

U.S. Navy Funds Mercury to Advance Chip-Scale Technologies

ANDOVER, Mass., July 10, 2024 (GLOBE NEWSWIRE) – Mercury Systems, Inc. (NASDAQ: MRCY, www.mrcy.com), a technology company that delivers mission-critical processing power to the edge, today announced an agreement with the U.S. Navy to advance sensor processing technologies that will allow radar and electronic warfare (EW) capabilities to be designed on much shorter timelines.

For decades, increasing system and software complexity has extended the timelines for developing and fielding military platforms. The Office of Naval Research's Open Rapid Chipletized Approach (ORCA) program aims to reduce the time needed to design edge processing solutions by increasing the modularity of components at the chip level. Under a \$13.2 million contract, Mercury will develop a next-generation RF System-in-Package (SiP) that integrates the latest commercial chips from major semiconductor providers within a smaller and lighter footprint.

This work will build on Mercury's [RFS1140](#) SiP, which integrates an AMD Versal FPGA, Jarjet Electra-MA high-speed data converters, and Micron memory for a truly advanced solution to support sensor processing.

"ORCA represents a significant evolution of the Mercury Processing Platform that will drive down radar and EW system development timelines, allowing next-generation capabilities to be fielded much faster," said Tony Trinh, Mercury's Senior Director of Advanced Packaging. "The ORCA approach opens up incredible opportunities to integrate mission-specific pre-processing chiplets to rapidly upgrade systems on a wide

variety of existing platforms and stay ahead of evolving threats.”

“Mercury is pioneering the way for on-shore advanced secure microelectronics integration and packaging capability with DMEA-certified full product lifecycle support, including concept, design, assembly, and test, to rapidly deliver application-tailored system solutions to the warfighter,” said Adam Miller, Office of Naval Research Program Officer.

Navy Accepts Delivery of Future USS John Basilone



By Team Ships Strategic Operations, July 8, 2024

BATH, Maine- The future USS John Basilone (DDG 122) was delivered to the U.S. Navy, July 8.

Delivery represents the official transfer of a ship from the

shipbuilder to the Navy. Prior to delivery, the ship conducted a series of at-sea and pier-side trials to demonstrate readiness.

The ship is named after United States Marine Corps Gunnery Sergeant John Basilone, who received the Medal of Honor for his extraordinary heroism during the Battle of Guadalcanal.

“The future USS John Basilone will bring significant capability to the fleet and strengthen our advantage at sea,” said Capt. Seth Miller, DDG 51 Class program manager, Program Executive Office (PEO), Ships. “DDG 122 and all of its Sailors will be a living reminder of the perseverance and sacrifice exhibited by its remarkable namesake.”

As a Flight IIA destroyer, DDG 122 will serve as a multi-mission surface combatant capable of conducting Anti-Air Warfare, Anti-Submarine Warfare and Anti-Surface Warfare.

General Dynamics Bath Iron Works has six additional future Arleigh Burke-class destroyers under construction, Harvey C. Barnum Jr. (DDG 124), Louis H. Wilson Jr. (DDG 126) Patrick Gallagher (DDG 127), William Charette (DDG 130), Quentin Walsh (DDG 132) and John E. Kilmer (DDG 134).

PEO Ships, one of the Department of Defense’s largest acquisition organizations, is responsible for executing the development and procurement of all destroyers, amphibious ships and craft, auxiliary ships, special mission ships, sealift ships and support ships.

Cruiser USS Vicksburg is Decommissioned



3 July 2024

NAVAL STATION NORFOLK – The crew of the guided-missile cruiser USS Vicksburg (CG 69) held a decommissioning ceremony on June 28, 2024.

Hundreds gathered to celebrate the ship's distinguished history of Naval service. Vicksburg's former Commanding Officer Capt. Chip Swicker, USN (Ret.), spoke of the powerful bond between Sailors and their ships and the lives shaped aboard. His words resonated with the audience as they bade farewell to the cruiser.

