

Three-Star Command Lands in Norway for Exercise Nordic Response 24



By II MEF Communication Strategy and Operations, Feb. 15. 2024

On February 12th, the vanguard of the U.S. Marine Corps, II Marine Expeditionary Force (MEF) command element arrived at Bardufoss Air Station, Norway, to participate in NATO's exercise Nordic Response 24. As the Land Component Command headquarters for the exercise, II MEF's command element will synchronize operations between the U.S. Marine Air-Ground Task Force, Norwegian Army units and a combined Swedish and Finnish Brigade under a NATO Joint Task Force.

We're looking forward to exercising with our Norwegian hosts, NATO allies and partners," remarked II MEF commanding general Lt. Gen. David A. Ottignon. "There's no place like the Nordic countries to sharpen our warfighting skills."

Nordic Response 24 is part of the much larger NATO exercise Steadfast Defender 2024, which is expected to involve approximately 90,000 troops across Europe. According to U.S. Army Gen. Christopher Cavoli, NATO's Supreme Allied Commander and U.S. Europe Command commander, the exercise "will demonstrate our unity, our strength, and our determination to protect each other."

II MEF's strategic deployment more than 6,500 kilometers from its home base in the United States demonstrates the reach and mobility of American forces available to defend NATO's northern flank, if called upon.

"Nothing is easy when you're operating in several feet of snow, at negative 40 degrees Fahrenheit, surrounded by 5,000-foot mountain peaks," Ottignon said. "But being a Marine isn't about doing what's easy. It's about being the best and being prepared for the challenges of the future. This exercise in this environment is designed to do just that by building on the grit, skills, and determination within every Marine so they can operate in any climate and place."

Around 2,500 U.S. Marines will join the exercise alongside NATO allies and Sweden. The goal is to strengthen coordination across air, ground, maritime and other domains into a unified fighting force ready to respond to any threat.

From January to March 2024, the U.S. Marines and their Norwegian counterparts will work hand-in-hand with NATO allies to hone tactics and procedures for winter warfare. Beyond tactical objectives, the exercise signals the steadfast solidarity allies share in defending collective security.

"Norway is special to us. Our countries have been working together for more than a century. II MEF has trained side-by-side, strengthening bonds and operating as one cohesive team in Norway during the last decade of Cold Response exercises," added Ottignon. "The Arctic is a fluid strategic place. It's

important for our allies to know that we're here today and we'll be here when needed to respond swiftly to any threat."

[B-roll](#), [imagery](#), and [news stories](#) of II MEF Marines preparing for exercise Nordic Response 24 can be found hyperlinked.

CENTCOM Intercepts Iranian Weapons Shipment Intended for Houthis



Military-grade weapons and other lethal supplies are stacked on the deck of a vessel seized by the U.S. Coast Guard Sentinel-class fast-response cutter USCGC Clarence Suthpin Jr. (WPC 1147) in the Arabian Sea, Jan. 28. Clarence Suthpin Jr. operates in the U.S. 5th Fleet area of operations to help ensure maritime security and stability in the Middle East region. **(Photo by U.S Coast Guard)**

By U.S. Central Command Public Affairs | February 15, 2024

TAMPA, Fla. – A U.S. Coast Guard cutter, forward deployed to the U.S. Central Command (CENTCOM) area of responsibility, seized advanced conventional weapons and other lethal aid originating in Iran and bound to Houthi-controlled areas of Yemen from a vessel in the Arabian Sea on Jan. 28.

The U.S. Coast Guard Sentinel-class fast-response cutter USCGC Clarence Sutphin Jr. (WPC 1147), assigned to U.S. Naval Forces Central Command, located the vessel and boarded it in the Arabian Sea. The boarding team discovered over 200 packages that contained medium-range ballistic missile components, explosives, unmanned underwater/surface vehicle (UUV/USV) components, military-grade communication and network equipment, anti-tank guided missile launcher assemblies, and other military components.

The direct or indirect supply, sale or transfer of such aid violates U.N. Security Council Resolution 2216 (as extended and renewed by resolutions 2675 and 2707).

