

# Berger: Ukraine War Demonstrates Vulnerability of Tanks to Missile-Armed Infantry



U.S. Marines with 1st Battalion, 3d Marines, 3d Marine Division fire a Javelin shoulder-fired anti-tank missile while conducting squad attacks during Fuji Viper 22.3 at Combined Arms Training Center, Camp Fuji, Japan, Feb. 17. Javelins have proven to be effective against tanks in Ukraine and elsewhere.

*U.S. MARINE CORPS / Cpl. Juan Carpanzano*

WASHINGTON – The success of Ukrainian forces in countering Russian armored vehicle columns with missiles and rockets in the ongoing Russian invasion of Ukraine shows the vulnerability of tanks to missile-armed infantry, the Marine Corps commandant said, and seemed to reinforce his decision to shed tanks from the Corps as part of his Force Design 2030

concept.

During a live-streamed conversation with Washington Post columnist David Ignatius, Gen. David Berger said the Russian forces seemed to be ineffective in using a combined arms approach in that they were not using “maneuver to bolster your fires or using fires to set up your forces for maneuver. In both cases, one without the other ... is very ineffective.”

Berger also said Ukrainian forces seemed to be effective at causing confusion among Russian forces by stripping away Russian reconnaissance – which he said parenthetically that U.S. Marines “were very, very good at.”

The commandant also noted Russian forces seemed to have planned for a very short war and lost momentum with poor logistics planning. He said the Ukrainian forces seemed to be able to strike at the Russian “logistics backside.”

Berger noted that amphibious operations are very complex and the Russian forces seemed to unnecessarily delay their limited amphibious operations. He said amphibious operations remain very much the core mission of the Corps.

“Amphibious landings, amphibious assault, forcible entry – things which Marines are known for for 70 years – we’ll continue to do but in a very different way,” Berger said. “Why? Because the character of war is changing. We need to change with it.

“Instead of tank-on-tank formations, I would say if you look at Armenia and Azerbaijan, Lebanon, or even right now in Ukraine, it’s pretty clear the top-down missile attacks on the top side of heavy armor makes [tanks] pretty vulnerable,” he said.

The Javelin missiles supplied by the United States to Ukraine have a vertical attack mode.

“Tanks did tremendous work for us for many years in many different scenarios,” Berger said. “Going forward, they are heavier, too difficult to logistically support, and in some cases too vulnerable to attack from a proliferation of very inexpensive missiles.

“So, in some cases, we’ve let go of things that were very successful in the past in order to move towards things that we are going to need in the future,” he said. “The aviation/ground/logistics team – that’s the strength of the Marine Corps having it all organic – we are an enabler for the joint force. We’re the first ones on the scene to figure it out. We need the mobility to do that, which means we need amphibious ships, which [are] critical for the nation to have.

“You need to have the ability – I would say especially today in Ukraine – to have a crisis response force from the sea,” he said. “That means we need to have the number of amphibious ships necessary to global in the Pacific or the Mediterranean. For the U.S., that’s 31 amphibious ships we have to have in order to do what the nation needs us to do.”

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## **MH-60R Helicopters Approved by State Dept. for Spain**



Boatswain's Mate Seaman Armando Herrera, left, and Boatswain's Mate 3rd Class Clifford Turner remove chocks and chains from a MH-60R Seahawk helicopter aboard the Arleigh Burke-class guided-missile destroyer USS Roosevelt (DDG 80), March 13. *U.S. NAVY / Mass Communication Specialist 2nd Class Andrea Rumple*

WASHINGTON – The U.S. State Department has approved the possible Foreign Military Sale of MH-60R Seahawk helicopters along with support and related equipment to Spain, the Defense Security Cooperation Agency said March 15.

The DSCA said the total cost of the program would be approximately \$950 million. Approved was the possible sale of eight MH-60Rs, built by Lockheed Martin.

The sale also would include engines, avionics, data links and other communications systems, APS-153 radars, electronic countermeasures and support systems, Airborne Low-Frequency Sonars, rocket launchers, AGM-114R(N) Hellfire missiles, Advanced Precision Kill Weapon System rockets, GAU-21 machine guns, and sonobuoys, as well as a flight simulator, spare

parts, publications, training, engineering, logistics, ferry and technical support.

“The proposed sale will improve Spain’s capability to meet current and future threats. The MH-60R Multi-Mission Helicopter will provide the capability to perform anti-surface and anti-submarine warfare missions along with the ability to perform secondary missions including vertical replenishment, search and rescue, and communications relay and will bolster the Spanish navy’s ability to support NATO and remain interoperable with the U.S. and the NATO alliance,” the announcement said.

