

MS DAILY BRIEF - 2 September 2022

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Russia challenges the UK and sends three naval vessels to British territorial waters



The Slava-class cruiser Marshal Ustinov, the Udaloy-class destroyer Vice Admiral Kulakov and a logistics replenishment ship Vyazma are to pass through British territorial waters via the North Channel (the Strait between Britain and Ireland), according to military analyst HI Sutton. The ships are currently approaching the Irish Sea.

A British ship, HMS Lancaster, a Type 23 frigate of the Royal Navy's Duke class, also known as the "Queen's Frigate", is monitoring and escorting the Russian ships.

Sutton believes that the heavily armed Russian ships will sail past the British naval base Faslane, home of the Royal Navy's submarines.

The cruiser Ustinov has been on a six-month mission in the Mediterranean Sea, from where it has supported the Russian offensive in Ukraine, tracking naval groups made up of submarines from NATO countries (US, Italy and France). The Ustinov is part of the Northern Fleet, sister ship to the cruiser Moskva, sunk by the Ukrainians on 14 April.

HI Sutton believes that the route chosen by the Russian sailors is one that challenges the UK and NATO and is little used by Russian ships.

Source: <https://monitorulapararii.ro/rusia-provoaca-regatul-unit-si-trimite-trei-nave-militare-in-apele-teritoriale-britanice-1-45308>

New tugboat "Captain Nayden" is included in the Russian Black Sea Fleet

In occupied Sevastopol, a new tug "Captain Nayden" has been included in the detachment of ships to support the auxiliary fleet of the Black Sea Fleet of the Russian Federation. This was reported by the press service of the Black Sea Fleet of the Russian Federation, writes the Novy Sevastopol publication. "The sea tug "Kapitan Nayden" was built for a detachment of support vessels of the Black Sea Fleet, it is the third vessel of the project 23470. It is intended for maritime towing of ships, objects and floating structures in ice and clear water, escorting ships. and ships in the waters of seaports and performing escort operations at sea. Due to the presence of specialised equipment on board, it can carry out fire-fighting operations of various types on surface installations," the message states. The vessel's displacement is 3200 tonnes. Length - 69.75 m, width - 15 m, draught - 5.2 m. Maximum speed - 14 knots. Range - 3000 miles at 14 knots. Propulsion: diesel-electric, three diesel generators of 2850 kW each, two propellers. Carrying capacity - 200 tonnes. Previously, it was reported that the Black Sea fleet is expecting the arrival of 12 new vessels this year.

Source: <https://www.blackseanews.net/read/193789>

Russian frigate commander to stand trial for treason against Ukraine

The preliminary investigation has been completed and the indictment against the commander of the Russian ship "Admiral Makarov" Grigory Breev, who is charged with treason (part 1 of Article 111 of the Criminal Code of Ukraine), has been submitted to the court. . This was reported by the press service of the State Bureau of Investigation, Dumska writes. Hryhoriy Breev was born in the Vinnytsia region. In 2014, a former Ukrainian officer betrayed his oath, refused to perform military service duties in the Armed Forces of Ukraine and switched to the side of the enemy. He later served in the Russian Armed Forces as commander of the frigate Admiral Makarov. Since February 2022, the ship has been participating in Russia's armed aggression against Ukraine and attacking Ukrainian cities with cruise missiles, including Odessa and Mykolaiv. Breev faces up to 15 years in prison.

Source: <https://www.blackseanews.net/read/193782>

FSB arrested its own "chief" of the port of Mariupol

Russia's FSB has arrested Pavlo Shvatskyi, the Mariupol port "chief" appointed by Russian invaders in May. This was reported by Petro Andryushchenko, advisor to the mayor of Mariupol, writes the Porta Ukrayny publication. "The FSB has arrested the "head" of Mariupol port from the occupiers, Pavlo Shvatskyi. Despite the fact that he is a citizen of Russia and was posted to Mariupol at the beginning of the occupation. Arrested for embezzling the Russian budget and failure to launch the port," Andryushchenko wrote in Telegram. According to his information, the denunciation, on the basis of which Shvatsky was arrested, came from the team of the head of the occupation "administration" in Mariupol, Kostiantyn Ivashchenko. The former general director of the port of Rostov SA Pavlo Shvatskyi was appointed "head" of the port of Mariupol immediately after the occupation of Mariupol by Russian troops in May. In August, the occupying "leaders" of the Donetsk region once again postponed the opening of the port of Mariupol because of the inability to fully ensure the functioning of the enterprise. At the end of June, the occupying "administration" of Mariupol, appointed by the Russian invaders, intensified the cleaning of the water area and the main seaway in the Mariupol port with the help of a floating crane to launch it for the pick-up of stolen goods and the import of military equipment. According to "Metinvest" Group, which is the owner of Mariupol MMK metallurgical plants named after Ilyich and Azovstal, on the first day of the war, more than 234 thousand tons of metal products produced at both enterprises worth about \$148 million remained in Mariupol port.