“This is yet another example of Iran’s malign activity in the region, ” said Gen. Michael Erik Kurilla, CENTCOM commander. “Their continued supply of advanced conventional weapons to the Houthis is in direct violation of international law and continues to undermine the safety of international shipping and the free flow of commerce.”

CENTCOM is committed to working with our allies and partners to counter the flow of Iranian lethal aid in the region by all lawful means including U.S. and U.N. sanctions and through interdictions.

WEST 2024: Naval Special Warfare a Force Multiplier for Fleet, Prioritizing Reintegration with Joint Force



Rear Adm. Keith Davids, commander, Naval Special Warfare Command (NSWC), answers questions during the WEST 2024 convention held at the San Diego Convention Center. *U.S. Navy | Mass Communication Specialist 2nd Class Kyle Fiori*
[By MC1 Felicito Rustique, Naval Special Warfare Command Public Affairs](#)

SAN DIEGO – Rear Adm. Keith Davids, commander, Naval Special Warfare Command (NSWC), attended and participated in AFCEA-USNI WEST (WEST) 2024 conference, Feb. 13-15.

WEST, the premier naval conference and exposition on the West Coast, brings military and industry leaders together to discuss new technologies and capabilities. The theme of the 34th iteration of the event was, "Are Acquisition and Readiness on Pace to Meet Global Security Demands?"

Davids participated in a panel discussion alongside six leaders from sea service warfare communities to discuss acquisition and readiness and address the question, "What Changes are Community Leaders Making to Meet Global Security Demands?"

"Over the past two decades, the focus of Naval Special Warfare (NSW) has been primarily on counterterrorism," said Davids. "Now, we are prioritizing integration with the Fleet and Joint Force. We can operate forward in contested areas that enhances warfighting lethality in unique ways. "

Davids emphasized that conventional response methods have grown ineffective in addressing contemporary conflicts and diverse threats across the globe. To counter the instability and distinct challenges to U.S. warfare capabilities, Davids called on industry to support NSW's value proposition.

"We're interested in leveraging our maritime access and placement to deliver asymmetric effects for the Fleet. Therefore, we need industry's help to enhance our stealth, precision, scale, and decision advantage," said Davids. "We are eager to collaborate with many of you on new ideas and concepts."

Joining Davids on the panel was Rear Adm. Brad Andros, commander, Navy Expeditionary Command, Lt. Gen. Karsten Heckl, commanding general, Marine Corps Combat Development Command, Vice Adm. Brendan McLane, commander, Naval Surface Forces,

Vice Adm. Daniel Cheever, commander, Naval Air Forces and Elizabeth Nashold, deputy commander, Naval Information Forces. Retired Vice Adm. Peter H. Daly, former CEO and Publisher, U.S. Naval Institute, moderated the discussion.

AFCEA, which stands for the Armed Forces Communications & Electronics Association, and the U.S. Naval Institute (USNI), sponsor WEST each year. The conference is organized into a main program and three engagement theaters – Marine, General, and Information Warfare.

Along with exhibits, keynote speakers and panel discussions, WEST also gives attendees a chance to hear from the Secretary of the Navy, the Chief of Naval Operations, the Commandants of the Marine Corps and Coast Guard, the Sea Service Chiefs, and various industry leaders.

WEST 2024 also featured a Department of the Navy (DON) Information Technology (IT) conference, an Innovation Showcase, and awards announcements recognizing individual and group winners in categories such as Emerging Leaders, a USNI essay contest, and women's appreciation.

Naval Special Warfare is the nation's elite maritime special operations force, uniquely positioned to extend the Fleet's reach and gain and maintain access for the Joint Force in competition and conflict.

AeroVironment's Puma 3 AE Now

Offers Extended Endurance of up to 3 Hours



A new optional battery extends the range of AeroVironment's Puma 3 AE UAS. *AeroVironment*

ARLINGTON, Virginia – AeroVironment's PS2500 battery is now approved for use in the Puma 3 AE unmanned aircraft system (UAS). The optional PS2500 battery allows operators to achieve extended endurance of up to three hours of flight time. The increased endurance provides operators with greater mission flexibility and time on station across land and maritime operations.