"These Sailors brought Vicksburg to life for 32 years under 17 commanding officers," said Swicker. "This ship was their schoolhouse, their training field, their home and their

powerful weapon as they stood fast between good people and bad things night and day, in good weather and bad, close to home and far over the horizon for more than three decades.”

Swicker added, “A ship is only as strong as her crew and Vicksburg has been an exceptionally lucky ship, the training ground for generations of exceptional Sailors led by commanding officers dedicated to the relentless pursuit of combat readiness.”

Vicksburg’s current Commanding Officer Cmdr. Christopher M. Stolle shared his admiration for the crew, both current and former, for their hard work, dedication and setting the standard over the years.

“To all former shipmates, you have been trailblazers in sensor integration, tactical development, the bolstering of regional partners, and prepping the battlefield to ensure that America’s Navy has a home field advantage anywhere in the world,” said Stolle. “Today we decommission Vicksburg, but the legacy of her crews will live on indefinitely. I am humbled to be a part of the final chapter and to join the prestigious ranks of Vicksburg Alumni.”

The ship was built at Ingalls Shipbuilding in Pascagoula, Miss., and commissioned during a ceremony held there November 14, 1992. The ship was named in commemoration of both the land Battle of Vicksburg fought during the American Civil War and the city of Vicksburg, Miss.

Inactivation is a normal part of a warship’s lifecycle. After decommissioning, the ship is slated to be towed to the Navy’s Inactive Ship’s facility in Philadelphia, Pa., where it will be in a Logistical Support Asset status.

Over its 32 years of service, the cruiser has been an important part of America’s national defense strategy.

Military Sealift Command Supporting Biennial Rim of the Pacific Exercise

3 July 2024

From Sarah Cannon, Military Sealift Command Pacific

Military Sealift Command will support the biennial Rim of the Pacific (RIMPAC) 2024 maritime exercise through out the month of July in Hawaii.

✘ MSC fleet replenishment oilers USNS Pecos (T-AO 197) and the MSC dry cargo/ammunition ship USNS Washington Chambers (T-AKE 11) will provide logistics services including aviation fuel, diesel ship fuel, dry, fresh and frozen food equipment and supplies to the ships participating in the exercise.

MSC chartered tanker ships MT Overseas Mykonos and MT Allied Pacific will provide fuel to the MSC combat logistics ships during replenishment-at-sea events. With the closing of the Navy's The Red Hill Bulk Fuel Storage Facility, the tanker replenishment events will allow the CLF ships to receive fuel at sea, enabling them to provide logistic services to exercise participants as needed, without delay.

MSC rescue and salvage ship USNS Grasp (T-ARS 51) will deliver two decommissioned Navy ships to the designated target area in preparation for sinking exercises (SINKEX); amphibious transport dock Ex-Dubuque (LPD 8) and amphibious assault ship Ex-Tarawa (LHA 1).

Five members of Military Sealift Command Pacific's (MSCPAC) Headquarters Unit are serving as watch standers, providing maritime logistics support to Commander, Task Group 173. These reservists, alongside will providing comprehensive planning and coordination for each replenishment-at-sea conducted during the exercise, including arranging and coordinating rendezvous locations and times for MSCs CLF ships and MSC chartered tankers. In addition, the Reservists will coordinate towing operations Grasp.

At sea, 24 members of MSC Cargo Afloat Rig Team (CART) will support at-sea logistics operations in support of the exercise, training and working hand-in-hand with the civil service mariner crews in order to meet the huge underway replenishment demands of keeping the ships of the 29 participating nations supplied and moving.

"MSC and our crews of highly professional civilian mariners are proud to be a part of RIMPAC 2024," said Leonard Bell, Deputy to the Commodore, Military Sealift Command Pacific. "This is a great opportunity for us to not only demonstrate our logistics capabilities, but to work and learn from our foreign Navy partners in an at-sea environment. In today's challenging environments, exercises such as RIMPAC allow us to foster goodwill and relationships with like-minded partners, ensuring safe seas for military and commercial sailing."

