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Wissenswertes aus dem Bereich Militärluftfahrt und Luftkriegsführung

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| | | Sicherheitspolitik Schweiz und Air2030 |
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| vbs.admin.ch | Rubrik Richtig- und Klarstellungen | Das VBS steht für die Themen rund um Sicherheit, Armee, Bevölkerungsschutz und Sport im Interesse der Öffentlichkeit und ist für Fragen zu diesen Themen Anlaufstelle für Medien und Bürgerinnen und Bürger. In dieser Rubrik finden sich Richtig- und Klarstellungen. Es kann sein, dass diese nur in der entsprechenden Sprachversion publiziert werden. <i>(Rubrik «Richtig- und Klarstellungen» abrufbar unter: https://www.vbs.admin.ch/de/aktuell/richtigstellungen.html#nkf-210711)</i> |
| skynews.ch August 2021 | Ein überdeutlicher Sieger - Schweizer Luftwaffe soll mit F-35A Lightning II in die Zukunft fliegen | In praktisch allen relevanten Punkten der Konkurrenz klar überlegen und dazu erst noch günstiger – mit dieser Botschaft hat Bundesrätin Viola Amherd am 30. Juni den Typenentscheid für die Lockheed Martin F-35A und das Luftverteidigungssystem Raytheon Patriot begründet. Bevor F-35 mit Schweizer Hoheitszeichen den täglichen Polizeidienst übernehmen oder über die Axalp donnern, gilt es allerdings erst einige Hürden zu nehmen. <i>(Artikel von Eugen Bürgler als Scan-Version im Anhang zum Versandmail dieser NACHBRENNER-Ausgabe 2021-15)</i> |
| sog.ch 29.07.2021 | Mutiger und kluger Entscheid des Bundesrats | Die Schweizerische Offiziersgesellschaft (SOG) begrüsst den Entscheid des Bundesrats vom 30. Juni 2021, 36 Kampfflugzeuge des Typs F-35A des US-Herstellers Lockheed Martin zu kaufen. Der Bundesrat hat seine Wahl auf eine umfangreiche und professionell durchgeführte technische Evaluation der vier Kampfjet-Typen abgestützt. Der F-35A erzielte mit Abstand den höchsten Gesamtnutzen – und zugleich die tiefsten Gesamtkosten. Auch der BODLUV-Entscheid Patriot des US-Herstellers Raytheon findet die Zustimmung der SOG. <i>(Vollständiges Dokument abrufbar unter: https://sog.ch/2021/07/mutiger-und-kluger-entscheid-des-bundesrats/)</i> |
| blick.ch 28.07.2021 | Kampfjet F-35 wird teurer! | Weltweit sorgt der US-Tarnkappenjet F-35 für hohe Mehrkosten. Nur unser Verteidigungsdepartement macht sich keine Sorgen – obwohl der Hersteller höhere Preise ankündigt. Muss nun auch die Schweiz mit Mehrkosten rechnen? Nein, zeigt sich das Bundesamt für Rüstung (Armasuisse) überzeugt. Die erwartete Inflation sei eingerechnet. Auch sehe die Schweiz keine spezifischen Anforderungen an die Jets vor. Mit bösen Überraschungen rechnet das VBS nicht. Verteidigungsministerin Viola Amherd (59) und ihr Departement betonen, dass die Offerten verbindlich seien, die Preise garantiert. |

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| | | <p>(Vollständiger Artikel abrufbar unter: https://www.blick.ch/politik/us-hersteller-warnt-kampfjet-f-35-wird-teurer-id16709928.html)</p> |
| aviationweek.com 12-25.07.2021 | Swiss Summit | <p>Switzerland chooses F-35s to replace its F/A-18 and F-5. Raytheon's Patriot System also selected.</p> <p>(Artikel als Scan-Version im Anhang zum Versandmail dieser NACHBRENNER-Ausgabe 2021-15)</p> |
| <p>Leser-Feedback MNS-Stellungnahme 2021-04 (Siehe unten) 24.07.2021</p> | <p>«Da hatte ich noch Haare auf dem Kopf und rannte als junger Leutnant über Kampfbahnen»</p> | <p>Von einem über 30 Jahre in der Flugzeugindustrie wirkenden Leser aus dem Kreis meiner NACHBRENNER-Abonnenten erreicht mich folgenden Feedback:</p> <p>«Ich habe auf allen zur Auswahl stehenden Flugzeugen gearbeitet. Alle Lieferanten zählten während meinen operativen Tätigkeiten in der Flugzeugindustrie zu meinen Kunden und sind es heute noch für die Firmen, bei denen ich im VR sitze. Das sind alles gute Flugzeuge aber drei davon wurden in den 80er Jahren des letzten Jahrhunderts entwickelt. Man stelle sich vor, da hatte ich noch Haare auf dem Kopf und rannte als junger Lt über Kampfbahnen. Bei diesen Typen gab es zwar Kampfwertsteigerungen, aber dem sind einfach irgendwann von der technischen Konzeption her Grenzen gesetzt. Deshalb entwickelt man ja neue Typen. Es ist auch sonnenklar, warum zukünftige Kampfwertsteigerungen auf dem F-35 billiger sein werden. Es werden über 3000 davon in Betrieb sein und die grössten Kostenblöcke sind bei Kampfwertsteigerungen immer die Entwicklungskosten. Ob man die dann über 3000 oder 300 amortisieren kann, ist der wesentliche Unterschied.