

		Sicherheitspolitik Schweiz und Air2030
sog.ch Oberst D. Knill Präsident 02.11.2022	Zusammenlegung von Zivildienst (ZD) und Zivilschutz (ZS): Die Schweizerische Offiziersgesellschaft (SOG) nimmt sie erfreut zur Kenntnis.	Die Schweizerische Offiziersgesellschaft setzt sich für eine starke und glaubwürdige Milizarmee ein. Sie verlangt von der Politik, dass die Sicherheitsinstrumente Armee und Zivilschutz prioritär und ausreichend alimentiert werden. Sie nimmt mit grosser Zufriedenheit zur Kenntnis, dass die Sicherheitspolitische Kommission des Nationalrats (SiK-N), nach ihrer Sitzung vom 2. November 2022, die Zusammenlegung des Zivildienstes (ZD) mit dem Zivilschutz (ZS) rasch möglichst umsetzen will. <i>(Vollständige Medienmitteilung abrufbar unter: https://sog.ch/2022/11/sog-medienmitteilung-zusammenlegung-von-zivildienst-zd-und-zivilschutz-zs-die-schweizerische-offiziersgesellschaft-sog-nimmt-sie-erfreut-zur-kenntnis/#respond)</i>
admin.ch 01.11.2022	Gespräche über verstärkte Zusammenarbeit mit der Europäischen Verteidigungsagentur	Vom 2. bis 4. November besucht Jiří Šedivý, Chief Executive der Europäischen Verteidigungsagentur (EVA), den Schweizer Rüstungschef Martin Sonderegger und tauscht sich mit weiteren Vertreterinnen und Vertretern von Sicherheitspolitik und Industrie aus. Dabei geht es auch um die Möglichkeiten, die internationale Kooperation zu stärken, insbesondere in der Streitkräfteentwicklung, der militärischen Flugausbildung und im Bereich Forschung und Innovation. <i>(Vollständige Medienmitteilung abrufbar unter: https://www.admin.ch/gov/de/start/dokumentation/medienmitteilungen.msg-id-91057.html)</i>
sog.ch Oberst D. Knill Präsident ASMZ 11/2022	Alle wollen wir Frieden, aber welchen?	Wenn es stimmt, dass es mehr Wahrnehmungen gibt, als Wahrheiten, und dass der Umgang mit der Wahrheit ein erstes Kriegsoffer sein soll, dann trifft beides auf den Krieg in der Ukraine zu. Nicht umsonst sprach Carl von Clausewitz vom Nebel des Krieges. Das sich dieser bald lichtet, ist kurzfristig unwahrscheinlich, es sei denn, der Krieg wird reif für einen Verhandlungsfrieden. <i>(Vollständiger Kommentar abrufbar unter: https://sog.ch/2022/10/alle-wollen-wir-frieden-aber-welchen/)</i>
ar.admin.ch 28.10.2022	Wie können künftige Radarsysteme aufgeklärt werden?	Elektromagnetische Emissionen eines Radarsystems können von Drittparteien zur Aufklärung und Identifikation desselbigen Radars verwendet werden. Bei neuen, lernfähigen Multifunktionsradaren mit ständig sich ändernden Sendesignalen ist eine solche Identifikation mit herkömmlichen Verfahren nicht mehr ohne weiteres möglich. Um neue Ansätze zur Aufklärung solcher adaptiven Radarsysteme zu testen, haben

		<p>Radarexperten des Fraunhofer-Instituts für Hochfrequenzphysik und Radartechnik und von armasuisse Wissenschaft und Technologie erstmals Emissionen eines adaptiven Radarsystems aufgezeichnet und analysiert.</p> <p><i>(Vollständige Medienmitteilung abrufbar unter:</i> https://www.ar.admin.ch/de/home.detail.news.html/ar-internet/news-2022/news-w-t/wie-koennen-kuenftige-radarsysteme-aufgeklaert-werden-.html<i>)</i></p>
vbs.admin.ch 28.10.2022	Bundesrätin Amherd besucht den Produktionsstandort der Schweizer F-35A in Italien	<p>Bundesrätin Viola Amherd besucht am 28. Oktober 2022 den F-35A-Produktionsstandort in Cameri, Italien. Es ist vorgesehen, dass die Schweiz mindestens 24 der insgesamt 36 F-35A Kampfflugzeuge in Cameri produzieren lässt. Die Chefin VBS wird den Produktionsstandort besichtigen und sich mit Vertretern des italienischen Verteidigungsdepartementes und des Rüstungsamtes sowie des Rüstungsunternehmens «Leonardo» austauschen.</p> <p><i>(Vollständige Medienmitteilung abrufbar unter:</i> https://www.vbs.admin.ch/de/home.detail.news.html/vbs-internet/wissenswertes/2022/221028a.html<i>)</i></p>
srgd.ch 26.10.2022	Ombudsleute kritisieren SRF-Analyse über F-35-Kauf	<p>Am 15. September 2022 gab der Nationalrat als zweite Kammer grünes Licht für die Beschaffung des Kampffjets F-35. SRF beleuchtete im «Echo der Zeit» und in einem Online-Beitrag gleichentags den Umgang des Parlaments mit der zustande gekommenen Volksinitiative gegen den Kampffjet. Zehn Beanstander erachteten die beiden Beiträge als unausgewogen und nicht neutral. Es werde suggeriert, demokratische Rechte seien ausser Kraft gesetzt worden. Die Ombudsleute unterstützen die Beanstandungen.</p> <p>Mehrere Beanstander stören sich ab der Bezeichnung «Analyse». Für sie kommt in beiden Beiträgen die persönliche Meinung des Autors zum Ausdruck. Deshalb habe es sich um einen Kommentar gehandelt.</p> <ul style="list-style-type: none"> • Analyse vs. Kommentar • Mögliches anderes Vorgehen aufgezeigt • Insgesamt umfassende Berichterstattung • Relevante Argumente fehlen • Sachgerechtigkeit verletzt <p><i>(Vollständige Bericht Ombudsleute abrufbar unter:</i> https://www.srgd.ch/de/aktuelles/news/2022/10/25/ombudsleute-kritisieren-srf-analyse-uber-f-35-kauf/<i>)</i></p>

		(Schlussbericht Ombudsstelle Nr. 8898 ff. abrufbar unter: https://www.srgd.ch/media/cabinet/2022/10/8898ff._20221020_OMB_SB_Echo_der_Zeit_SRF_News_F-35_Web.pdf)
		Luft- und Marineluftstreitkräfte sowie strategische und weitere luftgestützte Einsatzmittel
globaltimes.cn 03.11.2022 09:32 PM	CHN: KJ-500 early warning aircraft with an aerial refueling probe	Another new face that arrived at the Airshow China 2022 in Zhuhai is a variant of the KJ-500 early warning aircraft with what seems to be an aerial refueling probe above its nose, according to a set of photos released by the state-owned Aviation Industry Corp of China on the day. This means the new KJ-500 likely can receive aerial refueling, which can greatly enhance the early warning aircraft's range and endurance for extended missions, observers said.
baesystems.com 03.11.2022	GBR/DEU/ESP/ITA: BAE Systems awarded £80 million in Typhoon avionics support contracts	BAE Systems will continue to service and support the Eurofighter Typhoon aircraft's avionics for the platform's founding nations' air forces in Germany, Spain, the United Kingdom, and Italy, for the next five years. The agreements, worth £80 million, secure ongoing service and repairs for key avionics equipment such as displays, flight controls, and Helmet Mounted Displays, ensuring that the Typhoon is ready for deployment at all times.
f35.com 01.11.2022	F-35 Lightning II Program Status and Fast Facts	EIN MUST! (Abrufbar unter: https://www.f35.com/content/dam/lockheed-martin/aero/f35/documents/November%20F-35%20Fast%20Facts%202022.pdf)
news.defence.gov.au 01.11.2022	AUS: Project AIR 7404 Phase 1 - medium air mobility replacement	Defence is replacing and expanding its current medium air mobility fleet of 12 C-130J Hercules aircraft via Project AIR 7404 Phase 1. Defence has identified that the new C-130J aircraft represents the only option that meets all of Australia's capability requirements and assures Defence's medium air mobility capability without introducing substantial cost, schedule and capability risk. As a result, new C-130J aircraft will be the only option that Defence will progress for Government approval under Project AIR 7404 Phase 1 in 2023.

		<p><i>(Ergänzende Information scramble.nl vom 01.11.2022: The Royal Australian Air Force (RAAF) operates a fleet of twelve C-130J-30s since 1999 with 37 Squadron Foremost at RAAF Base Richmond (NSW) and ten C-27Js with 35 Squadron Adept at RAAF Base Amberley (Qld). Deliveries of the C-27J only started in 2014 and ended in April 2018. The number of new Hercules aircraft that will be acquired under Project AIR 7404 has not been disclosed yet, but it is believed that 24 C-130J-30s have been requested to replace the current fleet of C-130Js and C-27Js. It has also been reported that a separate tranche of KC-130J tankers may also be under consideration.)</i></p>
tass.com 31.10.2022	RUS: Russia tests engine for next-generation strategic missile-carrying bomber	<p>Prototypes of the latest engine codenamed Izdeliye RF for the next-generation strategic missile-carrying bomber PAK DA have undergone bench tests, a source in the domestic defense industry told TASS on Monday. "Several engine prototypes have already undergone a part of bench tests. The trials continue now. Their results will indicate whether the engine confirms its designed characteristics," the source said. A special test bench has been prepared for the Izdeliye RF. The UEC-Kuznetsov Company (part of the United Engine Corporation within the state tech corporation Rostec) is making preparations for the engine production, the source said.</p> <p><i>(Ergänzende Information tass.com vom 31.10.2022: Russian Deputy Defense Minister Alexey Krivoruchko told the Krasnaya Zvezda newspaper in December 2019 that the conceptual design of the PAK DA aircraft had been approved and the Tupolev Aircraft Company had begun developing its working design documentation. The Prospective Aviation Complex of Long-Range Aviation (abbreviated as PAK DA in Russian) has its design based on the "flying wing" scheme. The next-generation bomber will feature technologies and materials that reduce its radar signature. The aircraft will be capable of carrying existing and future strategic cruise missiles, precision bombs and hypersonic weapons and will be outfitted with the latest communications and electronic warfare systems. The bomber will fly at a subsonic speed.)</i></p>
sofiaglobe.com 28.10.2022	BGR/POL: Defence Ministry: Poland agreed to overhaul six Bulgarian Air Force MiG-29 engines	<p>Bulgaria's Defence Ministry sent Poland a request in August for the purchase or overhaul of six MiG-29 fighter jet engines, caretaker Defence Minister Dimitar Stoyanov told Parliament during Question Time on October 28, the ministry said in a statement. Stoyanov said that as a result of meetings held, Poland had undertaken to overhaul six engines. Regarding the overhaul of six engines, which is expected to be completed by the end of 2022, the Ministry of Defence has sent a draft intergovernmental agreement to Poland.</p> <p>He said that the Polish Defence Ministry had decided to decommission one MiG-29 aircraft and prepare its engines for sale to Bulgaria. "The Ministry of Defence has received information that Poland will propose an offer and a draft contract next week for the purchase of two engines," Stoyanov said.</p>
stripes.com 28.10.2022	DEU:	Germany is still committed to its blockbuster purchase of U.S.-manufactured F-35 Lightning II fighter jets despite the soaring costs that inflation is saddling the government with in its overhaul of the military. That was

	German air force stays the course on F-35 buy despite sky-high inflation	the message this week from the senior leader of the German air force, the Luftwaffe. The order is valued at \$8.4 billion and includes 35 planes plus munitions and additional equipment needed to get them operational. Germany has until the end of year to finalize a deal with Lockheed Martin. The purchase has gained urgency as the Luftwaffe looks to replace its fleet of PA-200 Tornado aircraft by 2030. The first F-35s are expected in German skies as early as 2027.
nst.com.my 27.10.2022 03:40 PM	MYS: Mindef submitted report on procurement of 36 LCA to MoF	<p>The Defence Ministry has submitted a report on the procurement of 36 light combat aircraft (LCA) for the Royal Malaysian Air Force (RMAF) to the Finance Ministry for further action. Caretaker Defence Minister Datuk Seri Hishammuddin Hussein said the physical assessment and price negotiation for the proposed acquisition had been completed. "We definitely need the LCA, and I believe there will be no problem if I use the previous (procurement) method, where the assets are determined by the end user.</p> <p>Previously, a total of eight international companies were reported to have bid for the tender to supply 36 LCA jets. The proposed acquisition is to replace five BAE Systems Hawk Mk 108 two-seater LCA jets and 13 Mk 208 single-seat models that have been in use for over a decade, as well as seven Italian-made Aermacchi MB-339CM Fighter Lead In Trainer (FLIT)-LCA stationed in Penang.</p>
news.defence.gov.au 27.10.2022	AUS: C-27J Spartan fleet set to receive avionics upgrade	<p>The Australian Government has signed a Commonwealth Avionics Upgrade Acquisition Contract for the C-27J Spartan Light Tactical Fixed Wing fleet. The \$70 million contract with Leonardo will result in the replacement and upgrade of existing radio capability, further improving the overall safety and suitability of the C-27J platform. "Upgrading the cryptographic radio function of the C-27J platform will ensure ongoing availability of secure communications, including interoperability with key strategic partners and intelligence networks, and increased overall safety for our Australian Defence Force personnel." No. 35 Squadron and Northrop Grumman personnel will modify the C-27J as part of routine maintenance. The Commonwealth Avionics Upgrade will begin in September 2023 at RAAF Base Amberley and is due to be completed in 2026.</p> <p><i>(More information regarding the C-27J Spartan is available at https://www.airforce.gov.au/technology/aircraft/air-mobility/c-27j-spartan)</i></p>
eurasianimes.com 26.10.2022	RUS: Russia's Modified Su-57 Stealth Fighter Variant With Stage 2 Engine In Test Flight	A modernized Su-57 stealth fighter jet took to the skies on its maiden flight on October 21, 2022, at Zhukovsky flight test center near Moscow, the United Aircraft Corporation (UAC) announced on October 25, 2022. According to UAC, the aircraft was piloted by a test pilot of the Sukhoi Experimental Design Bureau, Sergey Bogdan. The 56 minutes test flight was incident free. Intelligent crew support allows the Su-57's onboard computer to perform copiloting tasks, freeing the pilot to focus on critical functions. The aircraft takes over

		<p>piloting and preparing the use of weapons, according to Yuri Slyusar, Director General of the UAC. The aircraft also features a high degree of intelligent automation in combat.</p> <p>When originally conceived, the Su-57 was envisaged to be powered by a clean sheet design new engine referred to as Izdeliye (Product) 30, which would enable it to cruise at supersonic speed without the use of gas-guzzling afterburners. The aircraft was, however, developed and tested using an interim power plant – NPO Saturn Product 117 engine, which is derived from the AL-41F-1S after-burning turbofans developed for the Su-35.</p> <p>The Izdeliye 30 will improve the thrust and fuel efficiency of the fighter and reduce weight and maintenance requirements. The Izdeliye 30 engine was first flight tested on December 5, 2017. Since then, the engine has undergone intensive flight testing. As of October 2019, the engine had undergone 16 flight tests on a modified Su-57.</p> <p>In December 2019, Izvestia quoted Yuri Slyusar, general director of the UAC, saying that the Stage 2 engine was undergoing intensive testing. The engine had been flight tested for thrust vectoring, and its oil system had been tested under adverse flight conditions. Bench testing of the engine, too, was ongoing. A Sukhoi Design Bureau employee told TASS in September 2022 that, unlike 4th-gen fighters, the Su-57 can maintain supersonic speeds during most of its mission profile, even when engaged in combat.</p>
<p>janes.com 26.10.2022</p>	<p>MMR: Myanmar orders FTC-2000G jets</p>	<p>The Myanmar Air Force (MAF) has ordered a batch of Guizhou Aviation Industries Corporation (GAIC) FTC-2000G light combat aircraft from China. The order has not been officially disclosed by the governments of both the countries. However, The Irrawaddy reported that a group of about eight MAF pilots, eight technicians, and at least two weapons officers travelled to Kunming in June 2022. This is likely connected to training and familiarisation with the aircraft. The order for the aircraft was also likely placed in 2020. Subsequent deliveries and pilot training were delayed due to the Covid-19 pandemic and China's strict policies to contain the disease, the Irrawaddy added.</p> <p>The FTC-2000G is the baseline variant of the GAIC JL-9 Shanying two-seat supersonic turbojet-powered trainer. According to Janes data, it is a "low-cost, multipurpose aircraft" intended for export.</p>
<p>tass.com 25.10.2022 16:45</p>	<p>RUS: Russia's upgraded Su-57 fifth-generation fighter performs debut flight</p>	<p>"The Sukhoi Design Bureau within the UAC carries out work for further developing the Su-57. On October 21, the upgraded Su-57 fifth-generation plane performed its debut flight at the Gromov Flight Testing Institute's airfield. The aircraft was flown by the Sukhoi Design Bureau test pilot, Hero of Russia Sergey Bogdan. The flight lasted 56 minutes and ran without any snags," the statement says.</p>