Hosted biennially by Commander, U.S. Pacific Fleet (PACFLT), and executed by Commander, U.S. 3rd Fleet (C3F), RIMPAC is a multinational maritime exercise that takes place in and around the Hawaiian Islands. This year marks the 29th iteration of RIMPAC, a series that began in 1971 and is scheduled to take place from June 26 to August 2. Approximately 29 nations, 40 surface ships, three submarines, 14 national land forces, over 150 aircraft and more than 25,000 personnel are scheduled to participate. This year's exercise will include units or personnel from Australia, Belgium, Brazil, Brunei, Canada,

Chile, Colombia, Denmark, Ecuador, France, Germany, India, Indonesia, Israel, Italy, Japan, Malaysia, Mexico, Netherlands, New Zealand, Peru, the Republic of Korea, the Republic of the Philippines, Singapore, Sri Lanka, Thailand, Tonga, the United Kingdom and the United States. RIMPAC is a unique training opportunity designed to foster and sustain the cooperative relationships that are critical to ensuring the safety of sea lanes and security on the world's oceans.

U.S. Central Command Update

From U.S. Central Command

July 7, 2024

TAMPA, Fla. - In the past 24 hours, U.S. Central Command (CENTCOM) forces successfully destroyed two Iranian-backed Houthi uncrewed aerial vehicles (UAVs) in Houthi-controlled areas of Yemen.

Additionally, partner forces successfully destroyed two Houthi UAVs over the Gulf of Aden. There were no injuries or damage reported by U.S., coalition, or merchant vessels.

It was determined these systems presented an imminent threat to U.S., coalition forces, and merchant vessels in the region. These actions were taken to protect freedom of navigation and make international waters safer and more secure for U.S., coalition, and merchant vessels.

July 4, 2024

TAMPA, Fla. – In the past 24 hours U.S. Central Command (USCENTCOM) forces successfully destroyed two Iranian-backed Houthi uncrewed surface vessels (USV) in the Red Sea and one

Houthi radar site in a Houthi-controlled area of Yemen.

It was determined the USVs and radar site presented an imminent threat to U.S. and coalition forces, and merchant vessels in the region. These actions were taken to protect freedom of navigation and make international waters safer and more secure.

July 3, 2024

TAMPA, Fla. – In the past 24 hours, U.S. Central Command forces successfully destroyed two Iranian-backed Houthi radar sites in Houthi controlled areas of Yemen and two uncrewed surface vessels (USV) in the Red Sea.

It was determined the radar sites and USVs presented imminent threats to U.S., coalition forces, and merchant vessels in the region. This action was taken to protect freedom of navigation and make international waters safer and more secure.

**USNS Burlington Departs for
Continuing Promise 2024
Deployment**



NAVAL STATION MAYPORT, Fla. (July 3, 2024) The USNS Burlington (T-EPF 10) departs Naval Station Mayport for Continuing Promise 2024 on July 3, 2024. Continuing Promise 2024 marks the 14th mission to the region since 2007 and the second aboard USNS Burlington. The mission will foster goodwill, strengthen existing partnerships with partner nations, and encourage the establishment of new partnerships among countries, non-government organizations, and international organizations. (U.S. Navy photo by Mass Communication Specialist 2nd Class Alexa Trafton)

[By USNAVSOUTH/4TH Fleet Public Affairs](#), 4 July 2024

MAYPORT, Fla. – The U.S. Navy Spearhead-class fast transport ship, USNS Burlington (T-EPF 10), departed from Naval Station Mayport for Latin America and the Caribbean in support of Continuing Promise 2024.

During this iteration of U.S. Naval Forces Southern Command/U.S. 4th Fleet's Continuing Promise mission, the 14th since 2007, Burlington will stop in Jamaica, Costa Rica, Honduras, Colombia, and Panama to share knowledge and provide

side-by-side professional expertise with international partners.