Spain currently operates SH-60F versions of the Seahawk.

Spain would become the eighth nation to procure the MH-60R. The MH-60R is in service with the U.S. Navy, Australian navy, Danish navy, Saudi navy, and Indian navy. Greece and the Republic of Korea also have ordered MH-60Rs.

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## **Carrier Aircraft Operate Over Yellow Sea in Response to North Korean ICBMs**





An F/A-18E Super Hornet, assigned to the “Tophatters” of Strike Fighter Squadron (VFA) 14, launches from the flight deck of the Nimitz-class aircraft carrier USS Abraham Lincoln (CVN 72) on March 15. *U.S. NAVY / Mass Communication Specialist 3rd Class Javier Reyes*

ARLINGTON, Va. – U.S. Navy and Marine Corps operated over the Yellow Sea off the west coast of North Korea in a demonstration in response to North Korean launches of intercontinental ballistic missiles.

USS Abraham Lincoln (CVN 72), deployed in the Western Pacific region, launched F-35C Lightning II and F/A-18 Super Hornet strike fighters assigned to Carrier Air Wing Nine into international airspace over the Yellow Sea, which was described as “a demonstration of our resolve and commitment to our regional allies,” in a March 15 release from U.S. 7th Fleet.

The flights were in response to the launch of two ICBMs by the Democratic People’s Republic of Korea on Feb. 27 and March 5, respectively.

The F-35Cs are assigned to Marine Fighter Attack Squadron 314, which have taken the Marine Corps' F-35Cs on their first deployment.

In addition, the U.S. Air Force aircraft based in the region also participated.

The U.S. Indo-Pacific Command has increased reconnaissance and surveillance collection efforts in the Yellow Sea, while U.S. forces in Korea have increased the posture of ballistic-missile defense in South Korea,

"The ICBM launches by DPRK are a brazen violation of multiple UN Security Council resolutions – as well as its international commitments – and pose a threat to regional neighbors and the international community," the release said.

"We have made clear our growing concern over the significant increase in DPRK's missile testing, and we will continue to take all necessary measures to ensure the security of the United States and our allies. We remain in close coordination with our allies and partners to address the threats posed by the DPRK. Our commitment to the defense of the Republic of Korea and Japan remains ironclad."

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## **Congress Orders Navy to 'Buy American' for Some Ship Components**



The new budget bill calls for the 11th and subsequent Constellation-class guided-missile frigates to have many of its components purchased from American companies. *U.S. NAVY*  
ARLINGTON, Va. – Buried deep in the text of the 2022 budget bill signed into law March 15 by the president are certain provisions to force the Navy to “buy American,” purchasing from U.S. companies many of the components and systems that will be installed on some new-construction ships for the U.S Navy and Military Sealift Command.

For the 11th Constellation-class guided-missile frigate and subsequent, the Navy is forbidden to award new contracts unless the following components are manufactured in the United States: air circuit breakers; gyrocompasses; electronic navigation chart systems; steering controls; pumps; propulsion and machinery control systems; totally enclosed lifeboats; auxiliary equipment pumps; shipboard cranes; auxiliary chill water systems; and propulsion propellers, provided that the Navy “shall incorporate United States-manufactured propulsion engines and propulsion reduction gears into the [frigate] program beginning not later than with the eleventh ship of the program.”

For the seventh and subsequent John Lewis-class fleet replenishment ships, for example, the Navy is forbidden to fund purchase of the following components unless they are



manufactured in the United States: auxiliary equipment (including pumps) for shipboard services; propulsion equipment (including engines, reduction gears, and propellers); shipboard cranes; spreaders for shipboard cranes; and anchor chains.

Similarly, for the T-ARC(X) cable-laying ship and T-AGOS(X) ocean surveillance ship programs, the Navy is forbidden to use funds for a new contract for “requirements development, performance specification development, concept design and development, ship configuration development, systems engineering, naval architecture, marine engineering, operations research analysis, industry studies, preliminary design, development of the Detailed Design and Construction Request for Proposals solicitation package, or related activities ... unless these contracts include specifications that all auxiliary equipment, including pumps and propulsion shafts, are manufactured in the United States.”

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## **Russian Navy Blockades Ukraine's Coast, Continues Missile Strikes**



The Ukrainian Slovyansk, formerly the U.S. Coast Guard Island-class cutter Cushing, was reportedly destroyed on March 3. *WIKIPEDIA*

ARLINGTON, Va. – The Russian Black Sea Fleet has set up a naval blockade of Ukrainian ports along the Black Sea, a United Kingdom defense official said, and is continuing fire support of the Russian invasion of Ukraine.