		<p>The Su-57 fighter jet is also testing onboard equipment with extended functionality, the crew's AI support and the option of using a broad range of new types of weapons, the UAC said. "The aircraft also offers a possibility to install a second-stage engine," the statement reads. The Su-57 AI system assumes some of the pilot's functions, including piloting and preparations for the use of weapons.</p> <p>The Sukhoi Su-57 is a Russian-made fifth-generation multirole fighter designed to destroy all types of air, ground and naval targets. The Su-57 fighter jet features stealth technology with the broad use of composite materials, is capable of reaching a supersonic cruising speed and is furnished with the most advanced onboard radio-electronic equipment, including a powerful onboard computer (the so-called electronic second pilot), the radar system spread across its body and some other innovations, in particular, armament placed inside its fuselage.</p>
latribune.fr 23.10.2022 09:20	FRA/DEU: SCAF: what if Dassault Aviation and Airbus reach an agreement to everyone's surprise	<p>This is surprising news in the current depressed Franco-German context. Airbus and Dassault Aviation would not be far from reaching an agreement on pillar 1, the NGF (Next Generation Fighter) as part of the SCAF program (Germany, Spain, France), according to our information. "There is still some work to be done but discussions are progressing. They can end this week as in several weeks," we explain to La Tribune. There was even recently a desire on the part of Airbus to formalize an agreement (and not a signature) at the beginning of the week.</p> <p>As part of the negotiations on the SCAF, Dassault Aviation wants to freely exercise the prime contractor of pillar 1 without interference with Airbus, as it has always proclaimed loud and clear, and now claims more presence in pillars 3 (remote carrier) and 4 (combat cloud), i.e. the NGWS (New generation weapon system) to have the overall coherence necessary for the NGF and its missions (NGF + Remote carriers, within a battle cloud). Barring an accident in the negotiations, Dassault Aviation and Airbus should soon be able to announce the launch of phase 1B (detailed studies with a view to defining a demonstrator), then at its end would naturally come phase 2 (demonstration).</p>
defense.gouv.fr 21.10.2022	FRA: DGA delivers 8th MRTT multirole transport and refueling aircraft	<p>On October 21, 2022, the DGA took delivery of the 8th A330 MRTT (Multi role tanker transport) Phoenix multirole tanker aircraft. The A330-MRTT Phoenix is a multi-purpose aircraft derived from the Airbus A330 airliner. The breadth of its capabilities allows it to replace several separate fleets of older generation aircraft: the C135-FR and KC135-RG for air-to-air refueling, and the A310 and A340 for strategic personnel and cargo transport. The Phoenix is designed to meet the various missions entrusted to the Air Force and Space:</p>

		<p>implementation of the air component of nuclear deterrence, contribution to the permanent aviation security posture, strategic projection of forces and power, emergency medical transport.</p> <p>12 A330-MRTT Phoenix will be delivered to the Air and Space Force by the end of 2023.</p>
<p>dailysabah.com 21.10.2022 12:18 PM GMT+3</p>	<p>TUR/USA: US not only way out for Türkiye if talks on F-16 sales fail: Erdoğan</p>	<p>President Recep Tayyip Erdoğan on Friday said the process regarding the purchase of F-16 fighter jets was proceeding as planned, yet he reiterated that Türkiye was not without alternatives in case talks with the United States fail. “At the moment, the opinion of the (U.S.) administration is developing in a positive direction. Of course, the U.S. is not the only way out for us,” Erdoğan told reporters aboard his plane returning from a trip to Azerbaijan. “If necessary, as with the S-400 systems, we are negotiating alternatives outside of the United States ... We have alternatives,” he stressed.</p> <p>Türkiye has been seeking to modernize its air fleet and sought to buy 40 F-16 jets and nearly 80 modernization kits from the U.S. Biden has said he supports the sale and that he would work to convince lawmakers to deliver the F-16 jets for Türkiye’s air force. The sale of U.S. weapons to Türkiye became contentious after Ankara acquired Russian-made S-400 defense missile systems. The deal triggered U.S. sanctions as well as Türkiye’s removal from the F-35 fighter jet program. Ankara has vowed it may consider alternatives, including Russia, if the United States fails to follow through on its promise to deliver F-16s to Turkish air forces.</p>
<p>flightglobal.com 21.10.2022</p>	<p>BRA: Brazil cuts three Embraer KC-390s, reducing order to 19</p>	<p>The Brazilian air force has further reduced the number of cargo transports it intends to purchase from domestic airframer Embraer. The manufacturer, based in Sao Jose dos Campos, said on 21 October it agreed to a contract change trimming the number of KC-390 transports the service intends to acquire by three aircraft. Brazilian air force will now field a reduced total of 19 C/KC-390s. The new terms mean the air force will purchase 19 of the medium-transport jet, down from the previous agreement of 22. It had originally intended to acquire 28 KC-390s, but dropped the figure to 22 in November 2021.</p>
<p>economictimes.com indiatimes.com 20.10.2022 07:19 PM IST</p>	<p>IND: Airbus receives regulatory approval for C295 India aircraft programme</p>	<p>Aircraft manufacturer Airbus says it has received approval from India's aviation regulator for the C295 aircraft programme. The Indian government, in September, signed a Rs 21,00 crore deal with Airbus Defence and Space to procure 56 C295 transport aircraft. The Directorate General of Aeronautical Quality Assurance (DGAQA) approved the European aviation major's plan to replace the Indian Air Force's ageing Avro-748 planes. Airbus becomes the first foreign original equipment maker to get such approval; under the agreement, the European manufacturer will deliver 16 aircraft ready to fly within four years, while the remaining 40 will be manufactured and assembled by Tata Advanced Systems (TASL) in India as part of an industrial partnership between the two companies.</p>

		Hubschrauber und Kipprotor-Flugzeuge
bellflight.com 02.11.2022	USMC: Bell Completes U.S. Marine Corps AH-1Z Program of Record	<p>In a ceremony at the Amarillo Assembly Center, Bell Textron Inc. celebrated the delivery of the 189th AH-1Z Viper to the U.S. Marine Corps, completing the Program of Record (POR) for the latest version of the storied H-1 platform. Bell completed the UH-1Y POR of 160 aircraft in 2018 bringing the combined H-1 POR to 349 aircraft. “The first production lot of US Marine Corps H-1s was ordered in 1962, and they changed the way Marines fight today,” said Mike Deslatte, Bell H-1 vice president and program director. “Completing the AH-1Z and UH-1Y deliveries to the US Marine Corps adds one more chapter to the legacy of the H-1 platform.”</p> <p>Bell has been producing H-1s for the U.S. military since 1959. Bell originally designed the H-1 for the U.S. Army with the iconic “Huey.” In 1966 Bell created the AH-1 Cobra as the first dedicated gunship. In 1970, the Bell UH-1N brought twin engine capabilities to more than 28 countries, and in 1984 the AH-1W provided the U.S. Marine Corps increased attack helicopter capability.</p> <p>The current generation AH-1Z Viper and UH-1Y Venom are the most agile, mobile, and survivable combination of aircraft used by the Department of Defense. The 85% common platforms are the only two aircraft that share so much commonality, providing the Marines with logistical agility and reduced operating costs. The AH-1Z achieved initial operating capacity in February 2011 and the UH-1Y achieved initial operating capacity in August 2008. The first combined Viper/Venom deployment with a Marine Expeditionary Unit occurred in 2009.</p> <p>The H-1 production line is still active in support of foreign military sales to approved U.S. allies. Bell continues to produce AH-1Z Vipers for the Kingdom of Bahrain and will manufacture eight UH-1Ys and four AH-1Zs for the Czech Republic in 2023.</p>
bellflight.com 01.11.2022	JOR: Royal Jordanian Air Force Agrees to Purchase Bell 505s to Boost Training Capabilities	<p>Bell Textron Inc. announced the signed agreement for the sale of 10 Bell 505 helicopters to the Royal Jordanian Air Force (RJAF) today at The Special Operations Forces Exhibition & Conference (SOFEX) in Aqaba, Jordan. The contract includes the delivery of the aircraft with a flight training device and a comprehensive computer-based training package to enable an enhanced approach to basic and advanced rotorcraft flight training at the King Hussein Air College in Mafraq, Jordan.</p>

<p>janes.com 01.11.2022</p>	<p>SWE: Swedish Armed Forces recommends replacing NH90, buying additional UH-60M helos</p>	<p>Sweden is set to replace its NHIndustries (NHI) NH90 maritime helicopters, at the same time as expanding its fleet of land-roled UH-60M Black Hawk helicopters.</p> <p>The Supreme Commander of the Swedish Armed Forces, General Micael Bydén, made the announcement on 1 November as part of a raft of wider planned capability enhancements delivered for consideration to the Swedish government. “Air defence is proposed to be strengthened, among other things, through the acquisition of a new sea-operational helicopter, and an additional ground-operational helicopter 16,” Gen Bydén said, referring to the UH-60M's national designation of HKP 16.</p> <p>The Swedish Air Force (SwAF) operates 18 NH90 helicopters that were acquired across a range of interim HKP 14A–E configurations, with the ultimate objective of fielding nine HKP 14E troop transport/assault/search-and-rescue (SAR) and HKP 14F anti-submarine warfare (ASW)/anti-surface warfare (ASuW)/SAR standard aircraft. Sweden's NH90 fleet was to have been fully operational in 2008, but this has been progressively delayed and is still not achieved.</p>
<p>defbrief.com 31.10.2022</p>	<p>SLV: US delivers four MD 530F helicopters to El Salvador</p>	<p>The United States has delivered four MD 530F helicopters to the Armed Forces of El Salvador (FAES) through its embassy in El Salvador. The four helicopters delivered to El Salvador include two units in white UN livery, which will be deployed to the MINUSMA mission, while the other two will support various security missions in-country. The US donated the equipment with the objective of supporting the United Nations Multidimensional Integrated Stabilization Mission in Mali (MINUSMA), the embassy said.</p> <p>Also referred to as Little Birds, the MD 530F scout attack helicopters are built by MD Helicopters and can carry Dillion M134 mini gun, FN Herstal heavy machine guns and rocket machine gun pods, as well as the 2.75-inch folding-fin aerial rockets. In addition to the helicopters, the US government also delivered a fire truck, a tanker, generators and a forklift.</p>
<p>defense.gov 31.10.2022</p>	<p>USN: CH-53K helicopter</p>	<p>Sikorsky Aircraft Corp. is awarded a not-to-exceed \$280,946,361 firm-fixed-price modification (P00004) to a previously awarded contract (N0001922C0004). This modification exercises an option to procure long lead items in support of full rate production Lot 8, CH-53K aircraft. Work is expected to be completed in December 2023.</p>
<p>globaltimes.cn 30.10.2022 06:02 PM</p>	<p>CHN: China's Z-20 helicopter surpasses Black Hawk in</p>	<p>China's domestically developed Z-20 utility helicopter has surpassed the US' Black Hawk, as it has adopted many advanced technologies the Black Hawk does not have, said the chief designer of the Chinese chopper on state broadcaster China Central Television (CCTV). Deng Jinghui made the remarks when he was asked on a</p>

	technologies, chief designer says	<p>CCTV program on Saturday if the Z-20 has copied or drawn inspiration from the Black Hawk, given the similarity in appearance between the two helicopters.</p> <p>The Z-20 is a fourth-generation helicopter that has many technologies the Black Hawk does not have, including a fly-by-wire flight control system, which is a typical characteristic to make a helicopter ranking among the fourth generation, Deng said. The Black Hawk is not equipped with active control systems of noise and vibration like the Z-20 does either, he said. "It is not [the Z-20] that has copied the Black Hawk, it is the Z-20 that has surpassed the Black Hawk," Deng said.</p>
airbus.com 28.10.2022	ESP: Delivery of the first two H135s to the Spanish Ministry of Interior	<p>Airbus has delivered the first two H135s to the Spanish Guardia Civil and National Police under the 36-unit contract signed with the General Directorate for Armaments and Materiel (DGAM) at the end of 2021 to supply the Ministry of Defence and the Ministry of Interior. The new helicopters will enable the National Police and Guardia Civil to replace BO105 helicopters in a wide range of missions including police, surveillance, and rescue activities. In total, the Ministry of Interior will receive 18 units.</p> <p>As for the Spanish Air Force and Navy, which will receive eleven and seven H135s respectively, deliveries will begin next year and will be added to the 16 helicopters already operated by the Spanish Army for training and support missions for the Military Emergency Unit (UME).</p>
news.bellflight.com 27.10.2022 14:29 CDT	USA: Bell Boeing V-22 Osprey: The World's Most Versatile Aircraft	<p>One such revolutionary piece of technology is tiltrotor, exemplified by the V-22, the Osprey combines the vertical takeoff, hover, and vertical landing qualities of a helicopter with the long-range, fuel efficiency, and speed characteristics of a turboprop aircraft. The Osprey's multi-mission advantage across a full range of military operations means fewer resources are required to complete more tasks, improving mission efficiency and reducing logistic costs. From 1984 through 2007 over twenty studies compared the V-22 to all currently available and proposed rotorcraft and showed the V-22 as the most cost-effective solution.</p> <p><i>(Systembeschreibung abrufbar unter:</i> https://news.bellflight.com/en-US/219715-bell-boeing-v-22-osprey-the-world-s-most-versatile-aircraft)</p>
leonardo.com 27.10.2022 11:30	ITA: Italy's Carabinieri to introduce new mission capabilities with new AW119Kx helicopters	<p>Leonardo has announced today the signing of a contract by Italy's Carabinieri for the supply of 20 AW119Kx single engine helicopters for its Air Service. The aircraft will be assembled at Leonardo's Vergiate facility (Varese) with deliveries expected in the 2023-2026 period. The helicopters will be used at the existing locations of the service, which includes 18 bases across the country.</p>

<p>en.yna.co.kr 27.10.2022 21:22</p>	<p>KOR: KAI wins deal to develop attack helicopters for Marines</p>	<p>Korea Aerospace Industries (KAI) said Thursday it has won a contract to develop and supply homegrown amphibious attack helicopters for the Marine Corps. South Korea's sole aircraft maker unveiled the 438.4 billion-won (US\$308.2 million) deal with the Defense Acquisition Program Administration (DAPA) in a regulatory filing. The contract will be executed within 46 months.</p> <p>In April 2021, DAPA decided to develop a homegrown attack helicopter based on the MUH-1 amphibious utility chopper, better known as Marineon, which was developed by KAI. At that time it was said the Marine Corps wanted foreign helicopters, such as the AH-64 Apache or AH-1Z Viper of Bell Textron. But the authorities opted for a homegrown model, considering the interoperability with the Marineon and other factors, officials said.</p>
<p>boeing.com 25.10.2022</p>	<p>NLD: Boeing Delivers First Upgraded AH-64E Apache to Royal Netherlands Air Force</p>	<p>Boeing has delivered the first AH-64E Version 6, or v6, Apache helicopter featuring improved performance, sensors and software to the Royal Netherlands Air Force (RNLAf). As part of a Foreign Military Sale through the U.S. Department of Defense, Boeing received a contract in 2019 to remanufacture 28 RNLAf AH-64 D-model Apaches to the advanced AH-64E v6. Delivery for the final E-model Apache to the country is targeted for 2025. The AH-64E v6 is the most modern configuration of the Apache attack helicopter. Since 1984, over 2,600 Apaches have been delivered to the U.S. Army and 17 international customers. Currently, there are more than 1,260 Apaches operating worldwide with more than 665 representing the E-model.</p> <p><i>(Systembeschreibung AH-64 Apache abrufbar unter: https://www.boeing.com/defense/ah-64-apache)</i></p>
<p>defenceweb.co.za 25.10.2022</p>	<p>NER: Niger receives AB 412 helicopters from Italy</p>	<p>Niger's military has taken delivery of two AB 412 helicopters from Italy, and will receive another two helicopters next year. The Italian Ministry of Defence said the two AB 412s were refurbished by the Agenzia Industrie Difesa (Defence Industries Agency) before being delivered to Niger. The aircraft will be used to strengthen Niger's Air Force and carry out personnel transport, cargo and medical evacuation flights, and combat cross-border crimes.</p>
		<p>Unbemannte Luftfahrzeuge (UAV) und Robotik</p>
<p>economictimes.com indiatimes.com</p>	<p>IND:</p>	<p>The Indian Army has started the process to procure 120 loitering munitions and 10 aerial targeting systems to bolster its military might along the frontier with China, officials said on Thursday. The loitering munitions and</p>

<p>03.11.2022 10:25 PM IST</p>	<p>Army starts process to procure 120 loitering munitions, 10 aerial targeting system</p>	<p>the aerial targeting systems are being procured under the fast track procedure within the framework of 'buy Indian' category, they said. The officials said the request for proposal or initial tender for the procurement will be issued around November 14. Under the prescribed specifications, the aerial targeting systems will be required to have a range of 100 km. The Indian Army has been ramping up its overall combat capabilities in view of the lingering border row with China in eastern Ladakh.</p>
<p>globaltimes.cn 02.11.2022 09:21 PM</p>	<p>CHN: Over 200 Chinese CH-4 drones sold on international market; new facility to expand production capacity: manufacturer</p>	<p>Production of China's CH series unmanned aerial vehicle (UAV) is running at maximum capacity thanks to heavy market demand, with the bestselling CH-4 drone having sold more than 200 units on the international market, the Global Times learned from the drone manufacturer on Wednesday. With increasing market demand, the CH UAV company is expanding its production capacity by building a modern, intelligent production line in Taizhou, East China's Zhejiang Province, which will be fully operating by 2023, the company said.</p> <p>After being upgraded with a domestically developed heavy-fuel engine, the CH-4 armed reconnaissance drone will make its reappearance at the upcoming Airshow China 2022. Thanks to the new power source, the CH-4 now has a longer endurance, a longer range, a higher cruise altitude and ceiling, as well as a larger payload capacity.</p> <p>The latest version of the CH-5 will offer maritime applications, as it can detect information on the sea surface and underwater. As a high-end drone, the CH-7 is characterized by its high-altitude, high-speed, high-endurance and stealth capabilities. The CH-7 can conduct reconnaissance missions without opponents becoming aware of it. Other known members in the CH drone family include the cheap but effective CH-3, the large CH-6, the tilt-rotor CH-10 and the solar-powered CH-T4. The company also makes munitions suitable for use with the drones.</p>
<p>kyivindependent.com 31.10.2022</p>	<p>LVA/UKR: Latvian Atlas Dynamics supplies Ukrainian military with futuristic drones, plans to start production in Ukraine</p>	<p>As of October, Latvian-based Atlas Dynamics has delivered over 200 small reconnaissance drones to Ukraine. Soldiers use them to recon Russian positions and provide targeting for missiles. Contrary to large fixed-wing UAVs like Ukrainian Leleka-100 and Furia, Latvian Atlas Pro drones are smaller, lighter, cheaper, and easier to operate. Yet, they also have drawbacks: one drone can fly only 7-8 kilometers and stay in the air for up to 30 minutes. If the Atlas drone breaks, it cannot be repaired on the spot – it must be brought back to Latvia, where all the necessary spare parts are available.</p> <p>"The Atlas drone is easy to use and carry around – I can put it in a backpack," said Ukrainian military drone operator Yaroslav, who refused to give his full name for security reasons. To control the drone, Yaroslav uses a</p>