“One of the major benefits of being aboard the USNS Burlington for Continuing Promise 2024 is that this ship is incredibly versatile and has the ability to conduct a variety of mission types,” said Lt. Cmdr. Zachary Smith, mission commander for Continuing Promise 2024.

Christened in 2018, the USNS Burlington is the tenth Spearhead-class ship. It is also the first ship in service named to honor Burlington, Vermont, the state’s largest city. The ship has an off-load ramp for vehicles to move on and off the ship and a flight deck rated to be capable of receiving U.S. Navy helicopters. Operated by a crew of 22, it is capable of transporting over 300 personnel. Of the U.S. Navy personnel onboard, there are 18 unique enlisted job specialties and 10 unique officer specialties to support eight different mission areas.

“The better we can learn to work together during missions such as Continuing Promise the better we can work together as we respond to the real-world challenges that will inevitably come,” said Smith.

The first mission stop for Burlington will be Kingston, Jamaica. While there, embarked medical personnel will work with local medical practitioners to provide enhanced direct patient care, share knowledge and expertise, and strengthen partnership between the U.S. military and Jamaican civilian and military officials.

“It’s important to contribute to other countries... and help out any way we can,” said Hospital Corpsman 2nd Class Ricardo Maldonado, a dental technician from Navy Medical Readiness Training Command Portsmouth. While providing assistance to the dental officer onboard, he expects to put smiles on people’s

faces by providing them with the medical attention they need.

Pharmacists, optometrists, nurses, biomedical technicians, optometrists, dentists, and general practitioners will be among the 30 U.S. Navy medical professionals sharing their expertise and working with local patients.

Just as in past iterations of Continuing Promise, an integral part of the mission is the United Nations' (UN) Women, Peace, and Security (WPS) initiative. WPS is derived from a UN resolution signed in 2000 that recognizes women are disproportionately affected by crisis and conflict and aims to provide better support and protection to provide a safer environment in their communities.

“Continuing Promise 2024 will feature at least two multi-day seminars in each location discussing the prevention of gender-based violence, in addition to discussions with the military forces of each partner nation regarding women in the military as it relates to the initiative,” said Smith. “WPS is a cornerstone of the USSOUTHCOM and U.S. 4th Fleet mission because they believe that societies are more peaceful and prosperous when women and men have equal rights, liberties, dignities, and access to resources.”

These seminars are an important way to share knowledge on and provide tools to prevent gender-based violence and improve cooperation on stopping gender inequality.

Training Air Wing 2 Completes 1 Million Hours in T-45 Goshawk

By [Chief of Naval Air Training](#) Public Affairs, July 2, 2024



Captain Aaron Rybar, commander, Training Air Wing – 2, addresses the crowd during a commemorative ceremony onboard Naval Air Station Kingsville, July 2. *U.S. Navy | Ensign Alan Wang*

KINGSVILLE, Texas – Representatives from Boeing, Chief of Naval Air Training (CNATRA), Training Air Wing (TAW) 2, the city of Kingsville and more met onboard Naval Air Station Kingsville to commemorate one million hours cumulatively flown by the fleet of T-45 Goshawks assigned to TAW-2, July 2.

Three commemorative plaques were presented by Boeing to CNATRA, TAW-2 and the city of Kingsville during a short ceremony on the flightline. Capt. Aaron Rybar, Commander,

Training Air Wing – 2, received one of the commemorative plaques on behalf of the local training wing. Notably, the one-million-hour milestone does not include flight time for T-45 Goshawks assigned to TAW-1, located in Meridian, Mississippi.