“The [U.K.] Ministry of Defence’s Defence Intelligence said Russian naval forces have established a distant blockade of Ukraine’s Black Sea coast, effectively isolating Ukraine from international maritime trade,” Air Vice-Marshal Mick Smeath, British defence attaché in Washington, said in a March 13 release.

While the Russian navy has taken a lesser role than its army counterparts in the invasion of Ukraine, it has taken part in offensive operations and amphibious warfare.

“Russian naval forces are also continuing to conduct missile strikes against targets throughout Ukraine,” Smeath said.

Some Russian navy warships are equipped with Kalibr cruise missiles.

Russian naval infantry – the equivalent of U.S. Marines – have landed ashore in Ukraine to participate in the campaign in southeastern Ukraine.

“Russia has already conducted one amphibious landing in the Sea of Azov and could look to conduct further such operations in the coming weeks,” Smeath said.

Ukraine’s main port on the Black Sea, Odesa, remains in Ukrainian hands.

Press reports have said that a Ukrainian patrol boat – the Slovyansk, formerly the U.S. Coast Guard Island-class cutter Cushing – was destroyed by a Russian aircraft on March 3.

A Russian patrol boat, the Vasily Bykov, reportedly was severely damaged and sunk on March 7 by rockets launched by a Ukrainian battery, according to press reports.

Some of the Russian ships in the region entered the Black Sea after a transit from Russia’s Baltic Sea and Northern Fleet. These included several amphibious warfare ships and missile-armed surface warships.

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## **Aquilino: Fuel Logistics to Be Dispersed in Wake of Red Hill Closure**



Secretary of the Navy Carlos Del Toro and General Counsel, Department of the Navy John P. "Sean" Coffey receive a brief on well operation and recovery initiatives from Capt. Burt Hornyak, commanding officer, Fleet Logistics Center Pearl Harbor during a tour of the Red Hill Well in Aiea, Hawaii, in February. *U.S. NAVY / Mass Communication Specialist 2nd Class Chelsea D. Meiller*

WASHINGTON – The commander of U.S. forces in the Indo-Pacific region addressed concerns from Congress about the impact of the closure of the Red Hill fuel depot in Hawaii during March 9 testimony on Capitol Hill.

Rep. Mike Rogers, ranking member of the House Armed Services Committee, said in his opening remarks that Navy Secretary Carlos Del Toro's decision to close Red Hill was made "without laying out the resources to replace that capacity. That's extremely short-sighted. The response from the department has been the same: the answer is just one policy announcement away. And that's unacceptable."

Rogers told Adm. John C. Aquilino, commander, U.S. Indo-

Pacific Command, that “he wanted to hear how Indo-Pacific Command will implement new operational concepts and new systems to ensure that logistics support at new operating locations throughout the Indo-Pacific.

“But most importantly, I want to know how you intend to do that in the next five years,” Rogers said. “We all know China is not going to give us 10 to 20 years to prepare for conflict. We simply cannot procrastinate any further. The issue like Red Hill presents an opportunity to modernize beyond the World War II logistics model. But I’m deeply worried about the cycle of indecision and procrastination at the Pentagon.”

Aquilino said that as senior leadership looked at options with regard to Red Hill, three criteria had to be met: clean water for the people of Hawaii, service members and their families; meeting the war plan and warfighting requirements; and cost.

“We developed a plan that actually goes in alignment with a more distributed plan – both forward- and land-based – combined with a sea-based component to allow for a more distributed, survivable, resilient network of fuels, as well as meeting all of the security and the strategic fuel reserve requirements,” the admiral said. “I actually think that we’re going to be in a better place, and we meet all three requirements.”

Aquilino said the Department of Defense, the Environmental Protection Agency and the Hawaii Department of Health are working together toward a solution.

“We will go as fast as safe allows,” he said. “We have to make sure the facility is safe, to transfer that fuel into places that we’re going to end it, but we’re certainly not waiting. As soon as we can get it done, we’ll be ready to move, and as soon as we’re able to contract some of those other facilities, as well as the sea-based option.”



The Defense Department had announced the Red Hill facility would be closed within the year.

“That just allows us to be able to distribute that fuel with the contract requirements, the sea-based requirements, and the need to put it in the correct spots,” Aquilino said.