"The new PS2500 battery offers both new and current Puma customers the opportunity to dramatically expand the duration of their operations, enabling more ground covered in a single flight," said Brad Truesdell, AeroVironment's vice president and general manager of small UAS (SUAS). "Adding longer endurance capabilities to Puma's existing flexible launch options and modularity makes it a truly unparalleled asset for various types of operations."

Puma customers can now choose between the standard smart

battery with two and a half hours of endurance, or the PS2500 battery with three hours of endurance. The high-energy-density lithium-ion PS2500 battery pack features an improved capacity of 24.5Ah (amp-hours) while retaining the size and form factor needed to be seamlessly integrated into Puma 3 AE's existing battery bay and is also interoperable with Puma LE as a Line Replaceable Unit (LRU).

U.S. 7th Fleet Holds Change of Command, Welcomes New Commander



By U.S. 7th Fleet Public Affairs, Feb. 15, 2024

YOKOSUKA, Japan – U.S. 7th Fleet held a change of command

ceremony Feb. 15 at the Fleet Activities Yokosuka Theater.

Vice Adm. Fred W. Kacher relieved Vice Adm. Karl O. Thomas as the 54th commander of the world's largest forward-deployed naval force, U.S. 7th Fleet.

"To the men and women of 7th Fleet, it has been my sincere honor to lead this forward deployed team as you demonstrated daily how professional navies operate to secure the maritime commons and uphold the rules based international order," said Thomas. "To my counterparts in our ally and partner nations throughout the region, your professionalism and friendship has been the greatest reward as we operated as one seamless team. I remain inspired by your commitment to maintaining a free and open Indo-Pacific."

Prior to commanding 7th Fleet, Thomas served as the assistant deputy chief of naval operations, plans, and strategy, a role Kacher also held. Thomas began his career as an E-2C Hawkeye aviator, and he commanded a carrier airborne early warning squadron, two aircraft carriers and the forward-deployed Carrier Strike Group in Japan. His follow-on assignment will be the deputy chief of naval operations for information warfare.

During the ceremony, Thomas emphasized the critical importance of his close relationships with fleet commander counterparts throughout the Indo-Pacific. Throughout his tenure, Thomas led numerous advanced dual-carrier operations, multilateral events, critical freedom of navigation operations, and Taiwan Straits transits, among other high-visibility exercises and operations with allies and partners from across the Indo-Pacific.

Vice Adm. Blake Converse, deputy commander, U.S. Pacific Fleet, spoke highly of Thomas's visionary leadership and the importance of the rules-based international order in the Indo-Pacific.

“Our national command authority continues to recognize that this is the most important and consequential theater that we operate our forces in,” said Converse. “As such, we have grave responsibilities to deter aggression, to protect the international rules-based order, and to ensure freedom of navigation.”

Kacher began his career as a surface warfare officer aboard cruisers and destroyers. He was the first commanding officer of the Arleigh Buke class guided-missile destroyer USS Stockdale (DDG 106), and went on to serve as the commodore of Destroyer Squadron Seven, commander of Expeditionary Strike Group Seven; executive officer to the Supreme Allied Commander, Europe, and Commander, U.S. European Command; and chief of staff to Commander, Naval Surface Force, U.S. Pacific Fleet. He most recently served as the acting Superintendent of the U.S. Naval Academy.

“I could not be more humbled to lead the U.S. 7th Fleet,” said Kacher. “I am honored to re-join our forward deployed men and women as we operate combat credible naval forces in one of the most complex maritime regions in the world, and I look forward to engaging with our allied and partner navies in our shared commitment to a free and open Indo-Pacific.”

U.S. 7th Fleet is the U.S. Navy’s largest forward-deployed numbered fleet and routinely interacts and operates with allies and partners in preserving a free and open Indo-Pacific region.

For more news from Commander, U.S. 7th Fleet, visit <https://www.c7f.navy.mil/>.

CNO Concludes Trip to West Coast for Industry and Sailor Engagements



14 February 2024

SAN DIEGO – Chief of Naval Operations Adm. Lisa Franchetti traveled to San Diego to speak at WEST 2024, meet with industry leaders, and engage with Sailors, Feb. 12-14.