“On May 1st, 1992, the first class of flight instructors from VT-21 assigned to fly [train] the next generation of Naval Aviators in the new T-45A Goshawk began their training in the T-45.” said Rybar. “On 26 February, 2024, 30 years and one month after the Navy went full operational capability [with the] T-45 aircraft, Lt. Cmdr. Thomas ‘Sock’ Cruz, from VT-22, operating aircraft 267, BuNo 165067, on a basic fighter maneuver [training] event, crossed over the one-millionth flight hour in the T-45 here at NAS Kingsville Texas.”

Rear Admiral Rich Brophy, Chief of Naval Air Training, commands all five naval air training wings and has led the Naval Air Training Command (NATRACOM) since July 2022. Brophy addressed the crowd after Rybar, discussing the importance of the T-45 in training Naval Aviators over the last three decades, said, “A strong national defense starts with how we project our power. From the United States Navy standpoint, we project power with carrier air wings. And our carrier air wings are trained right here in Kingsville. This is the heart, the heart of the United States Navy. And the number-one battering ram of the United States Navy is a carrier air wing,” Brophy said. “So, when you reflect on the million-hour mark, think about that for a second, that’s 114 years of continuous flying.”

The ceremony tied together a community of men and women that have supported T-45 operations in South Texas for over three decades. Mayor Sam Fugate was present to receive recognition for the one millionth hour on behalf of the city of Kingsville, which has supported generations of Naval Aviators since the base was founded in 1942 as an auxiliary air station.

“There’s nothing like feeling apart of the community, and this community does it to the Nth degree,” said Brophy. “So, thank you mayor, thank you Dick [Dick Messbarger, Executive Director at Kingsville], and thank you all that have leaned in to keep Kingsville operating and to support our Navy family.”

CNATRA’s mission is to train, mentor and deliver the highest quality Naval Aviators who prevail in competition, crisis, and conflict. Headquartered at NAS Corpus Christi, CNATRA comprises five training air wings in Florida, Mississippi and Texas, which are home to 17 training squadrons. In addition, CNATRA oversees the Navy Flight Demonstration Squadron the Blue Angels and the training curriculum for all fleet replacement squadrons.

USS Mason Returns to Mayport From Combat Deployment



USS Mason Returns to Mayport from Combat Deployment

[By ENS Emily Moore, USS Mason Public Affairs](#), July 2, 2024

NAVAL STATION MAYPORT, Fla. – Arleigh Burke-class guided-missile destroyer USS Mason (DDG 87) returned to Naval Station Mayport, July 2, 2024, after being deployed for more than eight months in the U.S. Naval Forces Central Command area of operations.

Mason was deployed for 263 days in the Red Sea, Gulf of Aden, and Mediterranean Sea, supporting freedom of navigation and the free flow of commerce.

While deployed, Mason faced unprecedented attacks from the Houthi terrorist group based out of Yemen.

“I am extremely proud of this battle tested and battle proven crew who achieved unparalleled accomplishments while deployed,” said Cmdr. Justin B. Smith, Mason’s commanding officer. “No matter the threat or challenge, they demonstrated an innate ability to sustain a high level of readiness for eight months by thinking on their feet and quickly reacting. As result of their abilities, they protected Mason’s crew and exceeded all mission tasking throughout deployment.”

While deployed, Mason intercepted multiple unmanned aerial vessels and anti-ship ballistic missiles targeting merchant vessels and coalition warships. In support of the freedom of navigation and worldwide commerce, Mason escorted and saved 26 merchant vessels as they transited through the Bab Al-Mandeb Strait.

On Nov. 26, 2023, Mason responded to a distress call in the Gulf of Aden where five suspected pirates overtook M/V Central Park. Once Mason arrived, the suspected pirates fled, and Mason’s Visit, Board, Search, and Seizure team took custody of the suspected pirates and freed the crew stuck in the ship’s citadel.

Continuing the global support of the free flow of commerce, the crew displayed proficient interoperability between coalition partners through Liaison Naval Officers, helicopter cross deck operations, ship maneuvering exercises, and coordinated engagements.