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## Patrol Ship USS Tempest Decommissioned in Bahrain



Patrol coastal ship USS Tempest (PC 2) transits the Arabian Gulf, July 20, 2021. *U.S. ARMY / Spc. Joseph DeLuco*

ARLINGTON, Va. – The coastal patrol ship USS Tempest (PC 2) was decommissioned in ceremonies held March 7 at Naval Support Activity Bahrain after 29 years of service.

The Tempest, the oldest serving PC, is the third PC of the U.S. 5th Fleet to be decommissioned this year. Its retirement was preceded in February by USS Firebolt and USS Typhoon. Lt. Cmdr. Matthew J. Intoccia was Tempest's last commanding officer. Seven PCs remain in service in the 5th Fleet.

The 179-foot-long Tempest was built by Bollinger Shipyards in Lockport, Louisiana, and was commissioned Aug. 21, 1993. After serving off Haiti in 1994 in support of Operations Uphold Democracy and Restore Democracy. After 9/11, the Tempest patrolled the coast of the United States in support of Operation Noble Eagle.

With the Coast Guard needing more capacity for maritime security patrols, the Navy transferred five PCs to the Coast Guard, first in an "in commission, special" status, then decommissioned for full transfer to the Coast Guard. Tempest became WPC 2 on 1 October 2004. The ship was returned to the Navy on Aug. 22, 2008, and recommissioned into the Navy's fleet as PC 2 on Aug. 23, 2008. The Tempest had been assigned to the 5th Fleet since 2013.

In an interview published on the 5th Fleet website, Intoccia said the "capstone of my time on Tempest is undoubtedly our last patrol. I consider it a culmination of all the hard work and dedication over our past 18 months. Together, with our battle buddy USS Typhoon and our embarked U.S. Coast Guard team, we conducted multiple interdictions with a high seizure yield. In my opinion, we reached the apex of the ship's capability during that patrol, and I could not be more proud of my crew's performance.

"I hope Tempest is remembered as a capable bastion of our nation's commitment to free and unimpeded navigation in the maritime domain, and for her rich legacy of joint and multinational cooperation," he said. "Small in stature and crew but mighty in deed, Tempest has been operated by our country's best during 29 years of U.S. Navy service."

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# U.S. Naval Aviation No Stranger to Southeast Europe Operations



A German air force A400M tanker, left, and an F/A-18E Super Hornet, attached to the “Sunliners” of Strike Fighter Squadron (VFA) 81, fly over the north Aegean Sea March 4. *ELECTRONIC ATTACK SQUADRON 137*

ARLINGTON, Va. – The skies over southeast Europe are not normally associated with the history of U.S. naval aviation, but the current patrols being flown over the region by Navy aircraft from the aircraft carrier U.S. Harry S. Truman are just the latest of at least three operations conducted by U.S. naval aviation in the region since the end of the Cold War. The Russian invasion of Ukraine has triggered the latest

operations.

The USS Harry S. Truman carrier strike group, with Carrier Air Wing One (CVW-1) embarked in the carrier, is deployed to the Mediterranean, operating in support of NATO operations. The CSG has operated in the restrictive waters of the Adriatic Sea and the Aegean Sea on this deployment as well. The routine deployment also is showing the value of forward-deployed naval forces, available on short notice to respond to international crises.

“Conducting enhanced Air Policing from North Aegean waters further illustrates NATO’s continued ability to share and pool existing capabilities,” said Rear Adm. Curt Renshaw, commander, Carrier Strike Group Eight, in a March 7 release from the U.S. 6th Fleet. “We set out to prove that this dynamic employment of an aircraft carrier – in pretty restrictive waters – could be done, and in doing so, we have demonstrated the enduring U.S. commitment to Allies.”

U.S. carriers in the region provided air cover and close air support in the early-to-mid-1990s during Operations Deliberate Force and Deny Flight during the civil wars that broke out as Yugoslavia splintered eventually into seven separate nations.

In 1999, during Operation Allied Force, U.S. carriers in the Adriatic Sea launched strikes into Serbia and Kosovo to protect the Kosovars from Serbian action. Navy P-3C Orion patrol aircraft also launched Standoff Land-Attack Missiles against Serbian targets. Navy and Marine Corps EA-6B and F/A-18 aircraft operated from bases in Italy as well.

In recent years, Navy P-3, P-8, and EP-3 maritime patrol reconnaissance aircraft expanded patrols over the Black Sea region.

This week, CVW-1 aircraft, including F/A-18E/F Super Hornet strike fighters and EA-18G Growler electronic attack aircraft, have flown patrols in the region to defend NATO nations’

airspace as part of the NATO Response Force. The squadrons conducting the patrols include strike fighter squadrons VFA-11, VFA-34, VFA-81 and VFA-211 as well as electronic attack squadron VAQ-137.