		<p>tablet, where he can create missions and set routes. "I learned the basics of how to use it in a few hours," Yaroslav told the Kyiv Independent.</p> <p>Atlas Pro is a tricopter weighing less than two kilograms that can fly at a speed of up to 56 km/h. The Atlas drone can be operated by one person, who only needs to spend a few minutes preparing the drone for launch. This distinguishes small reconnaissance drones like Atlas Pro from large fixed-wing drones that can only be operated by several trained specialists, and hence are more expensive to run. The possibility of jamming Atlas drones is "very low," according to Tolchinsky. "We know exactly which electronic warfare systems Russia uses to intercept drone signals, so we made our vehicles more robust to their influence," he said.</p> <p>Atlas is fully integrated with the NATO system and meets all of NATO's requirements, including encrypted communication. "We need to encrypt the drone's communications so that no one can seize control of the drone or access its data if the drone crashes in enemy territory," Tolchinsky said.</p> <p>To bring Atlas drones to the battlefield in Ukraine, the company also needs a certificate from the Latvian Ministry of Defense. "Given that Latvia supports Ukraine, we could get it quickly – in a day, not in 2-3 weeks." Atlas supplies the Ukrainian army with kits that cost about 50,000 euros. One kit includes three drones, three different cameras, bags, batteries, and chargers.</p> <p><i>(Vollständiger Bericht abrufbar unter:</i> https://kyivindependent.com/tech/latvian-atlas-dynamics-supplies-ukrainian-military-with-futuristic-drones-plans-to-start-production-in-ukraine<i>)</i></p>
<p>ga-asi.com 31.10.2022</p>	<p>POL: GA-ASI to Deliver MQ-9A Reapers to Poland</p>	<p>As part of a lease agreement, Poland will take delivery of MQ-9A Reaper Remotely Piloted Aircraft from General Atomics Aeronautical Systems, Inc. (GA-ASI). The new agreement between GA-ASI and the Polish Ministry of Defence has a net value of \$70.6 million.</p> <p>MQ-9A Reapers are operated by the United States, the United Kingdom, France, Italy, the Netherlands, and Spain. GA-ASI's newer MQ-9B variant has been acquired by the UK and Belgium. The MQ-9B maritime surveillance configuration (SeaGuardian®) recently began operations in support of the Japan Coast Guard. MQ-9A Reaper has endurance of over 27 hours, speeds of 240 KTAS and can operate up to 50,000 feet. It has a 3,850-pound (1,746-kilogram) payload capacity that includes 3,000 pounds (1,361 kilograms) of external stores. It provides a long-endurance, persistent surveillance capability with Full-Motion Video and Synthetic Aperture Radar/Moving Target Indicator/Maritime Radar. An extremely reliable aircraft, MQ-9A Block 5 is</p>

		equipped with a fault-tolerant flight control system and triple redundant avionics system architecture. It is engineered to meet and exceed manned aircraft reliability standards.
dailysabah.com 28.10.2022 04:25 PM GMT+3	POL: Poland receives 1st batch of Turkish Bayraktar TB2 combat drones	<p>Turkish drone magnate Baykar has delivered the first batch of Bayraktar TB2 unmanned combat aerial vehicles (UCAVs) to Poland after signing an agreement back in 2021, a Baykar official said Friday. The contract to supply the Polish Armed Forces with four batches of Bayraktar TB2 UCAVs was signed in May 2021. Each of the batches includes six armed Bayraktar TB2 drones and three mobile control stations. In total, 24 UCAVs will enter the Polish military's inventory. The contract also includes the delivery of SAR radars, simulators and a stock of spare parts as well as the delivery of MAM-L and MAM-C laser-guided missiles that were developed by another Turkish defense giant, Roketsan and used by the Bayraktar UCAVs.</p> <p>The Bayraktar TB2 is a medium altitude, long endurance (MALE) class tactical UCAV capable of conducting intelligence, surveillance and reconnaissance (ISR) tasks and combat missions using guided missiles. The Bayraktar TB2 has been equipped with an avionics system enabling fully autonomous taxiing, take-off, landing and flight.</p> <p><i>(Ergänzende Information defence24.com vom 02.11.2022 09:10: The first Bayraktar TB2 UAVs delivered to Poland have been presented at the 12th UAV Base in Miroslawiec. The first out of 4 contracted Bayraktar TB2 sets was delivered a few days earlier, for the Polish Armed Forces. It includes six UAVs with three mobile control stations.)</i></p>
janes.com 27.10.2022	PAK: Pakistan Air Force personnel train to operate Akinci UAVs	Dozens of Pakistan Air Force (PAF) personnel have completed training to operate Baykar Tech's Bayraktar Akinci (Flying Fish) armed unmanned aerial vehicle (UAV). This suggests that the Pakistan Air Force is on schedule to induct the UAV.
globaltimes.cn 26.10.2022 08:52 PM	CHN: First four-engine large drone developed by China makes maiden flight	<p>The Twin-Tailed Scorpion D, a four-engine large drone independently developed by Sichuan Tengden Sci-Tech Innovation Co, made its maiden flight on Tuesday and will make its public debut at the upcoming Airshow China 2022, the aircraft's developer announced on Wednesday. Capable of carrying heavier and larger payloads, the new drone has enhanced transport capability compared with its predecessors in the Twin-Tailed Scorpion series, analysts said. This multipurpose, medium-altitude, long-endurance unmanned aerial vehicle system with fixed wings and four engines is the first of its kind in the world, Tengden said.</p> <p>The drone has a wingspan of 20 meters, a length of 10.5 meters and a height of 3.1 meters. It has a maximum takeoff weight of 4.35 tons, a maximum payload weight of 1.5 tons and a maximum cargo space of 5 cubic</p>

		<p>meters, the company said. According to a video obtained by the Global Times, the drone has two hatch doors on its chubby fuselage, through which cargos can be loaded. This means the Twin-Tailed Scorpion D focuses more on transport capability, as it can host more cargos and other payloads within its fuselage very flexibly, in addition to carrying them under the wings like other Twin-Tailed Scorpion series drones, an aviation expert who requested anonymity told the Global Times on Wednesday.</p> <p>Other members of the Twin-Tailed Scorpion series include the original Twin-Tailed Scorpion (TB) with two engines and the Twin-Tailed Scorpion A (TB-A) with three engines.</p>
<p>dailysabah.com 25.10.2022 03:38 PM GMT+3</p>	<p>TUR: Meet Türkiye's new kamikaze drone: Deli</p>	<p>The new drone, named Deli, was developed by Titra Teknoloji and was exhibited for the first time at the SAHA Expo defense and aviation fair starting Tuesday in Istanbul. The fixed-wing kamikaze UAV can be launched manually or from a catapult. They expect the product to reach a level where it can be added to the inventory by the end of this year. With its autonomous and manual operational capabilities, Deli can be easily transported with its modular structure and is ready for use in less than 15 minutes. Deli, whose safety level has been increased with anti-jamming devices, can reach a cruising speed of 80 kph (50 mph) and a maximum speed of 180 kph. Deli is preparing to enter the battlefield with a maximum altitude of 3,500 meters (11483 feet) and an operational altitude of 150-500 meters. It has a warhead of around 3.1 kilograms (6.8 pounds).</p>
<p>defenceweb.co.za 25.10.2022</p>	<p>MAR: Morocco receiving BlueBird UAVs</p>	<p>Israel's BlueBird Aero is supplying over 100 WanderB and ThunderB unmanned aerial vehicles (UAVs) to the Moroccan Army. It is believed that Morocco ordered 150 aircraft from BlueBird in 2021, with part production in Morocco, under an estimated \$50 million contract, LeDesk reports. BlueBird said the Royal Moroccan Army had purchased dozens of ThunderB and WanderB UAVs and that they are being used for intelligence, surveillance, targeting and reconnaissance (ISTAR), border security, law enforcement, convoy and force protection, and artillery spotting.</p> <p>The WanderB is a vertical takeoff and landing UAV powered by electric motors – it uses four rotors for vertical takeoff and landing and a pusher propeller and fixed wing for horizontal flight. It has an endurance of 2.5 hours and communications range of 50 km. Maximum takeoff weight is 13 kg, of which half can be payload, including day or night cameras. Wingspan is three metres.</p> <p>The ThunderB conventional takeoff and landing UAV has an endurance of 12 hours, range of up to 150 km and maximum takeoff weight of 35 kg.</p>

		<p>Morocco is also reported to have acquired Harop loitering munitions from Israel Aerospace Industries (IAI) in a deal reportedly worth \$22 million and apparently plans to acquire Hermes 450 UAVs. It has also acquired Harfang UAVs and Skylock counter-UAV systems.</p> <p>Late last year Morocco acquired a number of Bayraktar TB2 UAVs from Turkey – apparently 13 were acquired in 2020. As the TB2 can be armed, they were likely acquired for air-to-ground combat operations.</p>
<p>janes.com 24.10.2022</p>	<p>USARMY: US Army reviews contenders for FTUAS Increment 2</p>	<p>The US Army is evaluating industry ideas for its Future Tactical Unmanned Aircraft System (FTUAS) Increment 2 and expects to decide in a few months which companies will participate in the programme's prototyping phase, according to the service's Program Executive Office for Aviation (PEO Aviation).</p> <p>The army's Aviation & Missile Technology Consortium requested Increment 2 white papers from industry in October 2021, and the service plans to award "other transaction authority" (OTA) contracts to "multiple" vendors in the second quarter of fiscal year (FY) 2023, which runs from January to March, a PEO Aviation spokesperson told Janes on 20 October. The vendors that receive OTAs will provide prototypes for a competition that is intended to lead to a "fieldable solution" in FY 2025.</p>
<p>defenceweb.co.za 24.10.2022</p>	<p>NGA: Nigeria begins Aerosonde UAV operations</p>	<p>The Nigerian Army has started using the Textron Systems Aerosonde unmanned aerial vehicles (UAVs) acquired from the United States under a 2020 contract, worth \$25 million and including contractor support and training. On 11 October, Textron said the first operational flights of the Nigerian Army's Aerosonde aircraft had taken place, adding that the Aerosonde "hosts intelligence, surveillance and reconnaissance (ISR) capabilities and will be the first UAS capability of its kind in country."</p> <p>According to Textron, the Aerosonde has been designed for expeditionary land- and sea-based operations and equipped for simultaneous day/night full-motion video, communications relay and signals intelligence payloads in a single flight. Payload options include video, communications relay, synthetic aperture radar, electronic warfare, signals intelligence, communications intelligence, 3D mapping and Automatic Identification System (AIS). The aircraft has a wingspan of 3.7 metres, a range of 140 km, endurance of 14 hours, service ceiling of 4 600 metres and payload of 9.1 kg. It can be launched and recovered from small spaces, including vessels.</p>
<p>globaltimes.cn 23.10.2022 07:04 PM</p>	<p>CHN: China's GJ-11 stealth drone on display in</p>	<p>At a time when China's latest armed reconnaissance drone, the stealth-capable GJ-11, is on display at an ongoing expo in Beijing, official media reported that the uncrewed aerial vehicle (UAV) is capable of conducting missions to size air superiority. Military analysts said that while the report seems counter-intuitive, it might indicate some new combat concepts.</p>

	<p>Beijing, 'capable of seizing air superiority'</p>	<p>The independently developed GJ-11, currently exhibited at the "Forging Ahead in the New Era" show at the Beijing Exhibition Center, is a type of uncrewed combat aircraft with high stealth, high penetration and precision strike capabilities, China Central Television (CCTV) reported on Thursday. Not only can it fly high and fast, it can also carry out missions including offensive air superiority seizing and suppressive air defense operations under high threats and in highly contested environments just like the J-20 stealth fighter jet, CCTV said.</p> <p>This is the first time an official media has revealed that the GJ-11 is capable of seizing air superiority, observers said. It was widely believed that armed reconnaissance drones, including the GJ-11 which has a flying wing aerodynamic design and a top-mounted air inlet design, are not best suited for air superiority missions, which mainly means air-to-air combat, because of their subsonic speed and low maneuverability, but the air superiority seizing ability the GJ-11 is capable of might not be the same concept, said some military experts reached by the Global Times on Sunday. Since the stealth aircraft can penetrate deep behind hostile air defense, it can conduct precision strike missions on enemy airfields and bases. In this way, the enemy will have to give up air superiority since they have no aircraft in the air in the first place, a Beijing-based military expert who requested anonymity told the Global Times.</p> <p>According to another recent report by CCTV, multiple stealth drones like the GJ-11 could accompany a twin-seat version of the J-20 in a joint mission. In this concept, drones can serve as external missile carriers and fire air-to-air missiles for the J-20 remotely. This is another way the GJ-11 might conduct air superiority missions, experts said.</p> <p>According to an official model of the GJ-11 displayed at the Airshow China 2021 held in Zhuhai, South China's Guangdong Province, the drone has two weapons bays symmetrically positioned between the drone's three landing gears. Each bay has four ammunitions which look like guided precision air-to-ground glide bombs. It is unknown if the GJ-11's weapons bays could host air-to-air missiles, but analysts said they have the potential to carry multiple types of munitions.</p> <p>The GJ-11 made its first public appearance at the National Day military parade on October 1, 2019 in Beijing.</p>
<p>economictimes. indiatimes.com 20.10.2022</p>	<p>IND: Army to procure 1,000 surveillance copters, 80</p>	<p>The Indian Army on Thursday began the process to procure 80 mini remotely piloted aircraft systems and 1,000 surveillance copters to bolster its overall surveillance apparatus along the Line of Actual Control (LAC) with China. Officials said the mini remotely piloted aircraft is an ideal multi-sensor system to carry out day and night</p>

08:03 PM IST	mini remotely piloted aircraft	surveillance and target detection in high-altitude regions. "The system will be able to provide high resolution imagery to enable target detection, recognition, identification and accurate location of adversary's location as well as build up of troops," said an official. According to the request for proposal or initial tender, the select supplier will have to supply the platforms within 12 months of signing the contract.
		Bewaffnung und weitere Nutzlasten
globaltimes.cn 03.11.2022 09:32 PM	CHN: PLA Air Force's H-6K bomber with suspected air-launched ballistic missiles arrives at Airshow China site	<p>An H-6K bomber of the Chinese People's Liberation Army (PLA) Air Force carrying two new-type missiles arrived in Zhuhai, South China's Guangdong Province on Thursday in preparation for the upcoming Airshow China 2022. Military observers said that this is the first time the bomber has displayed what seems to be its air-launched ballistic missiles to the public. The H-6K carried one such missile on each wing, according to a video report by China Central Television (CCTV). The exact type of the weapon is not yet clear, but it seems like a kind of air-to-ground missile with a design very close to a ballistic missile, the CCTV report said. While the designation of the missile also remained unknown as of press time, "2PZD-21" was written on the body of a missile, according to the CCTV report.</p> <p>Previously, the H-6K had displayed its capabilities to carry subsonic and supersonic cruise missiles, and this could be the first time the general public has seen the H-6K carrying a type of air-launched ballistic missile, the report said. It is expected that this H-6K with the missiles will be put on static display at the Airshow China 2022.</p> <p>The missiles carried by the H-6K have some resemblances to the Russian Kinzhal hypersonic air-launched ballistic missile by appearance, so it is possible that this type of new missile is also hypersonic, Song Zhongping, a Chinese military expert and TV commentator, told the Global Times on Thursday. It can likely hit stationary targets as well as slowly moving targets like aircraft carriers, Song said. Being air-launched usually provides a missile with extra range compared with being launched from the ground. The aircraft can also launch a missile from a location closer to the enemy, making the missile more difficult to intercept, analysts said. This type of missile could also have ground-launched and vessel-launched variants, Song said.</p>