Franchetti's visit to San Diego was anchored with WEST 2024, the premier naval conference and exposition on the West Coast, which brings military and industry leaders together – connecting platform builders and designers of technologies with the military and government officials that utilize them, where she delivered a keynote address and took questions from the audience.

During her remarks, the CNO emphasized her priorities for

America's Warfighting Navy and discussed how leaders at all levels need to think differently about how the Navy operates in uncertain, complex and rapidly changing environments. She expressed her pride in the Navy team, noting that no other Navy is capable of deploying and sustaining forces at such a global scale – from seabed to space, cyberspace and in the information environment. Looking to the future, she shared that the Navy is acting with purpose and urgency to leverage technological breakthroughs that are redefining conflict. She then highlighted her focus on expanding the reach, depth, and lethality of the Fleet through manned-unmanned teaming.

“We're building on the many successes with unmanned systems that you've read about in 4th Fleet, 5th Fleet, and 7th Fleet. These are real-world laboratories of learning.” said Franchetti. “I think unmanned and autonomous systems have an enormous potential to multiply our combat power by complementing our existing fleet of ships, submarines and aircraft.”

After the keynote address, Franchetti walked the exhibit floor room to see displays, watch demonstrations, and meet with industry leaders to discuss how the Navy can work with the defense industrial base to field the Navy of today and the future. Franchetti then visited General Dynamics NASSCO, the only full-service shipyard on the West Coast, where she was briefed on current and future programs, and heard how NASSCO is leveraging commercial design and finding innovative ways to construct ships in order to drive down cost and mitigate construction delays.

While at the shipyard, CNO toured the fleet replenishment oiler USNS Earl Warren (T-AO 207). The 746-foot Warren is one of the new John Lewis-class and has the ability to carry 162,000 barrels of diesel ship fuel and aviation fuel and dry stores cargo, which will bring increased capacity to sustain warfighters at sea.

Next, Franchetti visited the amphibious transport dock USS Anchorage (LPD 23). Anchorage entered the shipyard in July 2023, following a 7-month Western Pacific deployment, where the crew received the 2023 Maritime Excellence Award. Anchorage is currently undergoing a lifecycle maintenance availability to prepare the ship for future deployments through system upgrades and refurbishments.

Aboard Anchorage, Franchetti met with Sailors and recognized them for their achievements, received updates on the ship's first Drydocking Selected Restricted Availability, and was able to speak to the crew and NASSCO shipyard workers on the ship's Main Circuit.

"I can see by walking around and meeting some of your great teammates that you're getting after my priorities every day, and you're making sure our Navy puts more players on the field just like this exceptional warship," Franchetti said. "I couldn't be more proud of what the team has done in just six or so months, you've made incredible progress. From the installation of the new SPS-73 radar, to the repairs on the bulkhead and ballast tanks and everything in between, I am really impressed with what's been accomplished here."

CNO rounded out her visit with an all-hands call at Naval Base San Diego for more than 750 Sailors. During the all-hands call she highlighted her priorities, emphasized the need for a ready, combat-credible maritime force, and stressed the importance of the warfighter to the Navy's mission.

"It's about warfighting – delivering decisive combat power, and that's about warfighters," said Franchetti. "That's all of you right here in this room. Because we can have the best platforms in the world, but they don't go anywhere and they don't do anything without the people that operate them and make us the most powerful Navy in the world."

Franchetti concluded her trip to San Diego by visiting

multiple unaccompanied housing barracks at Naval Base San Diego and Naval Air Station North Island, in order to see firsthand the living conditions on base. She assured leadership and Sailors that she remains committed to providing the Navy's Sailors and civilians with a quality of service that meets or exceeds established standards.

"My priorities are warfighting, warfighters and the foundation that supports them. We can't do what we need to do every day, without our Sailors, active and reserve, without our Department of Navy civilians, and of course, without the families who support everything we do. So I am focused on quality of service, which is a combination of the quality of work and the quality of life," said Franchetti.

This was CNO's second trip to the West Coast since her confirmation.

USNS Mercy Returns to San Diego, Concluding Pacific Partnership 24-1



By Ensign Lacy Burkett

Feb. 13, 2024

SAN DIEGO – Pacific Partnership 24-1 personnel assigned to the hospital ship USNS Mercy (T-AH 19) returned home today as the ship pulled in to Naval Air Station North Island, concluding the four-month humanitarian and disaster relief mission.