</p> <p>Es ist auch kein Wunder, dass die Amerikaner in der Rüstungstechnologie 20 Jahre Vorsprung auf die Europäer haben. Im Gegensatz zu Europa haben sie immer Geld dafür ausgegeben und finanzieren heute auch zu 80 Prozent die NATO. Ich habe in den letzten 20 Jahren einen Drittel meiner Zeit geschäftlich in den USA verbracht, habe da 4 Firmen geführt und war lange als einziger nicht-Amerikaner im Vorstand eines führenden Branchenverbandes der US Luftfahrt und nehme daher für mich in Anspruch mit dem Thema doch einigermassen vertraut zu sein.</p> <p>Europa muss in Sachen Sicherheitspolitik umdenken, die Schweiz muss umdenken. Die Friedensdividende haben wir mehrfach bezogen, und zwar auch oder gerade dank den viel gescholtenen Amerikanern.»</p> |
| nzz.ch 24.07.2021 | <p>Es reicht nicht, Gute Dienste anzubieten! - Interview Georg Häsler</p> | <p>Georg Häsler Sansano Sie formulieren die These, Spannungen würden zunehmen, aber ein Krieg sei unwahrscheinlich. Was bedeutet das für die schweizerische Landesverteidigung?</p> |

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| | <p>Sansano mit Sicherheits- experte Theodor Winkler, ehemaliger Direktor der Genfer Zentren für Sicherheitspolitik</p> | <p>Theodor Winkler <i>Wir müssen uns daran gewöhnen, dass wir nicht mehr nur von Freunden umzingelt sind, dass es irgendwo zu brennen beginnen kann – In der Ukraine, in Taiwan oder im Südchinesischen Meer. Wir dürfen unsere Verteidigung nicht weiter herunterfahren, sondern müssen sicherstellen, dass wir in einer Krise unser Land glaubwürdig schützen können, von niemandem erpresst werden können, niemandem für unseren Schutz anbetteln müssen. Wir müssen uns nicht auf den Krieg vorbereiten, sehr wohl aber auf Krisen.</i></p> <p><i>(Anmerkung Redaktion: (Anmerkung Redaktion: Wer garantiert einer für Schutz und Sicherheit ihrer Staatsbürger verantwortlichen Regierung, dass eine Krise nicht erwartet und unkontrolliert in einen bewaffneten Konflikt eskaliert? Bei allem Respekt Herr Winkler, hier haben sie – auch im Lichte der sicherheitspolitischen Entwicklung in Europa in den vergangenen rund 20 Jahren - nicht zu Ende gedacht. Raison d’Etre unserer Armee muss der bewaffnete Konflikt, nicht der Frieden oder die Krise sein. Entsprechend ist sie auch auszurüsten und auszubilden. Nur so erreicht sie auch die notwendige dissuasive Wirkung und dient sowohl der Krisenbewältigung als auch der Kriegsverhinderung als eigentlich primäres Ziel unserer defensiven Landesverteidigung.)</i></p> |
| <p>linkedin.com François Monney Rédacteur chez LUVch</p> | | <p>#filAir2030 - Selon Suzette Sandoz, une initiative dirigée contre la décision du Conseil fédéral [choix du #F35A] doit être déclarée nulle parce que contraire au droit.</p> <p><i>(Anmerkung Redaktion/Wikipedia: Suzette Sandoz (geboren am 12. Januar 1942 in Lausanne; heimatberechtigt in Le Locle, La Chaux-de-Fonds und Lausanne) ist eine Schweizer Juristin und Politikerin (LPS). Sie war erste Ordentliche Professorin der Universität Lausanne und Nationalrätin des Kantons Waadt.)</i></p> |
| <p>nzz.ch 21.07.2021</p> | <p>Französische Polemik nach Schweizer Kampfjet-Entscheid</p> | <p>Der Bundesrat will den amerikanischen F-35 beschaffen. Frankreich ist in der Evaluation mit der Rafale nicht durchgekommen. Ein französischer Think-Tank fordert nun, die militärische Zusammenarbeit mit der Schweiz zu überdenken.</p> <p><i>(Vollständiger registrierpflichtiger Artikel abrufbar unter: https://www.nzz.ch/schweiz/f-35-polemik-aus-frankreich-ld.1636334)</i></p> <p><i>(Zu diesem Artikel von Georg Häsler Sansano an die NZZ eingereichter MNS-Leserbrief: Man kann die Befindlichkeit in unserem westlichen Nachbarland in der Frage der Beschaffung eines neuen Kampfflugzeugs für unsere Luftwaffe gut verstehen. Im Rahmen des Tiger-Teilersatz 2011 als Gewinner der TTE-Evaluation aus absolut unverständlichen Gründen als zu Gut und zu teuer befunden, landete der Rafale nun im aktuellen Auswahlverfahren für ein NKF wohl auf dem undankbaren 2. Platz. Es wird unsere guten Beziehungen zur l’Armée de l’Air & de l’Espace nicht nachhaltig negativ beeinflussen, denn sowohl die französischen Luftstreitkräfte und Marineflieger als</i></p> |