<p>eurasiantimes.com 02.11.2022</p>	<p>RUS: Russian Tupolev Bombers Firing New Kh-32 Anti-Ship Missiles To Attack Ground Targets In Ukraine – State Media</p>	<p>Russia’s Tu-22M3 and modernized Tu-22M3M long-range bombers reportedly use the new Kh-32 anti-ship cruise missiles, also known as ‘carrier killer missiles,’ for precision strikes on Ukrainian military infrastructure. The latest revelation came from a report by RIA Novosti, the Russian state-owned news agency, on November 2, which cited an unnamed Russian defense source. The source noted that the Kh-32, which is derived from the Soviet-origin Kh-22 anti-ship cruise missiles, is designed for the upgraded Tu-22M3M version. Still, several Tu-22M3 have also been converted to accommodate the new Kh-32 missile. Before its military operation in Ukraine, Russia had said it would upgrade 30 Tu-22M3 bombers to the Tu-22M3M version, but so far, only four aircraft are said to have undergone the upgrades.</p> <p>The Kh-32 cruises at speeds between Mach 3.5 – 4.6 (or 4000 – 5400 kph) at altitudes of up to 40 kilometers, while the Kh-22 is said to accelerate to Mach 3 (3704 kph) and up to Mach 4.15 (5124 kph) in the terminal stage. The Kh-32 has a maximum range of 1000 kilometers, and its radar seeker can lock on to its target at ranges varying between 200-300 kilometers, while the Kh-22 has a range of 80-330 kilometers. The Kh-22 missile operated at fixed frequencies, making it vulnerable to radar jamming; however, the new Kh-32 is equipped with a multi-frequency radar seeker, which is less susceptible to radar jamming. After it is launched, the Kh-32 soars to an altitude of around 40 kilometers, exits the stratosphere, then vertically dives down on the target, making it extremely difficult to shoot down.</p> <p><i>(Vollständiger Artikel abrufbar unter: https://eurasiantimes.com/russian-tupolev-bombers-firing-new-kh-32-anti-ship-missiles-ukraine/)</i></p>
<p>bulgarianmilitary.com 26.10.2022</p>	<p>TUR: Aselsan shows a GP bomb piercing a meter of reinforced concrete</p>	<p>The fighter jets and helicopters of the Turkish Army and Turkish Air Force will be armed with a new locally produced bomb in the future. Aselnas, the largest Turkish manufacturing company in the field, displayed the latest air-launched bomb, the Tolun IIR.</p> <p>The Tolun IIR is a general-purpose [GP] bomb. In Turkey, they have already begun to designate the Tolun IIR as the local equivalent of the American Mark Mk-81 bomb, also known by the nickname Firecracker. Turkish air aces will be able to arm their fighters with up to eight such bombs per aircraft. I.e. two sets of four bombs per wing mount. The Tolun IIR is equipped with an infrared head, as the name [IIR] indicates, they additionally have GPS/INS guidance. The Tolun IIR is designed to engage both stationary and moving targets.</p> <p>One meter of reinforced concrete penetrates this bomb, Turkish media claim. This means that this so-called mini-bomb will be very effective against enemy positions, buildings, underground bunkers, hideouts, and caves.</p>

		<p>Turkey intends to arm its drones with the Tolun IIR as well. Bayraktar TB2 and Akinci, if they are deadly today, they will be even more so tomorrow. As they say in such moments: the devil is in the details.</p> <p>Aselsan is expected to integrate a dual bomb release system very soon. According to Turkish sources, the range of this weapon is under suitable weather conditions 100 km.</p>
<p>eurasianimes.com 25.10.2022</p>	<p>RUS: Russia Relies Heavily On Kh-29 Missiles For Precision Strikes On Ukraine Amid Claims Of Production Upswing</p>	<p>Russia appears to be relying heavily on its Kh-29 missile for precision attacks on Ukraine along the frontline where it dominates the skies, going by the number of times the missile is seen in video footage of Russian air operations released by the Russian MoD.</p> <p>A video released by the Russian MoD on October 24 shows a Su-34 fighter bomber attacking a target from medium altitude with Kh-29 missiles. “The high-precision air-to-surface missile is designed for destroying strong points and fortifications,” says the Russian MoD. In the video, a Su-34 is seen carrying 2 Kh-29 missiles on its inner pylons and 2 RVV-MD close combat missiles on its outer pylons. The latter is for self-defense in case of a chance encounter with a Ukrainian fighter. After the attack, the Su-34 is seen landing back at the base, still carrying the RVV-MD missiles.</p> <p><i>(Vollständiger Artikel abrufbar unter: https://eurasianimes.com/russia-relies-heavily-on-kh-29-for-precision-attacks-amid-war/)</i></p> <p><i>(Video Russian MoD showing Su-34 Bomber launching Kh-29 Air-to-ground Missile on Ukraine abrufbar unter: https://www.youtube.com/watch?v=yPOBfHtGPu0)</i></p>
<p>janes.com 25.10.2022</p>	<p>USAF: USAF launches JASSM New Variant missile</p>	<p>The US Air Force has launched an effort to develop a new version of the AGM-158 Joint Air-to-Surface Stand-off Missile (JASSM), posting a sole source notification of a contract award to Lockheed Martin on 20 October. Announced on the sam.gov US government procurement website, the JASSM New Variant is a classified version of the air-launched weapon that will feature “added capabilities” over the currently fielded AGM-158A JASSM and the AGM-158B JASSM Extended Range (ER). No further details were disclosed, with the accompanying attachment for the notification being restricted by the Department of Defense (DoD).</p> <p>The baseline JASSM is a stealthy next-generation stand-off weapon that features a low-wing design (swept back for carriage) with a rounded rectangular body and a single vertical tail (folded for carriage).</p>
<p>raf.mod.uk 22.10.2022</p>	<p>GBR/RAF:</p>	<p>RAF Typhoon and Lightning jets have successfully conducted their largest ever mass firing of Advanced Short Range Air-to-Air Missiles (ASRAAM). Over the space of 10 days, pilots from eight different squadrons</p>

	RAF Typhoon and Lightning aircraft conduct major missile training exercise	successfully launched a total of 53 missiles at target drones. The Missile Practice Camp took place over the sea in the Hebrides Air Weapon Ranges last month and was the largest mass firing of the infra-red guided Advanced Short Range Air-to-Air Missiles from Typhoon and F-35B Lightning II. Typhoon pilots from 1(F), II(AC), 6 and IX(B) Squadrons based at RAF Lossiemouth, as well as from 3(F), and 41 Test & Evaluation Squadron at RAF Coningsby, worked with Lightnings from 207 and 617 Squadrons based at RAF Marham in the event. The training has proved the impressive capability of Advanced Short Range Air-to-Air Missiles across both RAF combat air platforms, providing training and real-world feedback by destroying Banshee drone targets.
defense.gov 21.10.2022	USN: Lot 15-16 gun pod containers in support of F-35 Lightning II aircraft	Lockheed Martin Corp. is awarded a \$12,052,847 firm-fixed-price modification (P00006) to an order (N0001921F0398) against a previously issued basic ordering agreement (N0001919G0008). This modification adds scope to procure Lot 15-16 gun pod containers in support of F-35 Lightning II aircraft ancillary mission equipment for the Navy, Marine Corps, non-U.S. Department of Defense (DOD) partners, and Foreign Military Sales (FMS) customers. Work is expected to be completed in February 2026.
		Command, Control, Computers, Communications, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR)
defbrief.com 02.11.2022	SWE: Sweden's new spy ship sets off for sea trials	<p>The Swedish Navy's new signals intelligence ship HMS Artemis has begun sea trials from Saab's Karlskrona yard ahead of its delivery to the armed forces. HMS Artemis was launched in April 2019, after the Swedish defense ministry awarded Saab the contract to design and build the ship in 2016. The ship had initially been expected to be commissioned in 2020, but the delivery has been delayed, which forced the Swedish defense ministry to extend the service life of HMS Orion, Sweden's current spy ship. HMS Orion has been in service since the 1980s, providing the country with intelligence on events in the Baltic Sea. At 74 meters long, HMS Artemis is more than 10 meters long than its predecessor and displaces 2,200 tons</p> <p>Sweden is not alone in having signals intelligence vessels in and around the Baltic Sea. For example, Russia, Germany and Poland have signals intelligence vessels that monitor exercises and movements in the region.</p>

defense.gov 02.11.2022	USN: E-2D Advanced Hawkeye	Northrop Grumman Systems Corp. is awarded a \$24,955,241 firm-fixed-price, cost-plus-fixed-fee modification (P00001) to an order (N0001922F2530) against a previously issued basic ordering agreement (N0001920G0005). This modification adds scope for fabrication and installation support to retrofit the Delta System Software Configuration 4.0 capabilities, to include tactical targeting network technology and the beyond line of sight in the E-2D Advanced Hawkeye aircraft. Work is expected to be completed in September 2025.
scmp.com 01.11.2022 06 :00	CHN : Could China’s twin-seat stealth fighter become a weapon in information warfare	The twin-seater version of the J-20 fighter jet could be used as a tactical electronic jammer and an enhanced early warning aircraft in information warfare, according to a Chinese military magazine. It was previously thought that the two-seat stealth fighter would mainly be used to command a swarm of drones. The J-20 “Mighty Dragon”, which entered service in 2017, is an all-weather stealth fighter with precision strike capabilities. The first prototype of the twin-seat J-20 was unveiled in October last year, and a second prototype was unveiled in August this year. <i>(Vollständiger Report abrufbar unter: https://www.scmp.com/news/china/military/article/3197877/could-chinas-twin-seat-stealth-fighter-become-weapon-information-warfare)</i>
lockheedmartin.com 27.10.2022	USARMY : U.S. Army’s Q-53 Multi- Mission Radar Demonstrates Counter- UAS Mission	The U.S. Army’s AN/TPQ-53 (Q-53) Multi-Mission Radar (MMR) successfully integrated with an Army command and control system and provided tracking data to launch a counter unmanned aerial system (C-UAS) defeat system in Yuma, Arizona. The rapidly deployable Q-53 radar, which is ideal for the C-UAS mission, is developed and manufactured by Lockheed Martin (NYSE: LMT) in Syracuse, New York. <i>(For more information, visit the website, www.lockheedmartin.com/q53)</i>
scramble.nl 25.10.2022	JPN: Further JASDF E-2D Hawkeyes deliveries	The fifth and sixth E-2D Hawkeye Airborne Early Warning (AEW) aircraft for the Japan Air Self-Defense Force (JASDF) were shipped to MCAS Iwakuni aboard the cargo vessel Ocean Gladiator, all wrapped up in white protective plastic.

		Cyber-, Laser- und Electromagnetic-Warfare
japantimes.co.jp 30.10.2022	JPN : Japan plans to boost cyberdefense personnel to 5,000 by fiscal 2027	The Defense Ministry is planning to boost its cyberdefense personnel more than fivefold to up to 5,000 by fiscal 2027 in response to increasing efforts by China and other countries to bolster their cyberwarfare capabilities, a source familiar with the matter said Saturday. The ministry looks to expand its "core staff" for dealing with cyberattacks, including those of the Self-Defense Forces' newly launched cyber defense unit, to around 890 in fiscal 2022 and further to 4,000 to 5,000 by fiscal 2027, the source said. The SDF set up the new unit with 540 members and the Ground, Maritime and Air SDF have their own cybersecurity operations.
rheinmetall.com 27.10.2022	DEU: Bundeswehr testet Hochenergielaserwaffe erstmals im Einsatz gegen Drohnen	<p>Erstmals in ihrer Geschichte hat die Bundeswehr im August 2022 von einem deutschen Kriegsschiff eine Laserwaffe erfolgreich eingesetzt. Im Rahmen von Erprobungen bekämpfte die Fregatte Sachsen am 30.08.2022 auf See vor dem Truppen-übungsplatz in Putlos erfolgreich Drohnen im Nah- und Nächstbereich. Verantwortlich für die Entwicklung des Laserwaffendemonstrators ist die Arbeitsgemeinschaft (ARGE) Hochenergielaser Marinedemonstrator, bestehend aus MBDA Deutschland GmbH und Rheinmetall Waffe Munition GmbH.</p> <p>Ein zukünftiges Hochenergielaser (HEL)-Waffensystem für die Marine eignet sich insbesondere zur Abwehr von Drohnen, Drohnenschwärmen oder angreifenden Schnellbooten im Nah- und Nächstbereich. Es kann aber auch leistungsfähiger ausgestattet werden und zur Zerstörung von Lenkflugkörpern oder Mörsergranaten eingesetzt werden.</p> <p><i>(Vollständige Medienmitteilung abrufbar unter:</i> https://rheinmetall.com/de/rheinmetall_ag/press/news/latest_news/index_35584.php<i>)</i></p>
en.yna.co.kr 24.10.2022 11 :23	USA/KOR : S. Korea to participate in U.S.-led cyber exercise for 1st time	South Korea's military is set to participate in a U.S.-led multinational exercise on cyber operations this week, the defense ministry said Monday, amid growing security threats from North Korea. Eighteen personnel from the South's military will join the Cyber Flag exercise to be held from Monday to Friday in Virginia, according to the ministry. Since 2011, the U.S. Cyber Command has conducted the exercise annually to enhance the readiness of Washington and its allies against malicious cyber activities. The exercise, which includes both seminars and cyber field training, will be joined by 25 countries this year.
tasnimnews.com 23.10.2022	IRN:	An Iranian deputy defense minister highlighted the country's great progress in the air defense industry, saying the military forces have jammed a hostile reconnaissance aircraft at a distance of 400 kilometers. Afshin Naderi

16 :54	Iran Jams Enemy's Aircraft from 400 km Away: Official	Sharif, the Iranian defense minister's deputy for industrial and research affairs, said local air defense forces have made such significant progress in recent years that a hostile aerial object cannot easily enter the country's airspace without being detected.
		Boden- und seegestützte Luftverteidigungssysteme
jpost.com 29.10.2022 09:10	ARE: Satellite images show Israeli missile system deployed in UAE against Iranian threats	Satellite images taken over the United Arab Emirates show at least two Israeli Barak-8 air defense systems to defend against a range of aerial threats launched by Iran. According to satellite images released by Tactical Report, which covers events in the Gulf States and Middle East, the batteries and an Elta EL/M-2084 radar have been deployed near al-Dhafra airbase near Abu Dhabi. <i>(Vollständiger Report abrufbar unter: https://www.jpost.com/middle-east/article-720935)</i>
defense.gov 26.10.2022	DEU: Rolling Airframe Missile (RAM) Block 2B Guided Missile Round Pack (GMRP)	RAM-System GmbH (RAMSYS), Germany is awarded a €277,836,839 and \$206,568,496 firm-fixed-price contract for fiscal 2023 procurements for Rolling Airframe Missile (RAM) Block 2B Guided Missile Round Pack (GMRP) and spare replacement components for RAM Block 2 recertification. This contract is a 100% purchase for the German navy under a cooperative memorandum of understanding (MOU). Work is expected to be completed by March 2029.
defensenews.com 25.10.2022 09:37 PM	USA/UKR: Ukraine-bound NASAMS are in US hands now: Raytheon	Raytheon Technologies has delivered two sophisticated NASAMS air defense systems due for Ukraine to United States government, its chief executive said Tuesday. "We delivered two of them to the government a couple of weeks ago. They're being installed in Ukraine [imminently]," CEO Greg Hayes said on CNBC's "Squawk on the Street." "It is a short-range air defense system, and it can fire [an AIM-120 Advanced Medium-Range Air-to-Air Missile] and it could knock down everything in the sky from drones to ballistic missiles to fighter jets," Hayes said. The Norwegian-developed weapons will provide medium- to long-range defense against Russian attacks, which bombarded Ukraine's civilian infrastructure over the last two weeks, including its power grid, using missiles

		and drones. The U.S. has pledged to deliver two NASAMS within weeks and six more over a longer time frame. Pentagon officials have said the first NASAMS were able to be purchased quickly because the the bulk of the systems had already been produced.
taiwannews.com.tw 22.10.2022 20:42	TWN/USA: Taiwan expects Stinger deliveries from US to be completed in 2025	The delivery of portable Stinger missile launchers from the United States is likely to be completed during 2025, reports said Saturday (Oct. 22). Earlier in the year, reports had hinted at delays mainly due to U.S. arms supplies to the Ukraine taking priority. The military emphasized that deliveries from the U.S. would not be delayed, and that the 250 Stinger missiles it had ordered, were even likely to be delivered by the end of 2025, earlier than first expected.
kam.lt 21.10.2022	LTU: Lithuania acquires air defence weaponry	<p>The Defence Materiel Agency under the Ministry of National Defence has signed a contract with Sweden’s SAAB Dynamics AB on acquisition of Bolide and MK-2 type guided missiles for RBS-70 short-range anti-aircraft defence system. The procured missiles will ensure a more effective execution of air defence tasks. The MK-2 altitude and distance ranges up to 4 km and 7km respectively, the missiles are used by a number of other NATO allies. The Bolide missiles are an advance version of the MK-2, the improved engine adds speed and maneuver, as well as expands the altitude and distance parameters. The value of the contract totals up to approx. EUR 45 million.</p> <p>RBS-70 systems are used by the Lithuanian Air Defence Battalion. The short-range system was picked for its undemanding operation, mobility and being completely mechanical and electromagnetic interference-proof. The war in Ukraine has shown that air defence is critical. Lithuania further strengthens its air defence by signing a deal with @Saab for “Bolide” & “MK-2” missiles for the air defence missile system RBS-70.</p>
scmp.com 20.10.2022 09:30	TWN/USA: Taiwan and US sign deal to maintain island’s air defence systems	<p>Taiwan has signed a NT\$2.49 billion (US\$77.8 million) technical service contract with the United States to better maintain the performance of its Patriot air-defence systems in intercepting missiles from the People’s Liberation Army. Under the five-year contract, which runs through the end of 2027, the US will send technicians and experts from defence contractors Lockheed Martin and Raytheon Technologies to Taiwan, according to a government notice.</p> <p>With their advanced hit-to-kill technology, PAC-3 missiles are more effective than older PAC-2 weapons in intercepting tactical ballistic and cruise missiles. The island began deploying PAC-3 missiles in 2007 as it upgraded its PAC-2 missile systems bought from Lockheed Martin in the late 1990s. According to Taiwan’s semi-official Central News Agency, the island’s current array of MIM-104-type missiles consists of MIM-104F and Patriot guidance enhanced missiles, both retrofitted from MIM-104C missiles. MIM-104F missiles are</p>