Mason was deployed as part of the Dwight D. Eisenhower (IKE) Carrier Strike Group (CSG). IKECSG operated in the U.S. 5th and 6th Fleet areas of operations to deepen strategic relationships with allies and partners, and to support maritime security and stability.

The strike group is commanded by CSG-2 and comprised of flagship Dwight D. Eisenhower, Carrier Air Wing (CVW) 3 with its nine squadrons, USS Philippine Sea (CG 58), and Destroyer Squadron (DESRON) 22 with its guided missile destroyers.

July 1 CENTCOM Update

From U.S. Central Command

July 1, 2024

TAMPA, Fla. – In the past 24 hours, U.S. Central Command forces successfully destroyed one Iranian-backed Houthi radar site in a Houthi controlled area of Yemen.

It was determined the radar site presented an imminent threat to U.S., coalition forces, and merchant vessels in the region. This action was taken to protect freedom of navigation and make international waters safer and more secure.

RIMPAC 2024 Kicks Off in Hawaii



Caption: Vice Adm. John Wade, Commander, U.S. 3rd Fleet and Exercise Rim of the Pacific (RIMPAC) 2024 Combined Task Force (CTF) Commander, center, and task force leadership take questions during the opening press conference for RIMPAC 2024 held at Joint Base Pearl Harbor-Hickam, Hawaii, June 27. (U.S. Navy Photo by MC2 Courtney Strahan)

28 June 2024

From Lt.Cmdr. Robert Reinheimer

HONOLULU, Hawaii - The opening ceremony and press conference kicked off the 29th edition of the biennial Rim of the Pacific (RIMPAC) exercise, the world's largest international maritime exercise, today.

Approximately 29 nations, 40 surface ships, three submarines, 14 national land forces, over 150 aircraft and more than 25,000 personnel will train and operate in and around the Hawaiian Islands during the exercise, which runs until Aug. 1. RIMPAC provides a unique training opportunity while fostering and sustaining cooperative relationships among participants critical to ensuring the safety of sea lanes and security on the world's oceans.

"The Rim of the Pacific exercise has grown over the years to be the world's largest and premier joint combined maritime training opportunity," said Vice Adm. John Wade, commander, U.S. 3rd Fleet and RIMPAC 2024 Combined Task Force (CTF) commander. "The exercise's purpose is to build relationships, to enhance interoperability and proficiency and, ultimately, contribute to the peace and stability in the vitally-important Indo-Pacific region."

The theme of RIMPAC 2024 is "Partners: Integrated and Prepared."

For the first time in RIMPAC history, a member of the Chilean Navy, Commodore Alberto Guerrero, will serve as deputy commander of the CTF. Japan Maritime Self-Defense Force Rear Adm. Kazushi Yokota will serve as the vice commander. Other key leaders of the multinational force will include Commodore Kristjan Monaghan of the Royal Canadian Navy, who will command the maritime component, and Air Commodore Louise DesJardins of the Royal Australian Air Force, who will command the air component.

This year's RIMPAC will host its largest humanitarian aid and disaster relief exercise with eight countries, five ships, five landing craft, five aircraft, multiple land forces, and over 2,500 total participants including the statewide Hawaii Healthcare Emergency Management exercise.

During RIMPAC, participating forces integrate and exercise a

wide range of capabilities, from disaster relief to maritime security operations, and from sea control to complex warfighting. The relevant, realistic preparation and training syllabus includes amphibious operations, gunnery, missile, anti-submarine, and air defense exercises, as well as military medicine, humanitarian assistance, disaster relief, counter-piracy, mine clearance operations, explosive ordnance disposal, and diving and salvage operations.

With inclusivity at its core, RIMPAC fosters multinational cooperation and trust, leverages interoperability, and achieves respective national objectives to strengthen integrated, prepared, coalition partners.

For more RIMPAC 2024 information and updates, visit <https://www.cpf.navy.mil/rimpac/>. Any additional questions or queries should be sent to rimpac.media@gmail.com.