More than 800 service members and civilian mariners returned to San Diego after participating in Pacific Partnership 24-1, the largest multinational humanitarian mission that takes place in the Indo-Pacific. Pacific Partnership, now in its 19th iteration, is an annual mission that focuses on strengthening capacity of host nations to respond to crisis and fostering enduring bonds of friendship and multinational cooperation through four lines of effort: medical, engineering, host nation outreach and humanitarian assistance and disaster relief (HADR). This year's mission's five stops included the Republic of the Marshall Islands, Solomon

Islands, the Republic of Palau and two states in the Federated States of Micronesia, Pohnpei and Chuuk.

“Our annual commitment to the Pacific Partnership mission demonstrates our dedication to strengthening alliances and partnerships for an enduring free and open Indo-Pacific,” said Rear Adm. Mark A. Melson, Commander, Task Force 73 and executive agent for this year’s mission. “I am tremendously proud of our team of Joint service members, allies and partners who supported the 2024 mission. There is more work to do. We will continue to work shoulder-to-shoulder every year alongside partner nations in Southeast Asia and the Pacific Islands, to ensure we’re ready together in times of crisis.”

Born out of the devastation of the 2004 Boxing Day Tsunami, Pacific Partnership is an enduring annual mission in the Indo-Pacific region. This year’s mission was joined by partner nations from Japan, United Kingdom, New Zealand, Germany and Australia.

“Pacific Partnership is a multinational effort which means that we work with partner nations who share our values, who share our commitment to these developing nations who host us, and who share our common goal of a free and open Indo-Pacific,” said Capt. Brian Quin, mission commander for Pacific Partnership 24-1. “We go because there’s a need. We go because we partner with like-minded nations and like-minded people, and we go because we are asked. ”

Pacific Partnership medical personnel alongside the host nation medical teams and partner nations performed over 410 surgeries both aboard USNS Mercy and at the local host nation hospitals. Additionally, the dental team saw 3,665 patients and the optometry team saw 7,025 patients. In addition to medical services, the team also provided continuing medical education.

“I think a big focus of this has been education,” said Cmdr. Matt Russell, medical planner for Pacific Partnership 24-1. “In addition to the continuing medical education lectures that our staff are giving, as well as our surgical colleagues, we have set up classes for basic life support, first aid for first responders, how to respond to trauma, and really all of these courses have been very well received and well attended.”

Seabees from Amphibious Construction Battalion One (ACB 1) also provided their construction expertise to repair schools, hospitals, roads and increase host nation capacity. In Palau, Seabees constructed a community chicken coop which will allow for the local population to decrease their dependency on imported food.

Host nation outreach events (HNOE) involved sports days and band concerts by the Pacific Partnership Band comprised of a detachment from the U.S. Pacific Fleet Band augmented by two Royal Australian Navy musicians for the entire mission and three Japan Self Defense Force band members during the Palau mission stop. During the five stops, the Pacific Partnership team participated in 41 HNOE events and 53 band concerts with a total attendance of 23,500.

Humanitarian relief and disaster response (HADR) efforts include working with host nations to increase capabilities for preparing for and responding to disasters and emergencies. During the four-month mission, U.S. Army Civil Engineers held boating safety classes, 21 subject matter expert courses and 4 search and rescue exercises.

For more information about Pacific Partnership and USNS Mercy, visit www.facebook.com/pacificpartnership, www.facebook.com/USNSMERCY, or <https://www.msc.usff.navy.mil/ships/mercy>

Coast Guard Cutter Tampa returns home after 77-day patrol in the Florida Straits



Feb. 13, 2024

PORTSMOUTH, Va. – U.S. Coast Guard Cutter Tampa (WMEC 902) and crew returned home Tuesday, following a 77-day maritime safety and security patrol in the Florida Straits.

Tampa deployed in support of Homeland Security Task Force – Southeast (HSTF-SE) and Operation Vigilant Sentry (OVS), patrolling within the Coast Guard Seventh District’s area of responsibility. While underway, Tampa’s crew performed as Commander Task Unit (CTU) for operations in and around the Florida Straits, coordinating with other Coast Guard units to detect, deter, and intercept unsafe and illegal maritime migration ventures bound for the United States.