The company managed to trace at least 2.5 thousand tons transported from occupied Ukraine. Mariupol to Russia's Rostov-on-Don for resale. It will be recalled that at the beginning of May, the Ministry of Infrastructure of Ukraine issued an order to close the seaports of Berdyansk, Mariupol, Skadovsk and Herson, which are located in the Russian-occupied Zaporizhzhia, Donetsk and Herson. regions, until control over them is restored.

Source: <https://www.blackseanews.net/read/193781>

Sweden increases investment in ship and submarine field measurement areas

The Swedish Saab Group has received an order from the Swedish Defence Materiel Administration (FMV) to modify two existing naval underwater signaling areas. The order, valued at USD 12 million, is a follow-on order to a contract signed in 2020 and the project will continue until 2026. In the naval area, these areas are intended for the measurement and verification of underwater signatures by ships and submarines. Today's advanced sensors make it increasingly difficult to remain undetected. A low signature reduces the risk of being detected by enemy weapons and reconnaissance systems. FMV signed an agreement with Saab in February 2021 to develop underwater signature ranges. The project included, among other things, the development of measurement systems and its IT environment, as well as the creation of a reference system. The agreement contains a number of options for modifying a number of stations, some of which have now been initiated. "With new equipment, the lifetime of the signature measuring stations increases significantly. It provides increased signature measurement capacity and will facilitate future upgrades of the systems hosted in the stations," comments Andreas Mollberg, project manager at FMV. "We continue to strengthen Sweden's defence capabilities. This time through our world-leading underwater technology, which will ensure that the Swedish Navy can optimise its underwater signatures," says Niclas Kolmodin, head of Saab's Underwater Systems business unit. Production will take place in Sweden and mainly in Linköping.

Source: <https://www.navalnews.com/naval-news/2022/09/sweden-increases-investment-in-underwater-signature-ranges/>

New advanced submarine will increase Turkish Navy's firepower

Submarines are a key part of Turkey's growing naval power. Especially in the Black Sea, where NATO allies have no submarines. The new MILDEN-class submarines promise to further expand the Navy's capabilities. Turkey's arms industry has become prominent in recent years. Armed drones, such as the Bayraktar TB2, have grabbed headlines in Ukraine and placed orders around the world. Warships, missiles, guns and tanks are also noteworthy. This rapid growth extends into the silent world of submarines. Turkey's first indigenous submarine, MILDEN, is taking shape. It will be larger and more capable than the country's current German-designed craft. A new model of the submarine, unveiled by the shipbuilder, provides valuable insight into its current design. The model was unveiled by Golcuk Naval Shipyard, which builds Turkey's submarines. Starting in 2025, they will build 6 MILDEN (Milli Denizaltı: Milli Denizaltı: National Submarine). Based on the licensed production of German-designed boats, Golcuk Naval Shipyard has a strong foundation in submarine technology. The yard is currently building 6 Type-214TN submarines, known locally as the Reis Class, for the Turkish Navy. These incorporate significant locally produced systems. And they are tracking about 11 Type 209 submarines from 1981 to 2008. Externally, the submarine has some hints of Type-214 influence, particularly at the stern. But it has a distinct streamlined bow that resembles Japan's most recent submarines. The sail is narrower and the hull more angled. The new submarine will be significantly larger than the Type-214.