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| | | <p><i>auch die Schweizer Luftwaffe beschaffen nach professionellen Auswahlverfahren - unabhängig von seiner Provenienz und politischen Überlegungen - das für sie jeweils bestgeeignete Flugzeug. So z.B. Frankreich in den USA den Transporter C-130 Hercules, das Frühwarn- und Führungsflugzeug E-2C Hawkeye, die Aufklärungs- und Kampfdrohne MQ-9 Reaper und unser Land eben den 5.Gen F-35 Lightning II. Kommt hinzu, dass auch Frankreich aus sicherheitspolitischem Eigennutz ein vitales Interesse an einem gut geschützten und verteidigten Schweizer Luftraum hat.)</i></p> <p><i>(Reaktion eines ausgewiesenen Kenners der Situation auf den NZZ-Artikel 21.07.2021 und den an die NZZ eingereichten MNS-Leserbrief: «Die Armée de l’Air wartet nur auf die ersten Begegnungen mit schweizerischen F-35, wie seinerzeit beim F/A-18»)</i></p> |
| bulletin-1.ch Dr. Peter Forster 18.07.2021 | Patrouille Suisse – attraktives Programm 2021 | Die deutsche Flugrevue, eine von Europas führenden Aviatik-Zeitschriften, erweist den beiden Schweizer Kunstflugstaffeln die Ehre. Sie berichtet über die Patrouille Suisse und das PC-7-Team. Text mit den verbleibenden Programmen. |
| nzz.ch 17.07.2021 | Der Schweizer Kampffjet-Entscheid gibt dem F-35 auch neuen Schub in den USA | <p>Das schweizerische Evaluationsverfahren für ein neues Kampfflugzeug wird in der amerikanischen Fachpresse positiv bewertet. Das Pentagon müsse den Schweizern genau zuhören, fordert ein Experte. «Während die Effektivität oder der technologische Vorsprung des Jets keine Überraschung war, öffnet die Schweizer Einschätzung der Kosten der F-35A einem die Augen», schreibt der US-Luftwaffen-Experte John Venable über die Evaluation von Armasuisse.</p> <p><i>(Vollständiger registrierpflichtiger Artikel Georg Häsler Sansano abrufbar unter: https://www.nzz.ch/schweiz/kampffjet-entscheid-gibt-dem-f-35-auch-neuen-schub-in-den-usa-ld.1635970)</i></p> |
| defensenews.com 16.07.2021 | The number of major F-35 flaws is shrinking, but the Pentagon is keeping details of the problems under wraps | <p>As the F-35 program inches its way through operational testing, the number of critical technical deficiencies is slowly dwindling, dropping from 11 critical deficiencies in January to seven in July. However, the exact nature of these problems will remain unknown to the public, even when the deficiency itself is not classified. The F-35 Joint Program Office declined to characterize the fighter jet’s remaining seven critical deficiencies, but said in a statement that it has identified and tested fixes for each problem.</p> <p><i>(Vollständiger Beitrag abrufbar unter https://www.defensenews.com/smr/hidden-troubles-f35/2021/07/16/the-number-of-major-f-35-flaws-is-shrinking-but-the-pentagon-is-keeping-details-of-the-problems-under-wraps/)</i></p> |
| stripes.com 16.07.2021 | USAF: | The F-35 Lightning II will remain central to the Air Force’s fighter fleet for years to come, the service’s top officer said Friday, despite the mechanical troubles and cost overruns that have made the aircraft the most expensive |

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| | F-35 fighter a 'cornerstone' of the fleet despite its troubles, top Air Force general says | <p>in history. "The F-35 is going to be the cornerstone of our fighter fleet and it will be for the foreseeable future," Gen. Charles Q. Brown told reporters after visiting with troops at Spangdahlem Air Base in Germany. Though technical problems have resulted in the F-35 falling short on operational expectations, Brown said he expects those issues to be resolved. "I'm very confident it will reach our expectations," Brown said, adding that the Air Force is working with the defense industry to get development and sustainment costs for the aircraft under control.</p> <p><i>(Vollständiger Beitrag abrufbar unter:</i> https://www.stripes.com/branches/air_force/2021-07-16/airforce-f35-fighter-expensive-2167847.html?utm_source=Stars+and+Stripes+Emails&utm_campaign=Daily+Headlines&utm_medium=email<i>)</i></p> |