While at sea, Tampa's crew interdicted one vessel with two Cuban migrants aboard, attempting to reach the U.S. through dangerous and unlawful channels. In total, Tampa's crew also contributed to the interdiction of 207 migrants throughout the patrol.

While deployed, the crew also celebrated the cutter's 40th birthday. Tampa commissioned on Dec. 12, 1982.

"CGC Tampa has gracefully completed a multitude of missions throughout her 40 years of service," said Cmdr. Walter Krolman, commanding officer of Tampa. "From mass migration rescues to participating in multi-nation military exercises and conducting counterdrug operations, Tampa continues to prove her motto, "Thy way is the sea, thy path in the great waters."

HSTF-SE serves as the DHS lead for operational and tactical planning, command and control, and as a standing organization to deter, mitigate and respond to maritime mass migration in the Caribbean Sea and the Florida Straits. HSTF-SE continues enhanced enforcement efforts in support of OVS, the 2004 DHS-developed plan to respond to irregular maritime migration in the Caribbean Sea and the Florida Straits.

Tampa is a 270-foot, Famous-class medium endurance cutter. The cutter's primary missions are counter-narcotics operations, migrant interdiction, living marine resources protection, and search and rescue in support of U.S. Coast Guard operations throughout the Western Hemisphere.

For information on how to join the U.S. Coast Guard, visit www.GoCoastGuard.com to learn more about active duty and reserve, officer and enlisted opportunities. Information on how to apply to the U.S. Coast Guard Academy can be found [here](#).

Viasat Announces First U.S. Navy Military Sealift Command Ship Installation



Company to Maintain and Operate Commercial Communications Infrastructure for 105 Ships Under Next Generation Wideband Follow-On Contract

February 13, 2024

CARLSBAD, Calif., February 13, 2024 – [Viasat, Inc.](#) (NASDAQ: VSAT), a global leader in satellite communications, today announced the completion of the first ship installation for the U.S. Navy Military Sealift Command (MSC) under the Next Generation Wideband (NGW) Follow-On (FO) 10-year Indefinite Delivery/Indefinite Quantity [contract awarded](#) to Inmarsat Government by the Defense Information Systems Agency (DISA) on June 30, 2022. Under the contract, the company maintains and

operates commercial communications infrastructure, which includes satellite systems, teleport services and terrestrial services. Inmarsat Government is now part of Viasat's government business following the company's acquisition of Inmarsat on May 30, 2023.

This first installation of 105 ships demonstrates the company's ability to deliver a robust, reliable global managed satellite communications (SATCOM) solution. The company upgraded the MSC ship's primary afloat network from Ku-band to the [Global Xpress \(GX\)](#) Ka-band system and ELERA [Enhanced L-band Maritime Antenna \(ELMA\)](#), a variant of the award-winning LAISR L-band solution to provide communications on the move via a small-size, high throughput terminal.

"As the premier maritime logistics provider for the U.S. Department of Defense, the Military Sealift Command plays a critical role in our nation's defense. Our ships must have resilient communications capabilities that deliver consistent performance and can be relied upon regardless of location or weather conditions." said Eliot J. Skinner, Deputy Command Information Officer. "These upgrades ensure that our Mariners can confidently operate anywhere in the world knowing they have a reliable, redundant communications network supporting them."