Displacement will be about 2,700 tons, compared to 1,860 tons for the 214. The length will be two times longer, increasing from 65 metres (213 ft) to over 80 metres (262 ft). Key capabilities of the new submarine Tayfun Ozberk, a defence analyst and Turkish navy veteran, says the main reason for the increased size will be the armament. "It's about increased firepower. Although there is no official statement about the weapons payload, many analysts believe it will be capable of carrying and firing GEZGIN strategic land attack missiles. The GEZGIN is an indigenous weapon roughly analogous to the US Navy's Tomahawk and the Russian Kalibr. In its submarine form, it is expected to be encapsulated so that it can be fired from the submarine's torpedo tubes. The capsule will then rise to the surface and launch the missile. Another Turkish missile Ozberk suggests could be embedded is the Atmaca anti-ship cruise missile. This new weapon is beginning to replace the venerable Harpoon aboard Turkish Navy warships. An encapsulated version may be developed to replace the Sub-Harpoon aboard Turkish submarines. Turkey is also developing its own heavy torpedo, the AKYA. Being larger and carrying more types of weapons, it is expected to carry even more weapons. Type-214 can carry a maximum of 16 torpedo-sized weapons, MILDEN will certainly carry more. Like the Type-214, the MILDEN will have an AIP (air independent power). However, it is not clear what form this will take. The AIP allows the submarine to operate submerged for longer without having to snorkel to recharge the batteries. Ozberk points out that with six Reis-class submarines and six MILDENs, Turkey will have 12 AIP submarines in the second half of the 2030s. AIP is one of the few technologies that Turkey seems to be importing rather than trying to develop locally. Another may be the masts. However, the sonar, combat system and decoys are likely indigenous. The flank array sonars are notable for being much longer than on the Type-214. However, a few other details are available. Overall, the current iteration of the MILDEN design seems a sensible design. It balances Turkey's desire to increase local industrial and technological capabilities with a design that is not overly ambitious. MILDEN promises to take Turkish shipbuilding to the next level, joining the elite few who can design and build submarines.

Source: <https://www.navalnews.com/naval-news/2022/09/new-advanced-submarine-will-increase-turkish-navy-s-firepower/>

US Navy begins construction of first Constellation Class 1 frigate

U.S. Navy begins construction of Constellation Class 1 frigate Fincantieri Marinette Marine officially began construction of the first Constellation Class frigate for the U.S. Navy on August 31, 2022, at its Marinette, Wisconsin facility. Naval News Staff 01 September 2022

NAVSEA Press Release

The first Constellation-class guided-missile frigate, a multi-mission, high survivability warship, will begin construction Aug. 31 at Fincantieri Marinette Marine's shipyard in Marinette, Wisconsin.

The start of construction follows a detailed Navy assessment of design maturity and preparation of the shipyard to begin construction through a successful Production Readiness Review (PRR) on July 20. The future USS Constellation (FFG 62) is the lead ship of the Navy's newest class of warships. The Constellation-class frigates are a key component of the recently released Chief of Naval Operations Plan (NAVPLAN) 2022, which envisions a future hybrid fleet of 350 manned and approximately 150 unmanned ships. The US Navy begins construction of the Constellation Class 1 frigate. The Constellation Class frigate "will be capable of defending the fleet, striking adversary forces in all domains, and expanding interoperability with allies and partners," according to NAVPLAN. "Our team has worked tirelessly with industry partners to develop an innovative acquisition approach to efficiently

procure and produce a 21st century frigate. The start of construction of Constellation marks a key milestone on our path to build and deliver this new capability to the fleet." The new frigates are designed to operate in both open ocean and littoral environments as part of a carrier or expeditionary strike group or surface task group. The ships will be equipped with proven technologies and systems already in use today, which will accelerate the timeline to bring this new capability to the fleet. "The Frigate program has worked diligently to minimize risk by selecting undeveloped systems and a proven program of record equipment to meet our requirements and by conducting this rigorous PRR."

The ships will assist the fleet by executing a range of missions, including anti-submarine warfare (ASW), surface warfare, electromagnetic warfare/information operations (EW/IO) and air warfare. "I'm proud of the government acquisition professionals and industry teammates for all their hard work to bring the Constellation program to this milestone as we move from design development to ship construction," Smith said. "Building a first-class warship is an exciting time."

Source : <https://www.navalnews.com/naval-news/2022/09/us-navy-commences-construction-of-1st-constellation-class-frigate/>

Royal Navy commissioned 5th Astute-class submarine "HMS Anson"

The Royal Navy has commissioned its 5th Astute-class nuclear-powered hunter-killer submarine, HMS Anson, with a ceremony held at Barrow on 31 August 2022.

Source and Continued: <https://www.navalnews.com/naval-news/2022/08/royal-navy-commissions-5th-astute-class-submarine-hms-anson/>

Leonardo DRS delivers electric propulsion equipment for first Columbia submarine

Leonardo DRS has announced that it has completed factory acceptance testing and delivery of the first production unit of the main propulsion engine for the US Navy's new COLUMBIA class.

Source and Continued: <https://www.navalnews.com/naval-news/2022/08/leonardo-drs-delivers-electric-propulsion-equipment-for-1st-columbia-submarine/>