		<p>capable of intercepting ballistic missiles, with the MSE variant featuring a longer range than the standard version, the agency said.</p> <p><i>(Kurzbeschreibung PAC-3 abrufbar unter: https://www.lockheedmartin.com/en-us/products/pac-3-advanced-air-defense-missile.html)</i></p>
<p>diehl.com 17.10.2022</p>	<p>UKR: Diehl Defence, Hensoldt and Airbus delivered GBDA System IRIS-T SLM to Ukraine</p>	<p>Together with its partners HENSOLDT and Airbus, the general contractor Diehl Defence delivered a combat unit of the ground-based air defence system IRIS-T SLM to Ukraine. After the signing of the contract for this combat unit in June 2022, this rapid fulfillment of the delivery obligation is an exceptional industrial performance of the partners. Further IRIS-T SLM systems for Ukraine will follow as quickly as the industrial process will allow. Diehl Defence is the general contractor and system integrator for IRIS-T SLM and also delivers the launcher as well as the missiles. HENSOLDT contributes the multifunctional radar TRML-4D. The Integrated Battle Management Software Fire Control (IBMS-FS) for the tactical operation center is from Airbus.</p> <p>Diehl Defence, HENSOLDT and Airbus have been cooperating in the field of ground-based air defence for a long time and offer, among others, the IRIS-T SLM system that is designed for medium ranges, of 40 km distance and 20 km altitude. Diehl Defence is currently developing the system IRIS-T SLX which is characterized by a performance increase. It features a larger range (up to 80 km) and altitude coverage (up to 30 km) and thus extends reaction and warning times and improves the protection perimeter. Here, as well, HENSOLDT and Airbus are partners of Diehl Defence.</p>
		<p>Boden- und seegestützte Einsatzkräfte, Strategische Kampfmittel und Space Forces</p>
<p>dailysabah.com 03.11.2022 04:44 PM GMT+3</p>	<p>TUR/IDN: Türkiye to export long-range artillery missile Khan to Indonesia</p>	<p>Major Turkish defense manufacturer Roketsan announced its first export deal for the land-to-land, long-range artillery system Khan to Indonesia, a company official said Thursday. This system is an important weapon system that is effective with a range of up to 280 kilometers (173.98 miles) and high precision. The Khan missile can be launched from an 8x8 Multi-Barrel Rocket Launcher (MBRL), according to the company's website. It can also be launched from other tactical wheeled vehicle platforms with integration-compatible interfaces, per the different needs of customers.</p>

<p>dsca.mil 02.11.2022</p>	<p>FIN: Guided Multiple Launch Rocket Systems (GMLRS)</p>	<p>The State Department has made a determination approving a possible Foreign Military Sale to the Government of Finland of Guided Multiple Launch Rocket Systems (GMLRS) and related equipment for an estimated cost of \$535 million</p> <p>The Government of Finland has requested to buy one hundred fifty (150) M30A1 Guided Multiple Launch Rocket System (GMLRS) Alternative Warhead (AW) (Steel Case), or M30A2 Guided Multiple Launch Rocket System (GMLRS) Alternative Warhead (AW) Missile Pods with Insensitive Munitions Propulsion System (IMPS), or a combination of both; and two hundred fifty (250) M31A1 GMLRS Unitary (GMLRS-U) Warhead (Steel Case), or M31A2 GMLRS-U IMPS, or a combination of both. Also included is a Quality Assurance Team (QAT); transportation services; and other related elements of program and logistics support. The total estimated cost is \$535 million.</p>
<p>pib.gov.in 02.11.2022 06:20 PM</p>	<p>IND: DRDO conducts successful maiden flight-test of Phase-II Ballistic Missile Defence interceptor off Odisha coast</p>	<p>Defence Research & Development Organisation (DRDO) conducted a successful maiden flight-test of Phase-II Ballistic Missile Defence (BMD) interceptor AD-1 missile with large kill altitude bracket from APJ Abdul Kalam Island off the coast of Odisha on November 02, 2022. The flight-test was carried out with participation of all BMD weapon system elements located at different geographical locations. The AD-1 is a long-range interceptor missile designed for both low exo-atmospheric and endo-atmospheric interception of long-range ballistic missiles as well as aircraft. It is propelled by a two-stage solid motor and equipped with indigenously-developed advanced control system, navigation and guidance algorithm to precisely guide the vehicle to the target.</p> <p>During the flight-test, all the sub-systems performed as per expectations and were validated by the data captured by a number of range sensors including Radar, Telemetry and Electro Optical Tracking stations deployed to capture the flight data.</p>
<p>taiwannews.com.tw 31.10.2022 14:27</p>	<p>TWN: Defense minister refutes rumors of delayed Javelin missile shipments</p>	<p>During the budgetary meeting, Army Chief of Staff Chang Yuan-hsun (章元勳) said that the 460 TOW missiles will be delivered in batches before 2024, while the first batch of 400 Javelin missiles will be delivered before the end of this year, per Liberty Times. The Javelins will be sent to Army units around Taipei, southern Taiwan, and on the outlying islands.</p>
<p>reuters.com 28.10.2022 03:22 AM GMT+2</p>	<p>JPN/USA: Japan in late-stage talks with U.S. for Tomahawk purchase</p>	<p>Japan is in the final stages of negotiations with the United States to buy U.S.-made Tomahawk cruise missiles, the Yomiuri daily reported on Friday, citing multiple unnamed Japanese government sources. Tomahawks can hit targets from more than 1,000 km (620 miles) away, putting parts of China and the Russian Far East within</p>

		range. Tokyo is seeking its biggest arms buildup since World War Two in the face of Beijing's rapid military modernisation and increased activity in nearby waters.
beyondparallel.csis.org 11/2022	PRK: Dramatic Progress of New Construction at the Sohae Satellite Launching Station	A new CSIS Beyond Parallel update shows significant progress in the construction of North Korea's Sohae Satellite Launching Station. <i>(Vollständiger Bericht abrufbar unter:</i> https://beyondparallel.csis.org/dramatic-progress-of-new-construction-at-the-sohae-satellite-launching-station/ <i>)</i>
news.usni.org 25.10.2022 05:34 PM	RUS/UKR: Russian Sea-Based Kalibr Cruise Missiles Part of New Round of Strikes in Ukraine	Russia has continued to use long-range cruise missiles fired from ships in the Black Sea to hit civilian targets in Ukraine over the last several weeks, a Pentagon spokesman told reporters on Tuesday. According to ship spotters, the Russian Navy has six surface ships in the Black Sea – two Grigorovich-class frigates and four Buyan-M corvettes – that can fire the Kalibr-class cruise missiles. There are also six Kilo-class diesel-electric attack submarines that are able to launch the missiles, which have a range of about 1,000 nautical miles, USNI News understands. Russians have used the Kalibrs since the 2010s. The first reported use of the missile in combat was from the Caspian Sea in 2015 against Islamic State targets.
scmp.com 20.10.2022	CHN: Chinese physicists simulate nuclear blast against satellites	Computer experiment suggests warhead detonated in near space could disable threats such as Elon Musk's Starlink satellites. A nuclear blast in near space could create a radioactive cloud over an area as big as New York state, crippling or destroying satellites in near-Earth orbit, according to a new computer simulation conducted by a team of Chinese military scientists. At the Northwest Institute of Nuclear Technology, a research institute run by the People's Liberation Army in Xian, researchers developed a model that can evaluate the performance of nuclear anti-satellite weapons at different altitudes and yields with unprecedented detail and accuracy. The simulation results suggest that a 10-megaton warhead – modestly powerful by today's standards – could create a serious threat to satellites if it detonates at an altitude of 80km (50 miles). <i>(Vollständiger Artikel abrufbar unter:</i> https://www.scmp.com/news/china/science/article/3196629/chinese-physicists-simulate-nuclear-blast-against-satellites <i>)</i>

economictimes. indiatimes.com 21.10.2022 04:01 PM IST	IND: India successfully test fires medium-range ballistic missile	India on Friday successfully test-fired indigenously-developed new generation medium-range ballistic missile Agni Prime from the Odisha coast, Defence Research and Development Organisation (DRDO) sources said. The sleek missile was test fired from a mobile launcher from the APJ Abdul Kalam Island around 9.45 am, they said. The solid-fuelled canisterised missile met all mission parameter during the test, they added. All its navigation was tracked and monitored by radars and telemetry equipment positioned along various points, the officials said. The missile's stroke range is between 1,000 km and 2,000 km, they said.
defense.gov 21.10.2022	USARMY: GMLRS	Lockheed Martin Corp. was awarded a \$476,814,000 hybrid (cost-plus-fixed-fee and firm-fixed-price) contract for the Guided Multiple Launch Rocket System. Work has an an estimated completion date of Aug. 15, 2025. <i>(Fast facts Multiple Launch Rocket System® M270 abrufbar unter:</i> https://www.lockheedmartin.com/content/dam/lockheed-martin/mfc/documents/mlrs-m270/mfc-m270-fact-sheet.pdf
		Air Power
taiwannews.com.tw 04.11.2022 09:58	TWN/CHN: Taiwan tracks 9 Chinese military aircraft, 3 naval ships around country	The Ministry of National Defense (MND) tracked nine Chinese military aircraft and three naval vessels around Taiwan as of 5 p.m. on Thursday (Nov. 3).
jpost.com 04.11.2022 05:20 AM	ISR: IDF strikes Gaza targets after earlier missile strike	The IDF launched airstrikes against Hamas underground rocket development and production complex targets in the Gaza Strip in response to earlier rocket fire toward Israel, the IDF announced early on Friday morning. The IDF said that the airstrikes "will lead to damage to the terrorist organization's attempts to strengthen and arm itself with rockets." "Hamas bears responsibility for what is happening in the Gaza Strip - and it is [Hamas] that will pay the price for the security violations against the State of Israel." Several hours prior to the retaliatory airstrikes, Palestinian Islamic Jihad launched four rockets toward Israeli territory in what it claimed was "a response to the assassination of the commander of the Al-Quds Brigades in Jenin," according to Ynet.

		<p><i>(Ergänzende Information timesofisrael.com vom 04.11.2022 04:00 AM: It published a satellite photo of what it said was the site, showing an area near several buildings and agricultural plots on the northwest edge of the al-Maghazi refugee camp in central Gaza. It said it was the third such facility hit since April. The Palestinian Shehab news agency said a "resistance site" in al-Maghazi had been hit. Photos shared on social media showed fireballs and smoke in Gaza from the airstrikes. Successive strikes could be seen hitting the same area repeatedly in unverified video footage as jets were heard screaming overhead. One rocket was intercepted by the Iron Dome air defense system over a border town, and the other three fell short in the Strip, according to the Israeli military.)</i></p>
<p>en.yna.co.kr 03.11.2022 11:48</p>	<p>KOR/PRK: N. Korea's ICBM launch seems to have ended in failure: source</p>	<p>North Korea fired an intercontinental ballistic missile (ICBM) and two short-range ones toward the East Sea on Thursday, South Korea's military said. The ICBM was launched from the Sunan area in Pyongyang at around 7:40 a.m. and flew about 760 kilometers at an apogee of around 1,920 km at a top speed of Mach 15, according to the Joint Chiefs of Staff (JCS). Following the second stage separation, however, the missile seems to have failed in normal flight, a defense source said later on background. It marked the North's seventh firing of an ICBM this year and the first since late May.</p> <p>The JCS also said it detected the firing of two short-range ballistic missiles (SRBMs) from Kaechon in South Pyongan Province from around 8:39 a.m. They traveled some 330 km at a maximum altitude of around 70 km at a top speed of Mach 5, it said.</p> <p><i>(Ergänzende Information en.yna.co.kr vom 03.11.2022 11:48: On Thursday night, the North fired three short-range ballistic missiles into the East Sea apparently in protest against the extension of the joint air drills through Saturday.)</i></p>
<p>taiwannews.com.tw 03.11.2022 10:12</p>	<p>TWN/CHN: Taiwan tracks 6 Chinese military aircraft, 3 naval ships around country</p>	<p>The Ministry of National Defense (MND) tracked six Chinese military aircraft and three naval vessels around Taiwan as of 5 p.m. on Wednesday (Nov. 2).</p>
<p>en.yna.co.kr 02.11.2022 20:00</p>	<p>KOR/PRK: N. Korea's missile flies across NLL for 1st time; S. Korea sends missiles northward in its show of force</p>	<p>North Korea launched a barrage of missiles Wednesday, including one that flew across its de facto maritime border with South Korea for the first time since the end of the 1950-53 Korean War, according to the South's military. In response, South Korea's fighter jets fired three precision-guided missiles into waters north of the Northern Limit Line (NLL).</p> <p>The Joint Chiefs of Staff (JCS) said it detected the North's firing of three short-range ballistic missiles (SRBMs) from a site in or around the North's eastern coastal city of Wonsan at around 8:51 a.m. One of them landed</p>

		<p>near South Korea's territorial waters, further raising tensions around the inter-Korean border. It marked the first time since the two Koreas' division that the North sent a ballistic missile southward past the NLL.</p> <p>Its latest provocation came in apparent protest of the five-day large-scale combined air drills of South Korea and the United States that kicked off Monday amid growing speculation that Pyongyang may conduct a nuclear test soon.</p> <p>One of the three SRBMs fell into high seas 26 kilometers south of the NLL, an area 57 km east of the South's eastern city of Sokcho and 167km northwest of Ulleung Island near Dokdo. It headed toward the island before falling into the international sea, prompting local authorities to issue an air raid alert. Two other SRBMs traveled into the East Sea. They were among the more than 20 missiles that the North fired over a span of more than 10 hours, according to the South's military.</p> <p>The North first fired four SRBMs into the Yellow Sea at 6:51 a.m., then fired the three SRBMs into the East Sea two hours later. Starting at 9:12 a.m., Pyongyang launched more than 10 missiles, including those presumed to be SRBMs and surface-to-air missiles, off its east and west coasts. From 4:30 p.m. to 5:10 p.m., it fired six more missiles, including suspected surface-to-air ones, into the East and Yellow Seas.</p> <p>The South Korean military also spotted more than 100 artillery shells lobbed from the North's Kosong County, Kangwon Province, into the eastern maritime buffer zone at around 1:27 p.m. The buffer zone was set under the 2018 inter-Korean military agreement.</p> <p>In response to the North's provocations, South Korea's F-15K and KF-16 warplanes fired three precision strike air-to-surface SLAM-ER missiles into high seas north of the NLL from 11:10 a.m. The South's missiles landed in a location north of the NLL at a distance almost equivalent to that of the North's missile that dropped south of the de facto border, the JCS said.</p>
<p>taiwannews.com.tw 02.11.2022 11:00</p>	<p>TWN/CHN: Taiwan tracks 8 Chinese military aircraft, 3 naval ships around country</p>	<p>The Ministry of National Defense (MND) tracked eight Chinese military aircraft and three naval vessels around Taiwan as of 5 p.m. on Tuesday (Nov. 1).</p> <p>Last month, Beijing sent 420 military aircraft and 103 naval ships around Taiwan. Since September 2020, China has increased its use of gray zone tactics by routinely sending aircraft into Taiwan's air defense identification zone.</p>

e.defenseone.com 01.11.2022 16:16 MN	UKR: The drone war is expanding in Ukraine	Ukraine is preparing for a "war of drones," including drones that can kill other drones in the sky. "This is the next stage in the development of ideas," the head of Ukraine's Ministry of Digital Development, 31-year-old Mikhail Fedorov, said in a lengthy interview published Monday by Forbes. Kyiv is racing to stand up its own "army of drones." According to Fedorov, "Now there are contracts for 1,033 drones," he told Forbes. "About 70% of them have already been received. The rest will be delivered by the end of the year." Ukraine already uses "about 20 FlyEye [UAV systems] that are quite important for our artillery," he said. And indeed, that was one of the primary uses for the systems early on. Since Russia invaded Ukraine back in late February, "There has been a real professionalization of the use of commercial drones in both Ukrainian and Russian military forces.
e.defenseone.com 31.10.2022	RUS/UKR: Day 250 of Russia's Ukraine invasion	After a barrage of new airstrikes, 80% of Kyiv is without running water to start the week Monday. The wave of Russian strikes hit critical infrastructure sites at several of Ukraine's most populous cities, and also knocked out electricity yet again for families across the eastern European nation. This latest barrage began at around 7 a.m. local, and involved "more than 55 Kh101/Kh-555 cruise missiles" allegedly launched from Russian Tu-95 and Tu-160 bombers flying "north of the Caspian Sea and from the Volgodonsk," or Rostov regions of Russia, Ukraine's military said Monday. Missiles and drones hit 10 regions, where 18 objects were damaged, most of them energy-related. Some missiles even targeted the far-western city of Lviv, but those were allegedly among the 45 shot down.
taiwannews.com.tw 31.10.2022 10:02	TWN/CHN: Taiwan tracks 8 Chinese military aircraft, 3 naval ships around country	The Ministry of National Defense (MND) tracked eight Chinese military aircraft and three naval ships around Taiwan as of 5 p.m. on Sunday (Oct. 30). Of the eight People's Liberation Army (PLA) aircraft, one Sukhoi Su-30 fighter jet crossed the Taiwan Strait median line in the northeast sector of the nation's air defense identification zone (ADIZ), according to the MND.
jpost.com 29.10.2022 10:01	RUS: Russian forces repelled drone attack on Crimea, Russian-installed official says	Russian naval forces repelled a drone attack in the Bay of Sevastopol, where the Black Sea Fleet is headquartered, on the annexed Crimean peninsular, the Russian-installed governor of Sevastopol, Mikhail Razvozhayev said on Saturday. "Ships of the Black Sea Fleet repelled a drone attack in the waters of the Sevastopol Bay, nothing has been hit in the city." Local officials said ferries and boats had temporarily stopped crossing the Bay of Sevastopol. <i>(Ergänzende Information spiegel.de vom 29.10.2022 17:23: Zu dem Angriff auf der Krim erklärte das russische Ministerium: »Heute Morgen um 4.20 Uhr ist vom Kiewer Regime ein Terroranschlag auf die Schiffe der Schwarzmeerflotte verübt worden.« Insgesamt hätten 16 Drohnen Sewastopol angegriffen, die meisten seien aber abgefangen worden. Die Angaben ließen sich nicht unabhängig überprüfen. Aus ukrainischen Kreisen hieß es hingegen, mehrere russische Schiffe seien in Sewastopol getroffen worden. Dazu zählten eine Fregatte und ein Landungsschiff, wie</i>