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| | | Luft- und Marineluftstreitkräfte sowie strategische und weitere luftgestützte Einsatzmittel |
| gov.uk 29.07.2021 | GBR: £250 million contract for next phase for Future Combat Air System | The Ministry of Defence has signed a £250 million contract with British industry 'Team Tempest' partners, driving forward the next phase of the major national and international endeavour to develop the next generation of combat air and enable major programme choices by 2024., the Defence Secretary has today announced. Known as Tempest, the Future Combat Air System is expected to combine a core aircraft with a whole network of capabilities such as uncrewed aircraft and advanced data systems to form a next-generation mix designed to enter service from the mid-2030s. |
| economictimes. indiatimes.com 28.07.2021 | IND: IAF formally inducts Rafale aircraft into 101 Squadron of Eastern Air Command | <p>The Indian Air Force (IAF) formally inducted the Rafale aircraft into its 101 Squadron of the Eastern Air Command in the presence of Air Chief Marshal R K S Bhaduria at the Hasimara Air Force Station in West Bengal on Wednesday. The 101 Squadron is the second IAF squadron to be equipped with the Rafale fighter jets. In September last year, the Rafale aircraft were inducted into the 17 "Golden Arrows" Squadron. India has so far received 26 of the 36 Rafale aircraft it has ordered from French firm Dassault Aviation, Minister of State for Defence Ajay Bhatt informed the Lok Sabha on Wednesday.</p> <p><i>(Ergänzende Information economictimes.indiatimes.com vom 29.07.2021: Eight new Rafales, armed with decidedly deadly weapons packages, were formally inducted into the 101 'Falcons of Chhamb and Akhnoor' Squadron at the Hasimara air base in West Bengal on Wednesday. The first Rafale squadron, the 17 'Golden Arrows', is already fully</i></p> |

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| | | <i>operational at the Ambala airbase with its full complement of 18 fighters, which have been undertaking regular sorties in eastern Ladakh amidst the continuing military confrontation with China there. The remaining 10 of the 36 twin-engine Rafales, contracted under the Rs 59,000 crore deal inked with France in September 2016, are slated to arrive in batches before the deadline of April next year. The deployment of the French-origin Rafales in the eastern sector, along with the Russian-origin Sukhoi-30MKI fighters already operating from air bases like Tezpur and Chabua, will lead to a greater offensive punch against China.)</i> |
| the-japan-news.com 27.07.2021 | JPN: Japan eyes F-35B training drills on Izumo destroyer | Landing and takeoff drills involving U.S. F-35B stealth fighters may be conducted on the Japanese destroyer Izumo by the end of this year. Japan's government is considering holding such training on the Izumo destroyer, which is undergoing modifications to essentially turn it into an aircraft carrier. The drills would be a prelude to future joint operations with the U.S. military, aimed at warning off China, which is increasing its military activities in the East China Sea and the Pacific Ocean, according to sources. With a displacement of 19,950 tons, the 248-meter Izumo is one of the Maritime Self-Defense Force's largest destroyers. It is currently being remodeled to enable U.S.-made F-35B fighter jets to land on and take off. These state-of-art jets can take off on short runways and land vertically. Under its Medium Term Defense Program, the government plans to procure 18 F-35B fighter jets by fiscal 2023 and put them into operation from the following fiscal year. At present, Japan does not possess any F-35B jets. |