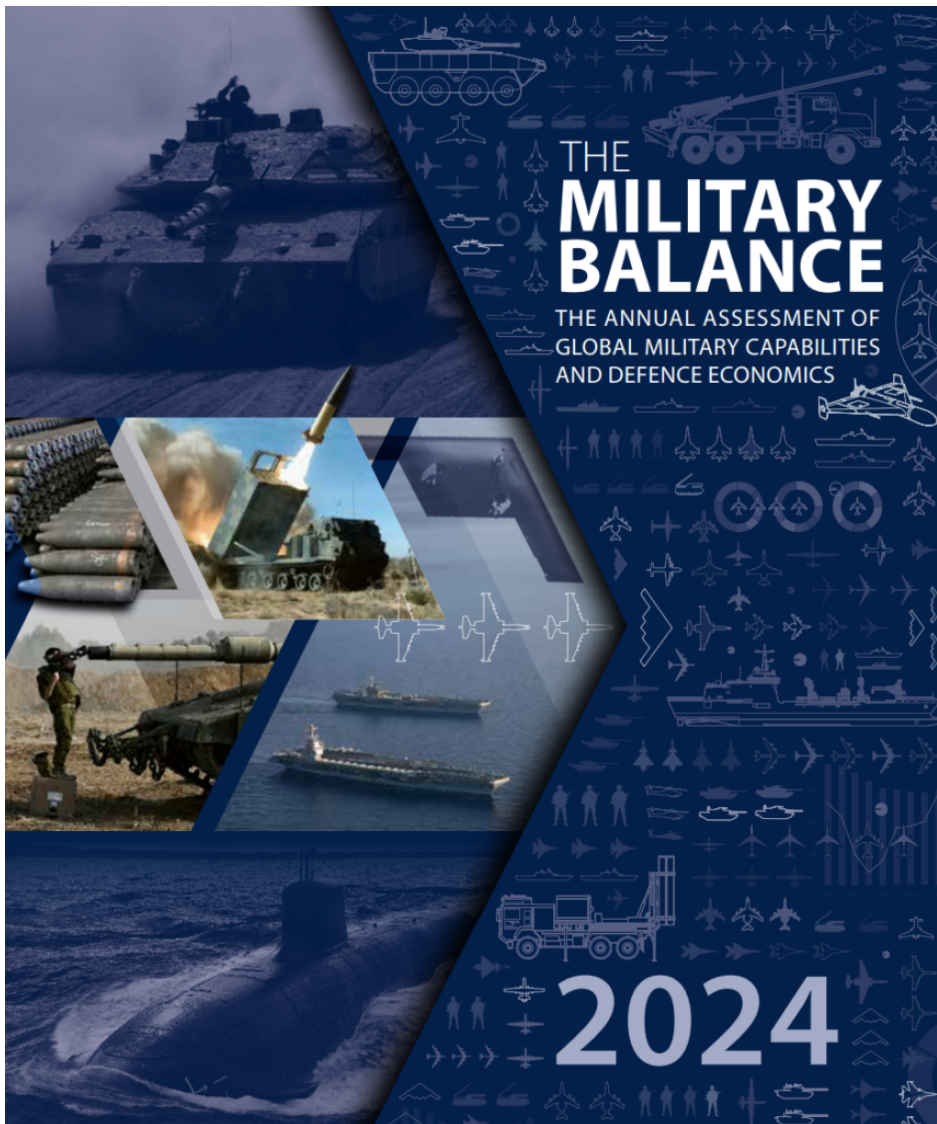
The hybrid solution of Ka- and L-band service ensures that the MSC ships have secure, resilient, worldwide communications capabilities, as well as a reliable global, on-demand backup network. This approach is designed to provide significant enhancements over legacy Ku-band by providing higher and scalable data rates on ships' primary and back-up systems, and uniform coverage across the GX and [ELERA](#) networks. Additionally, by delivering the primary and secondary SATCOM capabilities in a holistic, managed service model that includes satellites, ground networks and type-approved terminals – SATCOM as a Service – the company attains an optimal state of efficiency and functionality, while

delivering a superior user experience and saving government resources.

“We have reliably served the U.S. Navy Military Sealift Command for more than 10 years, and we are proud to continue supporting its operations around the world,” said Steve Gizinski, Managing Director, Viasat Government Services. “These upgrades provide the MSC fleet with significant enhancements in SATCOM capabilities, including expanded global coverage, improved reliability and resiliency, and the on-demand data rates that meet user needs.”

The MSC fleet benefits from an integrated, worldwide solution that delivers high throughput with RF (Radio Frequency) band and path diversity to ships at sea. All of the network aspects are designed as a single solution and for mobility, so users experience a reliable, on-demand continuous service.