		<i>der Berater des ukrainischen Innenministeriums, Anton Gerashchenko, twitterte. Verantwortung für die Angriffe übernahm Kiew bisher nicht.)</i>
reuters.com 28.10.2022 12:42 PM GMT+2	UKR/RUS: Ukraine has shot down more than 300 Iranian-made drones - air force spokesman	Ukraine has shot down more than 300 Iranian Shahed-136 'kamikaze' drones so far, air force spokesman Yuriy Ihnat told a briefing on Friday. The drones have become a key weapon in Russia's arsenal during its war in Ukraine and have often been used in the past month to target crucial energy infrastructure. Iran has denied Ukrainian and Western accusations that it is supplying drones to Russia.
en.yna.co.kr 28.10.2022 15:44	PRK/KOR: N. Korea fires 2 short-range ballistic missiles toward East Sea	North Korea fired two short-range ballistic missiles (SRBMs) toward the East Sea on Friday, the South Korean military said, as Seoul's major military exercise drew to a close. The Joint Chiefs of Staff (JCS) said it detected the launches from the Tongchon area in Kangwon Province between 11:59 a.m. and 12:18 p.m., and that the missiles flew some 230 kilometers at apogees of around 24 km at top speeds of around Mach 5. Friday's launches took place north of a "buffer zone" set under a 2018 inter-Korean military accord aimed at reducing cross-border tensions, a JCS official said, indicating they did not violate the accord. The North last fired an SRBM on Oct. 14.
taiwannews.com.tw 28.10.2022 10:04	TWN/CHN: 20 Chinese warplanes, 2 warships tracked around Taiwan	Taiwan's Ministry of National Defense (MND) tracked 20 Chinese military aircraft and two naval vessels around the country, including nine warplanes that intruded on Taiwan's air defense identification zone (ADIZ) with many crossing the median line Thursday (Oct. 27). The MND said that 20 People's Liberation Army Air Force (PLAAF) military aircraft and two People's Liberation Army Navy (PLAN) vessels had been tracked around Taiwan as of 5 p.m. that evening. Of the aircraft, nine had intruded on the ADIZ. The aircraft included two Xi'an JH-7 fighter-bombers, five Shenyang J-16 fighter jets, one Harbin BZK-005 reconnaissance drone, and one Shaanxi KJ-500 airborne early warning and control aircraft (KJ-500 AEW&C). Of these, two JH-7 fighter-bombers, the Harbin BZK-005 reconnaissance drone, and an undetermined number of Shenyang J-16 fighter jets crossed the median line or its outer edge. The remaining aircraft penetrated the southwest corner of the ADIZ just to the northeast of Dongsha Island.
taiwannews.com.tw 27.10.2022 12:15	TWN/CHN: 22 Chinese warplanes, 3 warships tracked around Taiwan	Taiwan's Ministry of National Defense (MND) tracked 22 Chinese military aircraft and three naval vessels around the country, including nine warplanes that intruded on Taiwan's air defense identification zone (ADIZ) Wednesday (Oct. 26). As of 6:50 p.m., the MND said that 22 People's Liberation Army Air Force (PLAAF) military aircraft and three People's Liberation Army Navy (PLAN) vessels had been tracked around Taiwan. Of the aircraft, nine had penetrated the southwest corner of the ADIZ. The aircraft included three Shenyang J-16

		fighter jets, two Shenyang J-11 fighters, one Shaanxi Y-8 anti-submarine warfare plane, one Shaanxi Y-8 electronic warfare plane, one Guizhou BZK-007 reconnaissance drone, and one Guizhou WZ-7 Soaring Dragon reconnaissance drone.
defence-blog.com 27.10.2022	USAF/USN: US Air Force B-1B bombers take part in naval mine exercise	<p>On Thursday, the U.S. Air Force release said that B-1B Lancer bombers from the 37th Expeditionary Bomb Wing, Ellsworth Air Force Base, South Dakota, integrated with U.S. Naval forces over the Indo-Pacific region to conduct a naval mine exercise (MineX) during a Bomber Task Force mission at Andersen Air Force Base, Oct. 24. According to the press release, bomber missions contribute to Joint Force lethality and deter aggression in the Indo-Pacific region by demonstrating the Air Force’s ability to operate anywhere in the world at any time in support of the National Defense Strategy.</p> <p>“MineX missions require close coordination and integration between the Navy and the Air Force,” said U.S. Air Force Col. Chris McConnell, 37th Bomb Squadron commander. “As one of the aircraft capable of releasing mines, we have to work with our Navy partners to understand where those munitions need to be placed to meet the desired objectives.” Together, a team of 28th Munitions Squadron weapons loaders and Sailors from Navy Munitions Command, Pacific Unit, Guam, armed B-1B Lancers with 21 Mark-62 Quickstrike mines, weighing 500 pounds each. A naval mine is a self-contained explosive device employed to destroy surface ships or submarines and provide a low-cost battlespace shaping and force protection capability. Mines may also be used to deny an enemy access to specific areas or channel them into specific areas.</p>
jpost.com 27.10.2022 00:58	ISR/SYR/IRN: Alleged Israeli airstrikes target Damascus for 3rd time in a week	<p>Alleged Israeli airstrikes targeted sites in the Damascus area on Wednesday 26.10.2022 night for the third time in the past week, according to Syrian state news agency SANA. Air defense systems were activated in the Damascus area, at the same time intense explosions were heard in the sky of the capital city and its suburbs, according to Syrian reports. Syria attributed the attack to Israel, no damage or casualties were reported.</p> <p><i>(Ergänzende information timesofisrael.com vom 27.10.2022 01:46 AM: Syria blamed Israel for airstrikes at about 12:30 a.m., according to a defense ministry statement carried by state media.)</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 27.10.2022 04:11 PM: Israel has threatened Syria it will ramp up airstrikes in the country over its cooperation with Iran in smuggling arms to the Lebanese terror group Hezbollah, according to a Thursday report, which came following three attacks in Syria attributed to Israel within days. The Saudi-funded Al-Arabiya, citing unidentified sources, said Iran has been sending weapons disguised as aid for Syria and Lebanon by air, land and sea. The network said a rare daytime airstrike on the Syrian capital Damascus on Monday targeted military sites belonging to the elite Fourth Armoured Division, which is commanded by Syrian President Bashar Assad’s brother, Maher. The report said Maher Assad’s unit “supports Iran in the transfer of strategic weapons and dangerous materials” for Syria and</i></p>

		<i>Lebanon. Additionally, the strikes targeted the headquarters of the “Lebanese legion” of Iran’s Revolutionary Guards, involved in transferring arms to Lebanon. Additionally, airstrikes attributed to Israel have repeatedly targeted Syrian air defense systems.)</i>
voanews.com 25.10.2022	US Targets Al-Shabab in Somalia Airstrike, Killing 2	A U.S. military airstrike has targeted al-Shabab terrorists who were attacking Somali National Army forces, killing two, according to U.S. Africa Command (AFRICOM). The strike Sunday was near Buulobarde, Somalia, 218 km northwest of Mogadishu. AFRICOM says its initial assessment is that two terrorists who were actively attacking Somali forces were killed, and that no civilians were injured or killed. The U.S. strike comes as al-Shabab launched two major attacks in Somalia this month.
thedrive.com 25.10.2022 07:54 PM	RUS/UKR: Ukraine Situation Report: Russia’s Ka-52 Attack Helicopter Fleet Has Been Massacred	In the eight months since launching its all-out invasion of Ukraine, Russia has lost more than a quarter of its total in-service fleet of Ka-52 Alligator attack helicopters sent to Ukraine for the war, according to the most recent intelligence assessment of the war from the U.K. Ministry of Defense. At least 23 of Russia’s Ka-52 Alligator helicopters have been shot down or lost since the Feb. 24 invasion, the U.K. MoD assesses. That represents more than 25 percent of the Russian Air Force’s fleet of 90 Ka-52s in theater for the Ukraine campaign as of February and “nearly half of Russia’s total helicopter losses in Ukraine.” Prior to the war the Russian Air Force had a total fleet of about 120 Ka-52s, so the loss to the total fleet is still significant.
reuters.com 25.10.2022 13:54	USA/UKR: U.S. considers HAWK air defense equipment for Ukraine	The United States is considering sending older HAWK air defense equipment from storage to Ukraine to help it defend against Russian drone and cruise missile attacks, two U.S. officials told Reuters.
ukdefencejournal.org.uk 25.10.2022	RUS/UKR: Russia has lost at least quarter of Ka-52 attack helicopters	“There have been at least 23 verified losses of Russia’s Ka-52 HOKUM attack helicopter in Ukraine since the invasion. This represents over 25% of the Russian Air Force’s in-service fleet of 90 Ka-52s, and nearly half of Russia’s total helicopter losses in Ukraine. Russian attack helicopters have likely suffered particular attrition from Ukrainian man-portable air defence systems (MANPADS), while the helicopters frequently operate with less consistent top-cover from combat jets than they would expect under Russian military doctrine. Russia is still failing to maintain adequate air superiority in order to reliably carry out effective fixed wing close air support near the front line, and its artillery ammunition is running low. Russian commanders are likely increasingly resorting to conducting high-risk attack helicopter missions as one of the few options available to provide close support for troops in combat.”

<p>reuters.com 24.10.2022 06:13 PM GMT+2</p>	<p>MMR: Air strike during Myanmar concert kills at least 50 - media, opposition</p>	<p>The jet strike late on Sunday in the northern state of Kachin, which the military has yet to confirm, killed civilians, local singers and officers of the Kachin Independence Army (KIA), media reported, citing witnesses who said three planes carried out the attack. A spokesperson for the junta could not immediately be reached for comment and state television made no mention of the incident in its nightly news bulletin on Monday. It took place in the A Nang Pa region of Hpakant township and killed at least 50 people, BBC Burmese said, while news site Irrawaddy put the death toll at about 100. Reuters could not immediately verify the figures.</p> <p><i>(Umfassende Darstellung als ergänzende Information rfa.org vom 28.10.2022 abrufbar unter: https://www.rfa.org/english/news/myanmar/airpower-10282022131143.html)</i></p>
<p>jpost.com 24.10-2022 10:15</p>	<p>IRN/RUS/BLR: Iranian drone instructors spotted in Belarus</p>	<p>Instructors from Iran's Islamic Revolutionary Guard Corps (IRGC) are training Russian forces in Belarus and coordinating the launches of Iranian-made drones, according to the Ukrainian National Resistance Center. A group of Iranian instructors, officers of the IRGC, who are reportedly under the protection of the Russian National Guard and FSB officers, have been spotted in the village of Mykulichi, in the Gomel region.</p> <p>According to information obtained by the Ukrainian National Resistance Center from Belarusian partisans, these instructors coordinated Shahed-136 drone strikes on infrastructure facilities in Kyiv, as well as on northern and western regions of Ukraine. According to the local resistance group, the Russians have taken complete control of airfields in Baranovichi and Lida. The Russian military continues to use the bases to launch strikes on the territory of Ukraine.</p> <p>Ten Iranians, training Russian soldiers, were reportedly killed in Ukrainian strikes over the past week, a Ukrainian official told KAN news on Friday.</p>
<p>jpost.com 24.10-2022 15:48</p>	<p>ISR/SYR: Alleged Israeli airstrikes target Damascus in rare daytime strike</p>	<p>Alleged Israeli airstrikes seem to have been the cause of explosions heard in Damascus on Monday afternoon, Syrian state media reported based on initial information. The strikes reportedly targeted sites near Damascus and al-Dimas. One Syrian soldier was injured, and some material was lost as a result of the alleged Israeli attack, according to Syrian state media. Israeli missiles were allegedly intercepted by Syrian air defense systems, according to the report.</p> <p>The alleged airstrikes comes just days after an alleged Israeli missile strike targeted sites near the Damascus and al-Dimas airports. That airstrike was the first strike reported in over a month. The Russian Defense Ministry reported on Sunday that a YLC-6M radar station belonging to the Syrian military was destroyed in those strikes.</p>

		<p>Israeli airstrikes are rarely conducted in the daytime, with most strikes being conducted in the evening or overnight. The last daytime strike blamed on Israel was reported in late August with the strikes reportedly targeting sites near Masyaf, including the Syrian Scientific Studies and Research Center.</p> <p><i>(Ergänzende Information israelradar.com vom 24.10.2022: After a month-long break, Israel reportedly bombed targets in the Damascus area twice within the last three days. A rare daylight strike today suggests an urgent operational need based on pinpoint intelligence, journalist Or Heller estimated. Unconfirmed Arab reports said that Israel's previous attack targeted sensitive Iranian weapons meant for Hezbollah. Tehran was intensifying arms shipments to bolster its proxy ahead of a possible war, Walla News reported earlier, citing intel sources.)</i></p>
<p>rferl.org 23.10.2022</p>	<p>RUS/UKR: 'Wide-Scale' Russian Attacks Target Ukraine's Energy Grid, Leaving Millions Without Electricity</p>	<p>Russia has launched new, "wide scale" missile strikes on Ukraine's civilian energy sites, causing power outages nationwide, Ukrainian President Volodymyr Zelenskiy said in his regular video address late on October 22. Moscow says its forces continued to launch attacks against Ukraine's energy and military infrastructure over the last 24 hours. Ukrainian authorities say nearly 1.5 million households across the country have been left without electricity. Russia has intensified its strikes on Ukraine's power stations, water supply systems, and other key infrastructure over the past two weeks.</p> <p>But Zelenskiy said most of the Russian missiles and drones were being shot down, reiterating an earlier statement by the Ukrainian military that it had downed 18 out of 33 cruise missiles launched from the air and sea on October 22. "Of course we don't yet have the technical ability to knock down 100 percent of the Russian missiles and strike drones. I am sure that, gradually, we will achieve that, with help from our partners," Zelenskiy said.</p> <p>The areas targeted by the latest strikes include Khmelnytskiy and Lutsk in the country's west and the central city of Uman. Khmelnytskiy, which was home to some 275,000 people before the war, was left with no electricity, shortly after local media reported several loud explosions on October 22, regional officials said. Uman, which had some 100,000 residents before the war, was also plunged into darkness after a rocket hit a nearby power station. In Lutsk, a city of 215,000, electricity had been partially knocked out after Russian missiles slammed into local energy facilities, according to local officials. Authorities in Khmelnytskiy and Lutsk urged residents to store water, "in case it's also gone." Air strikes and power disruptions were also reported from Odesa in the south, the central city of Dnipro, and Zaporizhzhya in the country's southeast.</p> <p>The national energy company, Ukrenerho, continued to urge all Ukrainians to conserve energy. In his address later on October 22, Zelenskiy said authorities had managed to restore power in multiple regions where electricity had been cut off as a result of the attack. Ukrainian officials said about 40 percent of the country's</p>

		<p>electric power system has been severely damaged since Russia increased attacks on Ukraine's civilian infrastructure. Zelenskiy had earlier said 30 percent of Ukraine's power stations have been destroyed by Russian strikes since October 10.</p>
<p>jpost.com 23.10.2022 15:03</p>	<p>ISR/IRN/SYR: Israeli officials claim to have destroyed 90% of Iran's military operations in Syria</p>	<p>The Israeli military has destroyed about 90% of Iran's military infrastructure and attempts to entrench itself - with Hezbollah - in Syria, top officials in the defense establishment claimed over the weekend. According to the officials, Israel has in recent years succeeded in almost completely curbing Iran's ability to transfer weapons to Syria, to manufacture weapons on the country's soil and to establish a base in it with pro-Iranian forces.</p> <p>According to the sources, the plan of the former commander of the Iranian Quds Force, Qassem Soleimani, who was killed by the Americans in 2020, has failed due to the IDF's continued air campaign against the forces in Syria. The last alleged attack attributed to Israel in Syria was Friday when local media reported that the IDF attacked near the airport in Damascus after about a month of relative silence.</p> <p>The sources said that despite the tension between Israel and Russia – which recently threatened Jerusalem not to transfer arms to Ukraine - the deconfliction mechanism to prevent Russian-Israeli friction in Syria is working as usual. Periods without attacks, the sources said, are usually the result of an Iranian decision to suspend the smuggling of weapons to Syria, in order to try and find a new route to trick Israel. The security officials emphasized that the IDF severely damaged Iran's smuggling routes from the sea, from the air and even from the land from Iran to Syria. As a result of the attacks, the ability of the Syrian army to produce weapons and ammunition has also been damaged since the Iranians and Hezbollah used the same factories for the production of their weapons.</p> <p>The focus of the attacks in recent years has also been to stop the smuggling of components for CERS – the Centre D'Etudes et de Recherches Scientifiques (CERS) in Masyaf that is used by Iran to produce advanced missiles and weapons for its proxies.</p> <p>Along with this, the assessment in Israel is that Syrian President Bashar Assad has reduced the activity of Iran and Hezbollah in his country, with an emphasis on the Syrian Golan Heights and the south of the country. According to sources in Israel, Assad has realized that in the coming years he will not be able to regain territories occupied by the Kurds, including the Turks, and instead focuses his power on trying to restore stability to the major cities with an emphasis on Damascus and the region including the coastline.</p>