| tass.com 27.07.2021 | RUS: Two-seat Su-57 fighter jet to be designed for control of Okhotnik drones | A fifth-generation Su-57 fighter jet will be designed in a two-seat command variant to control a swarm of heavy Okhotnik combat drones, a defense industry source told TASS. The fighter jet, already in development, is presumed to control about four Okhotnik drones," the source said. As the press office of Russia's United Aircraft Corporation (UAC) earlier told TASS, the latest Okhotnik drone will strike aerial and ground targets in network centric interaction with a Su-57 fighter. The serial deliveries of Okhotnik heavy strike drones to the Russian troops are scheduled to begin from 2024. |
| tass.com 27.07.2021 | RUS: Il-112V to replace Soviet-time military transport aircraft — chief designer | Russia's latest military transport plane, Il-112V, will help to upgrade Russia's fleet of military transport aircraft, currently dominated by Soviet-made An-26, said Sergei Ganin, the chief designer of the Ilyushin aircraft maker (part of the United Aircraft Corporation). "Il-112V is a light military transport plane that can replace turboprop aircraft, such as An-24 and An-26. The Il-112V is an aircraft of the present day, which fully corresponds to requirements for its equipment, engine, environmental norms and noise level," Ganin said. In his words, all of the plane's spare parts, systems and equipment are fully Russian-made. |
| iz.ru 26.07.2021 | RUS: Corporation "MiG" began the development | The Russian Aircraft Corporation (RSK) "MiG" began the development of a carrier-based fighter of the fifth generation, which will be made using stealth technology. A source in the military-industrial complex told RIA Novosti. "Now there is a stage of computer modeling, the first prototypes of the machine are planned to be |

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| | of carrier-based fighter of the 5th generation | <p>released in the next few years," the agency quoted the interlocutor as saying on Monday, July 26. The source added that within the framework of the project, a fighter with vertical take-off and landing can also be designed.</p> <p>It is expected that the aircraft will be made in the dimension of the MiG-35 within the complex: a carrier-based aircraft plus an unmanned aerial vehicle weighing more than 10 tons. "The device should be used in conjunction with the fighter in the framework of the concept of "faithful wingman". Its functions are either refueling or joint strikes," the source added. The first flight of the fighter is scheduled for 2023.</p> |
| saab.com 26.07.2021 | Saab Delivers T-7A Aft for the Flight Test Program | The production and shipment of this aft airframe section is the latest milestone in Saab's contribution to the design and development of the T-7A Red Hawk trainer for the United States Air Force. The shipment on 24 July 2021 was from Saab's Linköping site in Sweden to Boeing in St. Louis, Missouri, USA. On completion of the Engineering and Manufacturing Development (EMD) production phase, Saab's brand new facility in West Lafayette, Indiana, USA will undertake Saab's production of the aft airframe sections for the T-7A program. In April 2021, Saab delivered its first T-7A Red Hawk aft airframe section for assembly as a ground-based structural testing aircraft. Upon arrival at Boeing in St. Louis, Saab's aft section was joined perfectly with the front fuselage in less than 30 minutes. T-7A Red Hawk is an all-new, advanced pilot training system designed for the U.S. Air Force to train the next generation of combat pilots for decades to come. |
| reuters.com 22.07.2021 | NGA: Nigeria receives first six light attack planes from United States | Nigeria received its first six A-29 Super Tucano planes, the air force said on Thursday, four years after the United States agreed to sell the West African country the light attack aircraft to fight insurgents. The planes, the first half of an order of 12, arrived in the northern city of Kano on Thursday, the air force said in a statement. The aircraft order, including thousands of bombs, rockets and a servicing agreement, came at a cost of \$593 million. |