IISS Military Balance 2024 Spotlights an Era of Global Insecurity



13 Feb. 2024

KEY FINDINGS:

- Russia has lost around as many tanks as it had in its active inventory when it launched the full-scale invasion of Ukraine in February 2022
- While Moscow has traded quality for quantity in its replenishment efforts, Ukraine, so far, has been able to offset equipment losses through Western donations, upgrading quality in the process
- Global defence spending grew by 9% to reach a record USD2.2 trillion, driven, in part by NATO member states boosting budgets in response to Russia's aggression against Ukraine. Non-US NATO members now spend 32% more on defence since

Russia's 2014 invasion of Crimea

- Iran's expanding influence on conflict areas manifested itself by the Houthis' use of Iranian-supplied anti-ship missiles and Russia's continued employment of Iranian-supplied UAVs

- China has demonstrated increased power-projection capacity, driving increased cooperation among Western and Asian militaries as a counterbalance

- Monitoring undersea critical national infrastructure is becoming a driver of maritime domain awareness efforts within national security establishments

The IISS Military Balance 2024 highlights the extent to which the world has entered a more dangerous period in the last twelve months, examining how increased tensions and conflict have reshaped the global defence-industrial landscape.

Our new data shows how countries are reshaping their equipment and spending plans and how their regional ties are changing in accordance with geopolitical reality.

The IISS Military Balance, now in its 65th year, shows the deteriorating security environment which is exemplified by a mounting number of conflicts, such as the Hamas–Israel war, Russia's continued aggression against Ukraine, Azerbaijan's takeover of the Nagorno-Karabakh region, coups in Niger and Gabon, as well as China's more assertive manoeuvres around Taiwan, in the South China Sea and elsewhere.

In Ukraine, Russian equipment losses continue on a large scale. Our analysts assess that its full-scale invasion has cost Russia more than 3,000 main battle tanks, roughly as many as the Kremlin had in its active inventory before February 2022. Russia has been drawing on stored equipment to replenish losses.

Ukraine, meanwhile, has relied heavily on Western equipment to maintain its inventory levels and help underpin its deep battle to strike targets beyond the frontlines. But Kyiv also continued to demonstrate its ingenuity in other ways, using Western and indigenously developed systems to put Russia's Black Sea Fleet on the back foot. It has also shown the utility of uninhabited maritime vehicles (UMV), giving the technology that other navies have been exploring a boost. The newest edition of *The IISS Military Balance* includes data on UMVs in country listings for the first time.


The combination of Russia's war on Ukraine and rising tensions between with China and Western countries have been principal drivers of military spending. Global defence spending is up 9% from the previous year and poised to rise further in 2024, based on already announced spending commitments.

This era of insecurity is also resetting the global defence-industrial landscape. The US and Europe are ramping up production of missiles and ammunition and while progress has been slow, those efforts promise to soon deliver a greater defence production capacity after decades of underinvestment. Russia's focus on equipping its armed forces is causing some long-term buyers of arms from Moscow to look elsewhere.

We reveal that non-US NATO countries now spend a combined 32% more than they did when Russia invaded Crimea in 2014, showing how Moscow's actions have driven a response in the West. But that spending is only fixing long-standing issues and there are suggestions that inflation remains a concern, with costs for some types of ammunition more than doubling. The West's basic inability to keep up with demand is being addressed, but gaps remain glaring.

While the West ramps up spending, so are China and Russia, which now dedicates more than 30% of government outlays to total military expenditure. The past year has also shown how some armed forces are reviving interest in equipment that had

been neglected, such as artillery and air defence, while also embracing new technology, such as hypersonic glide vehicles and cruise missiles, or direct attack munitions. Nuclear weapons are also very much back on the agenda, with China adding missile silos and the United States modernising warheads and delivery systems.

 [A copy of the IISS Military Balance 2024 can be downloaded here.](#) Please note that this link will expire at 00:00 GMT on Thursday February 26th.

Bastian Giegerich, Director-General and Chief Executive of the International Institute for Strategic Studies, said, “The IISS Military Balance is published at an important time when the rules-based order is being increasingly questioned. While Western defence spending is rising and plans to revamp equipment are ongoing, we reflect on the challenges including those set by Russia’s ongoing invasion of Ukraine, China’s military modernization and events in the Middle East. The IISS *Military Balance* remains an indispensable guide to defence capabilities and military data.”