In recent weeks, CVW-1's squadrons also have flown in training exercises with the Romanian and Italian air forces.

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## **Marine Crew Ejects from F/A-18D Before Crash on Plantation**



An F/A-18D Hornet from Marine All-Weather Fighter Attack



Squadron (VMFA) 533 conducts air operations and maritime surface warfare training with the guided-missile cruiser USS Monterey (CG 61), not pictured, in 2016. *U.S. NAVY / Mass Communication Specialist 2nd Class William Jenkins*

ARLINGTON, Va. – A Marine Corps F/A-18D Hornet strike fighter crashed shortly near Beaufort, South Carolina on March 3, according to the 2<sup>nd</sup> Marine Aircraft Wing.

The two Marines in the crew ejected safely and incurred no injuries, the Wing said in a release, which said the crash occurred approximately 3:15 p.m.

“The aircraft crashed in an unpopulated area near Marine Corps Air Station Beaufort, South Carolina, and there was no damage to civilian property,” the Wing said.

According to television station WJCL, the Hornet crashed on the Coosaw Plantation owned by former South Carolina governor Mark Sanford.

The Hornet, assigned to the Hawks of Marine All-Weather Fighter Attack Squadron 533 (VMFA(AW)-533), a unit of Marine Aircraft Group 31. The squadron is one of four Hornet squadrons based at MCAS Beaufort.

The cause of the mishap will be investigated.

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**VCN0: Retention Strong;  
Recruiting Difficult; Surface  
Fleet Manning Improving**



Adm. William Lescher, vice chief of naval operations, speaks to Naval Aviators at the 2021 Naval Helicopter Association Symposium. *U.S. NAVY / Mass Communication Specialist 2nd Class Chelsea D. Meiller*

ARLINGTON, Va. – Retention of Sailors in the fleet is going well but the demographics trend for recruiting is getting tougher, said the vice chief of naval operations, who also explained the efforts to reduce the shortage of Sailors on the Navy's surface ships.

"We're very focused on retention, and it's strong right now," said VCNO, Adm. William K. Lescher, testifying March 3 before a joint hearing of the Seapower and Projection Forces subcommittee and Readiness subcommittee of the House Armed Services Committee. "It's at a very strong level.

"Part of the reason we're focusing on it is because recruiting is becoming increasingly difficult for all the services and even more broadly," Lescher said. "The last data I [saw] showed that that portion of the U.S. population that's

eligible to serve, their propensity to serve from 2018 was 13% and to 2021 is now 10%. All of the service recruiters are seeing symptoms of the 'great resignation' and/or a labor market that is so tough that at our new-construction shipyards, our repair shipyards, our aviation depots, all are struggling to bring in – we're all competing for – the same talented group. So, we're laser-focused on that."

During the hearing, Rep. Sara Jacobs (D-California) cited a Government Accountability Office report that found the surface fleet is 15% undermanned compared with required levels, since under-manning was part of the reason for the 2017 collisions involving the destroyers USS Fitzgerald and USS John McCain.

In response, Lescher pointed out the Navy has increased its end-strength by 23,000 personnel since those incidents and is "getting very much after it [the under-manning]. Part of the reason that it remains under-manned is because we have been adding billets as well. ... As we add billets to address the overwork issue and make sure the crew is sized for everything that is expected of it, we're then chasing that with our accessions. So, we're closing the gaps across the Navy."

The VCNO said "the other element is strong certification and focus on the manning that we deploy our ships with. The remaining work we have to get after with a strong sense of urgency is across the full OFRP [Optimized Fleet Readiness Plan] cycle as well."

Also testifying was Vice Adm. Roy Kitchener, commander, Naval Surface Forces, who spoke on the use of data for the last year in a program involving tracking expertise and proficiency in six shipboard rates, or Sailor job specialties, in engineering and combat systems.

"We track each individual and what their proficiency and experience are, and then we are able to put them where we think we need them," Kitchener said. "For example, if a ship

is down in a number of years of experience in an engineering work center or an Aegis fire control system, we can actually make sure we send the right person there that increases the proficiency. It's a much better measure of fit. ... Right now, it's part of the manning process. We're using it extensively to fill those gaps at sea ... making sure that we have the right people to go there."

Kitchener said the results to date are "very encouraging" and "it's a metric that we're going to continue to go after to allow us to make sure we have that manning right on the ship."