<p>jpost.com 22.10.2022 23:19</p>	<p>USA/SYR: Rockets target US coalition forces in eastern Syria – report</p>	<p>Rocket fire targeted a base housing US coalition forces in the al-Omar oil field in eastern Syria on Saturday night, according to Al-Mayadeen TV and Deir Ezzor 24. The coalition forces responded by bombing sites on the outskirts of Al-Mayadin in the Deir Ezzor region of eastern Syria, according to Al-Mayadeen.</p>
<p>audiaturetalterapars.ch 22.10.2022 03:05 AM</p>	<p>RUS/UKR: Russian S-300V4 Broke World Record For The Longest Ranged Surface To Air Kills</p>	<p>The missile system neutralised both aircraft at extreme ranges of 217km, surpassing the 150km range kill previously recorded by a Russian S-400 system against a Ukrainian Su-27 over Kiev in March, with this achieved despite the Su-27's high manoeuvrability and impressive flight performance designed to allow it to effectively evade standoff missile attacks.“ The S-300V4 has access to a range of missiles including the 40N6 which has a 400km range and a high hypersonic speed exceeding Mach 14. Military Watch supposed that the 40N6 may have been used, “since the missile has an entirely unique trajectory and sensor suite that are particularly well optimised to engaging very low altitude targets over the horizon”.</p> <p>The 40N6 can engage targets as low as 5 metres off the ground even at 400km distances, and climbs into space before descending to impact providing its onboard radar with greater coverage and a totally unrivalled performance at ranges over 250km. The missile has double the range of its top Western competitors, and is deployed by both Chinese and Russian S-400 units while also being compatible with the S-300V4.</p>
<p>jpost.com 21.10.2022 23:19</p>	<p>ISR/SYR: Syrian air defenses respond to alleged Israeli airstrike</p>	<p>Syrian air defenses intercepted an alleged Israeli missile attack over the capital Damascus and the southern region late on Friday and explosions were heard in the capital's vicinity, state media reported. No information was immediately available on damages or casualties. The target of the attack was the Damascus International Airport, according to international reports. This attack comes after over a month without any alleged Israeli attacks in Syria. The last alleged Israeli strike in Syria happened on September 17th, and it also allegedly targeted the Damascus International Airport.</p> <p>The strikes come as part of the Israeli campaign of "war-between-wars" (known in Hebrew as MABAM), and its purpose is to disrupt the smuggling of advanced weapons from Iran through Syria and into the hands of Hezbollah in Lebanon. Israel has been trying to prevent the establishment of an Iranian outpost on its border ever since the Syrian-Iranian alliance was formed.</p> <p><i>(Ergänzende Information haaretz.com vom 23.10.2022 06:42 PM IDT: A Friday airstrike near Damascus destroyed an Iranian-backed drone manufacturing and weapons storage site, the Syrian Observatory for Human Rights reported on Sunday. Widely believed to be carried out by Israel, the nighttime strike successfully targeted equipment used to assemble Iranian drones at Dimas military airport near the Lebanese border, the rights monitor claimed. A radar and runway were also apparently damaged. Iran-backed forces and Hezbollah have used the Dimas military airport as a base</i></p>

		<i>of operations throughout much of the Syrian Civil War, and Observatory sources reported back in January that Iran and Hezbollah were expanding the site and excavating underground storage sites.)</i>
reuters.com 21.10.2022 11:15 AM GMT+2	USAF: American B-1B bombers land in Guam to 'deter adversaries' and reassure allies	<p>U.S. Air Force B-1B bombers landed in Guam this week in the long-range aircraft's second deployment to the island this year amid regional tension over Taiwan and the looming prospect of a new North Korean nuclear test. The U.S. military confirmed their temporary deployment to the U.S. Pacific territory as part of a "bomber task force" mission on Thursday, a day after aircraft-spotting websites reported their flight from home bases in the United States.</p> <p>"It is ... meant to send a message that the United States stands closely with its allies and partners to deter potential provocation," Pentagon spokesman Brigadier General Pat Ryder told a briefing, when asked if the mission was aimed at sending North Korea a message. The bombers' presence is also aimed at demonstrating that the United States has the capability to conduct global operations at any time, he added. North Korea has conducted a record number of missile tests this year, including launching one over Japan. Officials in Washington and Seoul say North Korea also appears prepared to resume nuclear testing for the first time since 2017. North Korea has conducted six nuclear tests since 2006.</p> <p>The United States and its allies in South Korea and Japan have stepped up displays of military force in response to North Korea's missile tests, including conducting naval drills with a U.S. aircraft carrier and staging major field exercises for the first time in years.</p> <p><i>(Ergänzende Information stratcom.mil vom 20.10.2022: Earlier this year, four B-1s returned from Andersen where they conducted a multitude of missions. These missions included aerial integration with the Japan Air Self-Defense Force and a hot pit refueling operation with the Royal Australian Air Force (RAAF) at RAAF Base Darwin; a B-1B Lancer first. This time, the Lancers will partner with more Allies for several training missions in the Indo-Pacific.)</i></p>
rferl.org 20.10.2022	NOR/RUS: Norway Points Finger At 'Foreign Intelligence' After Arrest Of Several Russians For Suspicious Drone Flights	<p>Norway's Prime Minister Jonas Gahr Store says foreign intelligence services are behind a recent slew of "unacceptable" drone flights in the country. Store's comments on October 19 came after Norwegian police announced the arrest of a Russian who is accused of illegally flying a drone in the Svalbard archipelago in the Arctic region. Andrei Yakunin, the son of ex-Russian Railways boss Vladimir Yakunin, a close confidant of President Vladimir Putin, was arrested on October 17 in Hammerfest in northern Norway. "The suspect has admitted flying a drone in Svalbard," police official Anja Mikkelsen said. Yakunin has been placed in custody for two weeks, and drones and electronics in his possession have been confiscated, police said. He was the seventh Russian arrested in the past few days suspected of illegally flying drones or taking photos in restricted areas in the Scandinavian country.</p>

		<p>Hours earlier a drone was observed near the airport in Bergen, Norway's second-biggest city, briefly suspending air traffic. Bergen Airport, which is near Norway's main naval base, shut down at around 6:30 a.m. when the area's air space was closed. It reopened 2 ½ hours later. "It is obviously unacceptable for foreign intelligence to fly drones over Norwegian airports," Store told Norwegian public broadcaster NRK.</p> <p>Along with several other Western nations, Norway has forbidden Russians and Russian entities from flying drones or other aircraft over its territory following Moscow's invasion of Ukraine. Breaking that ban is punishable by a three-year prison term, while unauthorized photography can merit a one-year sentence. The Russian Embassy in Oslo said earlier this week that "hysteria" in Norway was impacting "ordinary tourists," calling the ban on Russians flying drones "unjustified and discriminatory."</p> <p>Numerous drone sightings have been reported near offshore oil and gas platforms and other Norwegian infrastructure in recent months, said Hedvig Moe, deputy chief of the Norwegian Police Security Service. "We believe [the drone flights are] carried out in a way that makes it difficult to find out who is really behind it," but Norwegian authorities suspect Russian involvement in operating unmanned aerial vehicles that "can be used for espionage or simply to create fear," Moe said.</p>
		Geo- und Sicherheitspolitik, militärische Übungen
en.yna.co.kr 04.11.2022 11:01	USA/KOR: Allies to hold joint air drills through Saturday: minister	South Korea and the United States have agreed to extend their large-scale joint air exercise by another day, Seoul's defense minister said Thursday following his talks with the Pentagon chief. The allies were scheduled to end the five-day Vigilant Storm practice on Friday, with around 240 aircraft, including F-35 stealth fighter jets, mobilized around the Korean Peninsula. But they decided to extend it in response to North Korea's firing of an intercontinental ballistic missile (ICBM) on Thursday (Seoul time).
nytimes.com 02.11.2022	RUS: Russian Military Leaders Discussed Use of	Senior Russian military leaders recently had conversations to discuss when and how Moscow might use a tactical nuclear weapon in Ukraine. The conversations alarmed the Biden administration because they showed how frustrated Moscow had become over its battlefield setbacks in Ukraine.

	Nuclear Weapons, U.S. Officials Say	
forsvaret.no 02.11.2022 13:06	NOR: Norway raises military readiness	<p>Based on the General's advice the government decided that the Norway will increase its military readiness. This means that the Norwegian Armed Forces from 1 November will implement the next phase of their preparedness plans. The operations and activities of the Norwegian Armed Forces are being adjusted in response to the serious security situation Europe is facing.</p> <p>"We are confronting the most serious security situation we have seen in decades. There are no indications that Russia intends to expand its war to other countries, but rising tensions means that we are more exposed to threats, espionage and foreign influence operations. This makes it necessary for all NATO countries, including Norway, to be more vigilant," said Prime Minister Jonas Gahr Støre during a press conference on Monday 31 October.</p> <p><i>(Vollständige Medienmitteilung abrufbar unter:</i> https://www.forsvaret.no/en/news/articles/norway-raises-military-readiness<i>)</i></p>
japantimes.co.jp 31.10.2022	JPN/CHN/PRK: Japan considers extending high-speed missile range to defend Senkaku Islands	<p>Japan is considering extending the range of a new high-speed missile, still in the developmental stage, beyond 1,000 kilometers to better defend its remote islands including the Japanese-administered Senkaku Islands, government sources said Sunday. The envisioned upgrade of the land-based, long-range missile will put China's coastal areas and North Korea within its range, at a time when Japan is ramping up its deterrence amid North Korean nuclear and missile threats and China's military assertiveness, the sources said. North Korea has been launching ballistic missiles at an unprecedented pace since the start of this year including one that flew over Japan.</p> <p>The missile Japan is hoping to develop contains a number of features that will make it difficult to intercept. After it is fired from a mobile launcher, the warhead separates at high altitude and travels on an irregular trajectory before gliding at supersonic speed toward its target. Research on the missile began in fiscal 2018, and current prototypes have a range of several hundred kilometers. These are expected to be mass produced from next fiscal year and deployed in fiscal 2026. The improved version will extend the range beyond 1,000 km.</p> <p>In addition, Japan is considering buying U.S.-developed Tomahawk cruise missiles, which have a range of up to 2,500 km and can travel relatively low to the ground, to bolster its deterrence capacity, according to government officials.</p>

<p>reuters.com 31.10.2022 03:09 AM GMT+1</p>	<p>USA/AUS: U.S. plans to deploy B-52 bombers to Australia's north</p>	<p>The United States is planning to deploy up to six nuclear-capable B-52 bombers to an air base in northern Australia, a source familiar with the matter said on Monday, amid heightened tensions with Beijing. Dedicated facilities for the bombers will be set up at the Australian air force's remote Tindal base, about 300 km (190 miles) south of Darwin, the capital of Australia's Northern Territory, said the source, who declined to be identified because they are not authorised to speak publicly on the issue. Australian Defence Minister Richard Marles' office declined to comment.</p> <p>The ability to deploy the long-range bombers to Australia sends a strong message to adversaries about Washington's ability to project air power, the U.S. Air Force was quoted as saying in the report. Putting B-52s, which have a combat range of about 14,000 km, in Australia will be a warning to Beijing, as fears grow about an assault on Taiwan, Becca Wasser, senior fellow at the Washington, D.C.-based Centre for a New American Security, told the ABC. This year, the U.S. deployed four B-52s to its Andersen Air Force base in Guam.</p> <p>Last year, the United States, Britain and Australia created a security deal that will provide Australia with the technology to deploy nuclear-powered submarines, riling China.</p> <p><i>(Ergänzende Information globaltimes.cn vom 31.10.2022 11:33 PM: In response, Zhao Lijian, spokesperson for China's Ministry of Foreign Affairs, said at a regular press conference on Monday that the defense and security cooperation between the US and Australia should be beneficial to regional peace and stability rather than targeting a third party or harming a third party's interests. The US move has escalated regional tensions, seriously sabotaged regional peace and stability, and could trigger a regional arms race, Zhao said. Previously, the US mainly deployed its bombers in Guam to conduct strategic deterrence missions, but now the US believes that Guam is no longer secure and that it could be facing potential missile threats, so Australia has become another option, Zhang Xuefeng, a Chinese military expert, told the Global Times on Monday. China has developed the DF-26 intermediate range ballistic missile that can reach Guam, earning it the nickname of "Guam Express.")</i></p>
<p>yle.fi 29.10.2022 13:49</p>	<p>FIN: PM does not rule out nuclear weapons or permanent Nato bases in Finland</p>	<p>Prime Minister Sanna Marin (SDP) told Yle on Saturday that it was impossible to anticipate when Hungary and Turkey would ratify Finland's accession into Nato. "Naturally we hope that things will move forward swiftly on this matter," Marin said on Yle TV1's Saturday chat show, Ykkösaamu. Hungary and Turkey are the only two Nato members yet to ratify Finland's and Sweden's accession into the alliance.</p> <p>An audience question about Finland's Nato entry inquired why the country has not ruled out accepting nuclear weapons or permanent bases on its territory. "I've considered it very important that we don't set these kinds of preconditions, or limit our own room for maneuvering, when it comes to permanent bases or nuclear</p>

		<p>weapons," Marin explained, adding that she believed it was unlikely that nuclear weapons would be situated on Finnish soil.</p> <p><i>(Anmerkung Redaktion: Man konfrontiere einmal mehr die klare Haltung und die Werte der sozialdemokratischen Ministerpräsidentin Finnlands in Fragen der Landesverteidigung mit der sicherheitspolitischen Position der SP Schweiz. Chapeau Sanna Marin!)</i></p>
<p>economictimes. indiatimes.com 29.10.2022 12:00 AM EST</p>	<p>IND/FRA: India, France air exercise in Jodhpur</p>	<p>The Indian and French air forces are undertaking an 18-day military exercise in Jodhpur involving a significant number of combat jets such as Rafale, Tejas, Jaguar and Sukhoi-30s to further enhance operational cooperation, officials said on Friday. The 'Garuda VII' exercise began on October 26 and will culminate on November 12. The French Air and Space Force (FASF) has participated in the exercise with four Rafale fighter jets, one A-330 Multi Role Tanker Transport (MRTT) aircraft and a contingent of 220 personnel, the officials said. The Indian Air Force (IAF) has deployed Sukhoi-30 MKI jets, Rafales, Light Combat Aircraft Tejas, Jaguar jets, Light Combat Helicopters (LCH) and Mi-17 helicopters, they said. The IAF contingent will also include combat enabling assets like flight refuelling aircraft, AWACS (Airborne Warning and Control System) and AEW&C (Airborne Early Warning and Control) aircraft.</p>
<p>thehill.com 29.10.2022 01:59 AM MS</p>	<p>USA/UKR: US to send Ukraine \$275M in weapons, equipment</p>	<p>The new \$275 lethal aid package to Ukraine will include more ammunition for high mobility artillery rocket systems (HIMARS) among other critical ammunition to bolster Ukraine in its fight against Russia, the Defense Department announced Friday. Also included, according to deputy Pentagon press secretary Sabrina Singh:</p> <ul style="list-style-type: none"> 500 precision-guided 155 mm artillery rounds 2,000 155 mm rounds of remote anti-armor mine systems 1,300+ anti-armor systems 125 Humvees 2.75 million+ rounds of small arms ammunition Four satellite communications antennas <p>A replenishment: While there are no new weapons in the U.S. package, the additional aid is meant to restock critical weapons systems already in Ukrainian hands. Among those systems is HIMARS, which Kyiv's forces have used to push Russian troops from chunks of Ukrainian land in its counteroffensive begun at the start of September.</p>

		<p>Ukrainians are still waiting on other major weapons systems, including the National Advanced Surface-to-Air Missile System (NASAMS), which could be used to knock down targets in the sky including drones, ballistic missiles or fighter jets. The weapon is expected to be delivered early next month, Defense Secretary Lloyd Austin told reporters Thursday. The U.S. has committed two of the air defense systems to Kyiv, which continues to press Western nations for more of the critical capability. Finishing up: Singh said a Pentagon training program for Ukrainians to operate NASAMS “will conclude soon,” and once finished “the system will be ready for delivery to Ukraine.”</p>
<p>dailymail.co.uk 29.10.2022</p>	<p>GBR/CHN: Britain sent RAF Top Guns to Beijing to teach military pilots while PLA cadets received officer training in the UK under Tory policy which 'jeopardised UK national security'.</p>	<p>The MoD has admitted Chinese pilots trained in the UK at RAF staff colleges. Serving RAF pilots also travelled to Beijing to teach an 'Aviation English' course. The MoD said the co-operation agreement with Beijing was ended in 2019.</p> <p>The MoD issued an intelligence alert warning pilots against taking part and that it was taking 'decisive steps' to stop Chinese recruitment schemes targeting military pilots. This comes as former RAF Top Gun pilots were criticised for accepting lucrative roles training Chinese pilots. Up to 30 pilots have recently moved to China after securing £250,000-a-year contracts to teach Western flying procedures, it was revealed.</p> <p>During the Clinton to Obama years, the official US policy was to help China with its modernization and reforms as many China “hands” felt it would make China a better partner in maintaining international and regional stability. America’s allies were encouraged to assist if it did not involve weapons sales.</p>
<p>stripes.com 28.10.2022</p>	<p>USA: Air Force to replace F-15s on Okinawa with more advanced fighters on rotation</p>	<p>The Air Force will withdraw its two squadrons of F-15 fighters on Okinawa over two years starting Tuesday and replace them with rotational squadrons of more advanced fighters, an Air Force spokeswoman said Friday. The Department of Defense “will commence a phased withdrawal” of F-15 C/D Strike Eagles deployed to Kadena Air Base, spokeswoman Ann Stefanek said in an emailed statement provided by Kadena to Stars and Stripes on Friday evening. Published reports Thursday and Friday said the rotational aircraft will come initially from F-22 squadrons in Alaska. The U.S. plan calls for as many F-22s as there are F-15s currently at Kadena to deploy there for about six months starting in early November, a spokesman for the Japanese Ministry of Defense told Stars and Stripes by phone Friday.</p>
<p>en.yna.co.kr 28.10.2022 10:14</p>	<p>KOR/USA: S. Korea, U.S. to conduct Vigilant Storm</p>	<p>South Korea and the United States will hold major combined air drills, involving some 240 military aircraft, next week to verify the allies' wartime operational capabilities, the Air Force here said Friday, amid growing North Korean security threats. The five-day Vigilant Storm exercise is set to begin Monday, as Seoul and Washington</p>

	<p>air drills next week amid N.K. threats</p>	<p>are striving to sharpen deterrence amid concerns that Pyongyang could ratchet up tensions by conducting a nuclear test or other provocative acts.</p> <p>For the drills, the South plans to mobilize some 140 aircraft, including F-35A stealth jets and F-15K and KF-16 fighters, as well as KC-330 tankers, while the U.S. will deploy some 100 assets, including F-35B jets, EA-18 electronic warfare aircraft and KC-135 tankers. It would mark the U.S. military's first dispatch of F-35B jets here, Seoul officials said, in an apparent move by the allies to highlight their combined air power in the wake of Pyongyang's continued saber-rattling. Australia's Air Force will also join the exercise with the deployment of a KC-30A tanker transport.</p> <p>"During the exercise, the Air Forces of South Korea and the U.S. plan to hone wartime operational procedures and enhance sustained operational capabilities by conducting around the clock key air operations, such as a strike package flight, the provision of air defense and emergency air interdiction," the South's Air Force said in a press release. During the exercise, the Korea Air and Space Operations Center, tasked with spearheading wartime air operations, will check its operational capabilities by commanding allied air assets that are set to carry out a combined 1,600 sorties.</p> <p><i>(Ergänzende Information asia.nikkei.com vom 29.10.2022 00:01 JST: The U.S. will also field EA-18 electronic warfare and U-2 reconnaissance aircraft. One Australian tanker transport will join the drills to practice aerial refueling of South Korean planes.)</i></p> <p><i>(Ergänzende Information en.yna.co.kr vom 31.10.2022 09:54: The allies plan to perform a total of more than 1,600 sorties during the drills, with the Korean Air and Space Operations Center operating the forces to enhance operational capabilities.)</i></p>
<p>en.yna.co.kr 27.10.2022 10:40</p>	<p>PRK: 76 pct of N. Korea's missile tests since 1984 successful: data</p>	<p>More than three quarters of North Korea's missile tests conducted since 1984 were deemed to be successful, data showed Thursday, in an apparent sign of progress in Pyongyang's relentless push for advanced weapons systems.</p>
<p>pacaf.af 26.10.2022</p>	<p>USAF: Air Combat Command A-10's Deploy to PACAF</p>	<p>The U.S. Air Force has deployed A-10s to Andersen Air Force Base, Guam as part of a routine Dynamic Force Employment Operation. The A-10s are coming from the 23rd Air Expeditionary Wing out of Moody Air Force Base, Georgia. The United States is committed to being ready to execute missions quickly in unpredictable ways and rapidly respond to adversary moves within and across theaters of operation.</p>

<p>romania-insider.com 26.10.2022</p>	<p>ROU: More large defence contracts on Romania's procurement list</p>	<p>Romania's Ministry of Defence (MApN) asked the Parliament to approve the purchase of two Airbus H215M military helicopters for the estimated price of EUR 150 mln, according to a request on the agenda of the permanent office of the Chamber of Deputies, disclosed by G4media.ro. MApN says the helicopters must be equipped with surface combat capabilities (armament and combat technique).</p> <p>The request occurred after the Chamber of Deputies' expert committee had already cleared a USD 300 mln procurement contract for 18 UAS Bayraktar TB2 drones, G4media.ro also reported.</p>
<p>politico.com 26.10.2022 06:49 PM.EDT</p>	<p>USA/NATO: U.S. speeds up plans to store upgraded nukes in Europe</p>	<p>The United States has accelerated the fielding of a more accurate version of its mainstay nuclear bomb to NATO bases in Europe, according to a U.S. diplomatic cable and two people familiar with the issue. The arrival of the upgraded B61-12 air-dropped gravity bomb, originally slated for next spring, is now planned for this December, U.S. officials told NATO allies during a closed-door meeting in Brussels this month, the cable reveals.</p> <p>The move, which involves replacing older weapons with the newer version at various storage facilities in Europe for potential use by U.S. and allied bombers and fighter jets, comes amid heightened tensions over Russia's threats to use a nuclear weapon in Ukraine and growing concerns that the West needs to do more to deter Moscow from crossing that line.</p> <p>The B61 is a family of nuclear bombs first developed in the early 1960s and initially demonstrated in underground nuclear tests in Nevada. A dozen versions have been developed over the decades and most of them have since been retired. The \$10 billion B61-12 Life Extension Program is managed by the Department of Energy and is meant to replace several earlier versions, including about 100 bombs stored at air bases in Germany, Italy, Belgium, the Netherlands and Turkey.</p> <p>The upgrades are all in the non-nuclear aspects of the unguided bomb's design, and involve removing a parachute and installing a new tail kit and other improvements for "significantly greater accuracy," Kristensen said. The new version is also designed so that U.S. and allied bomber planes and fighter aircraft — including B-2 and B-21 bombers and F-15, F-16, F-35 and Tornado fighter jets — are all able to carry the weapon, as opposed to the several older versions of the B61 that have been in storage for years.</p> <p>The warhead itself is one of the most versatile in the U.S. arsenal because its explosive power can be dialed up or down depending on the target, making it either a low- or medium-yield weapon.</p>

		The Air Force conducted flight tests of the new bomb design on the F-35A in October 2021 and certified it on the F-15E in 2020. But the Pentagon reported in February that it planned to “complete nuclear design certification of the B61-12 with the F-35A before January 2023, after which the [U.S. Air Forces in Europe] will be able to start certification training.”
israel-alma.org 26.10.2022	IRN/RUS: Iran is Emerging as the Leading Accurate Firepower Supplier to Russia –What can the US and Israel do in Response?	Iranian weapons currently threaten European countries and are no longer Israel’s problem alone. What happens in the Middle East. <i>(Vollständiger Bericht abrufbar unter: https://israel-alma.org/2022/10/26/iran-is-emerging-as-the-leading-accurate-firepower-supplier-to-russia-what-can-the-us-and-israel-do-in-response/)</i>
defense.gov 25.10.2022	USNG: LC-130 ski bird aircraft	The first four or five LC-130 ski bird aircraft from the New York State National Guard's 109th Airlift Wing will arrive in McMurdo Station Antarctica this week, as the guard kicks off Operation Deep Freeze its annual mission to support the National Science Foundation. Equipped with special eight bladed propellers for additional power and specialized skis that allow the modified C-130 to land on ice and snow. More than 420 Guard airmen will deploy to Antarctica over the next four months to support climate research and other scientific activities during the Antarctic summer. The 2022-2023 mission will involve supporting three science camps outside the McMurdo area specifically, South Pole Station, Western Antarctic ice sheet divide camp and Siple Dome camp, as well as providing airlift between New Zealand and Antarctica.
globaltimes.cn 24.10.2022 08:25	CHN/USAF: Chinese experts warn of threats from US B-21, B-52 bombers	The US made high-profile announcements over the past week on two of its strategic bombers, the fully upgraded B-52 and the brand new B-21, with Chinese experts saying on Monday that the duo are likely to become the US Air Force's core strategic strike force in the next few decades, and China should be prepared to counter the planes and also learn from them. These two will form a combination of a high-end and a low-end bomber, Zhang Xuefeng, a Chinese military expert said. "The low-end B-52 has little defense penetration capability, and the US Air Force could have it launch the under-development AGM-183 hypersonic missile from outside of enemy defense lines. But such missiles are expensive and limited in number, so the high-end B-21 will take advantage of its high stealth capability to penetrate hostile defense lines and use cheap munitions like JDAM," Zhang said. No matter how many upgrades the B-52 gets, it can never become stealth-capable and it can only launch standoff missiles. China should develop its capabilities in long-range detection and long-range interception by

		<p>deploying warplanes and warships further away from its homeland into the blue-water regions. The B-21, on the other hand, has a shorter range than the B-2 and relies on operating bases, so attacking those bases and airfields where it is deployed is the way to go, analysts said.</p>
<p>iaf.org.il 23.10.2022</p>	<p>ISR: Taming the Adir (F-35I)</p>	<p>The training squadron of the fifth-generation fighter aircraft takes care of laying the foundation for simulator training for each new generation of pilots of the Adir aircraft (F-35i). Thanks to the technology it employs, the Adir array sharpens its capabilities to fight with the most advanced aircraft.</p> <p><i>(Vollständiger Artikel abrufbar unter:</i> https://www.iaf.org.il/9549-55743-en/IAF.aspx<i>)</i></p>
<p>rferl.org 22.10.2022</p>	<p>ESP/BGR/ROU: Spain To Deploy Fighter Jets To Bulgaria, Romania To Bolster Air Defenses</p>	<p>Spain said it would deploy 14 fighter jets to Bulgaria and Romania as NATO continues to bolster its eastern flank in the face of Russia's aggressive actions in the region. The country previously sent 12 fighter jets to eastern NATO members Bulgaria, Lithuania, and Estonia following Russia's invasion of Ukraine in late February.</p> <p>The move announced by the Spanish Defense Ministry on October 22 follows remarks by Bulgarian Defense Minister Dimitar Stoyanov two days earlier that Madrid was set to deploy up to eight jets to his nation in the coming days. Spain said six Eurofighter jets and 130 soldiers would be sent to Bulgaria between mid-November and early December to train forces there. Stoyanov told a news conference on October 20 that the Spanish Eurofighter jets were expected to arrive in Bulgaria on November 1 and would perform airspace protection operations together with the Bulgarian Air Force through December 23.</p> <p>The Spanish statement said a long-range aerial surveillance radar has been deployed to Romania since October 17 and could remain there until late June 2023.</p>
<p>asia.nikkei.com 22.10.2022 03:35 JST</p>	<p>JPN: Japan eyes upgraded missiles and drones to repel invasion by 2027</p>	<p>Japan aims to bolster the country's defenses by 2027 and fundamentally improve its ability to fend off any invasion, Defense Minister Yasukazu Hamada told reporters on Friday. A new two-phase plan, which Hamada outlined to an expert government panel on Thursday, sets goals for the next five and roughly 10 years across seven fields including standoff missiles and drones. The 10-year goals include extending Japan's defensive capabilities across greater distances.</p> <p>The Defense Ministry sees standoff missiles -- intended to strike targets from far enough away to evade defensive fire -- and drones as key to Japan's future protection. A new version of Japan's homegrown Type 12 surface-to-ship cruise missile with an extended range is slated to be introduced in fiscal 2026. The ministry</p>

		wants to acquire attack drones starting in fiscal 2023. Within 10 years, Tokyo also intends to deploy hypersonic standoff missiles that can travel at five times the speed of sound. The ministry seeks to improve its ability to control multiple drones at once, strengthening Japan's defenses over land, sea and air.
taiwannews.com.tw 21.10.2022 12:04	CHN/TWN: US Navy chief says China could invade Taiwan before 2024	The top commander of the U.S. Navy (USN) on Thursday (Oct. 19) said that a fleet must be prepared for a Chinese invasion of Taiwan that could happen at any point before 2024, far earlier than the previously anticipated date of 2027. During an event held by the Atlantic Council, Defense News Naval Warfare Reporter Megan Eckstein said that U.S. Secretary of State Antony Blinken on Monday raised eyebrows when he revealed that China is now pursuing "reunification on a much faster timeline."
		Interviews, Analysen, Studien, Reports, Fact Sheets, Infographics, Podcast und Videos
news.usni.org 31.10.2022	USN: USNI News Fleet and Marine Tracker: Oct. 31, 2022	These are the approximate positions of the U.S. Navy's deployed carrier strike groups and amphibious ready groups throughout the world as of Oct. 31, 2022, based on Navy and public data. In cases where a CSG or ARG is conducting disaggregated operations, the chart reflects the location of the capital ship. <i>(Infographic abrufbar unter: https://news.usni.org/2022/10/31/usni-news-fleet-and-marine-tracker-oct-31-2022)</i>
defense.gov 27.10.2022	USA: DOD Releases National Defense Strategy, Missile Defense, Nuclear Posture Reviews	The Defense Department today for the first time released the public versions of three strategic documents — the National Defense Strategy, the Nuclear Posture Review and the Missile Defense Review — together after having developed both the classified and unclassified versions of all three in conjunction with one another. <i>(Managementsummary und full version abrufbar unter: https://www.defense.gov/National-Defense-Strategy/)</i>
lockheedmartin.com	Kurzbeschreibung Artillerieraketensystem HIMARS	<i>(Abrufbar unter: https://www.lockheedmartin.com/en-us/products/himars.html)</i>

lockheedmartin.com	Kurzbeschreibung Artillerieraketensystem Multiple Launch Rocket System (M270)	<i>(Abrufbar unter: https://www.lockheedmartin.com/en-us/products/m270.html)</i>
jpost.com 24.10.2022 17:22	IRN: Iran reveals how drones became a pillar of its war doctrine -analysis	Unmanned aerial vehicles are a pillar of the “wars of the future,” Iran’s Fars News Agency reported Monday. This is interesting because Iran is currently exporting drones to Russia and sending members of the Islamic Revolutionary Guard Corps to help Russia use the drones, according to recent reports. Over the past few months, Iran has sent drones to Russia, and Moscow is using the Iranian Shahed 136 against Ukraine. <i>(Vollständige Analyse abrufbar unter: https://www.jpost.com/middle-east/iran-news/article-720435)</i>
jpost.com 24.10.2022 14:48	ISR/UKR/IRN: Is Israel helping Ukraine with drone intel? - analysis	Israel has provided Ukraine with information to help its forces neutralize the Iranian-style drones that Russia is using against Kyiv, according to a recent report. The report at The New York Times does not go into great detail but suggests that Israel is awakening to the reality of the Iranian drone threat and how it impacts Ukraine; as well as the need to respond to pressure and questions about why Israel hasn’t done more for the war-torn country. Reports that Israel might assist Ukraine on the informational level, through intelligence or other details that help Kyiv down the drones or protect against the drones, could be a best-of-both-worlds way to help Ukraine; it has plausible deniability and doesn’t represent an intervention in the sense of sending arms. <i>(Vollständige Analyse abrufbar unter: https://www.jpost.com/international/article-720434?_ga=2.126247309.1222271107.1666511622-1229034299.1617710680&utm_source=ActiveCampaign&utm_medium=email&utm_content=Is+Israel+helping+Ukraine+on+drone+intel%3F&utm_campaign=October+24%2C+2022+Day)</i>
jpost.com 24.10.2022 12:47	ISR/IRN: Iran reveals how drones became a pillar of its war doctrine - analysis	Unmanned aerial vehicles are a pillar of the “wars of the future,” an article in Iran’s Fars News said Monday. This report is interesting because Iran is exporting drones to Russia and sending members of the IRGC to help Russia use the drones, according to recent reports. In recent months Iran has sent drones to Russia and Moscow is using the Iranian Shahed 136 against targets in Ukraine.

		<p>(Vollständige Analyse abrufbar unter: https://www.ipost.com/middle-east/iran-news/article-720435? qa=2.199092399.1222271107.1666511622-1229034299.1617710680&utm_source=ActiveCampaign&utm_medium=email&utm_content=Is+Israel+helping+Ukraine+on+drone+intel%3F&utm_campaign=October+24%2C+2022+Day)</p>
af.mil 14.10.2022	USAF: Department of the Air Force - Fiscal Year 2021 Acquisition Report	<p>The Department of the Air Force released its Fiscal Year 2021 Acquisition Report Oct. 14, which reviews the overall management of more than 50 of the largest acquisition programs.</p> <p>(Vollständiger Report abrufbar unter: https://www.af.mil/News/Article-Display/Article/3190388/daf-releases-annual-acquisition-report/ über Window "Related Links" Fiscal Year 2021 Aquisition Report")</p>

Zielsetzung NACHBRENNER	<p>Der NACHBRENNER hat zum Ziel eine am Thema Militärluftfahrt und Luftkriegsführung interessierte Leserschaft zeitnah über</p> <ul style="list-style-type: none"> ° Die Fähigkeiten und die Schlüsselfunktion von Air Power, ° die zentrale Bedeutung einer integrierten Luftverteidigung, ° die Weiterentwicklung von Luftstreitkräften mit einem besonderen Fokus Europa, ° Entwicklungen und Entwicklungstendenzen in der 3. Dimension sowie ° die möglichen verheerenden Folgen eines ungeschützten schweizerischen Luftraums für unsere Bevölkerung und Souveränität im Frieden, bei Terrorangriffen aus der Luft sowie im Konfliktfall <p>zu orientieren.</p> <p>Dafür werden offene staatliche und Firmen-Quellen sowie die Tages- und Fachpresse ausgewertet und in primär englischer Sprache thematisch und chronologisch zusammengeführt.</p>
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<p>Ausgewählt und bearbeitet von MILITÄRPOLITISCHE NACHRICHTEN SCHWEIZ (MNS) Konrad Alder Hermann Hiltbrunner-Weg 1 Tel. 044 926 39 36 <i>konrad.alder@bluewin.ch</i></p>	<ul style="list-style-type: none"> ° Fact and Figures ° Science and Technology ° Entwicklungstrends ° Beschaffungsprogramme ° Luftkriegseinsätze ° Militär- und geopolitische Entwicklungen
<p>Beilagen im Anhang zum Versandmail NACHBRENNER 2022-48</p>	<p>° Nachrichtenblatt NACHBRENNER 2022-48</p>
<p>Neuabonnement NACHBRENNER</p>	<p>Für eine regelmässige, kostenlose Zustellung des NACHBRENNER übermittelt man seine Mailadresse an konrad.alder@bluewin.ch.</p> <p>Auf die gleiche Art erfolgt die Annulation des Abonnements.</p>