| tass.com 22.07.2021 | IND: Russia to upgrade Indian Air Force's MiG-29 fighters by 2022 | The upgrade of the Indian Air Force's MiG-29 fighters under the existing contract to the MiG-29UPG level will be completed in 2022, Director of Russia's Federal Service for Military-Technical Cooperation Dmitry Shugayev told TASS at the MAKS-2021 international air show on Thursday. It was reported earlier that about 60 MiG-29 fighters of the Indian Air Force would be upgraded to the MiG-29UPG level. MiG-29 combat aircraft are being upgraded using Russian components, including radio-electronics and armaments. |
| defbrief.com 22.07.2021 | FRA: France orders Thales helmet-mounted | The French defense procurement agency (DGA) has awarded Thales a contract for the delivery of its Scorpion helmet-mounted sights and digital multi-function displays for the country's Rafale fighters. The order also includes deliveries for the F4 variant of the Rafale, which is expected to be introduced from 2022. The French Air and Space Force and the French Navy are constantly upgrading their Rafales with new capabilities, with the |

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| | displays for Rafale fighters | <p>most recent enhancement package, the F3-R standard, achieving operational status in March this year. In addition to upgraded display systems, the new F4 standard will bring upgrades to the radar sensors, front sector optronics, and new weapons, including Mica NG air-to-air missiles and the 1,000-kg AASM air-to-ground modular weapon.</p> <p>Coupled with the aircraft's weapon systems, the Scorpion helmet-mounted sight and display enhances tactical situational awareness and enables crews to respond more quickly and with greater agility to a whole range of threats. As explained by Thales, the helmet-mounted display symbiology brings together information from the aircraft's onboard sensors to help pilots perform their missions even in the most challenging situations. It creates a continuum between the cockpit and the outside world to radically improve awareness of the tactical situation. Coupled with the weapon system, the display can be used to designate and track targets anywhere in the crew's field of view in daylight and at night.</p> |
| <p>economictimes.com indiatimes.com 21.07.2021</p> | <p>IND: Three more Rafale jets arrive in India from France</p> | <p>A seventh batch of three more Rafale fighter jets arrived in India after flying non-stop for a distance of almost 8,000 km from France, in a further boost to the strike capability of the Indian Air Force (IAF). The new batch of the aircraft will be part of the IAF's second squadron of the Rafale jets. The aircraft were provided mid-air refuelling by the air force of the United Arab Emirates (UAE). "Three Rafale aircraft arrived in India a short while ago, after a direct ferry from #IstresAirBase, France. IAF deeply appreciates the support by UAE Air Force for in-flight refuelling during the non-stop ferry," the IAF said in a tweet. Following the arrival of the new batch, the number of Rafale jets with the IAF went up to 24. The new squadron of Rafale jets will be based in Hasimara airbase in West Bengal. The first Rafale squadron is based in the Ambala air force station. A squadron comprises around 18 aircraft.</p> <p>The Rafale jets are capable of carrying a range of potent weapons. European missile maker MBDA's Meteor beyond visual range air-to-air missile, Scalp cruise missile and MICA weapons system will be the mainstay of the weapons package of the Rafale jets.</p> |
| <p>flightglobal.com 21.07.2021</p> | <p>GRC: Defence Dassault delivers first used Rafale to Greece</p> | <p>Dassault Aviation has handed over the first of an eventual 18 Rafale multirole fighters to the Greek air force. Delivered during a ceremony at the company's flight-test facility at Istres air base in the south of France on 21 July, the initial example – and five subsequent jets – are second-hand aircraft sourced from the French air force. Greece will eventually field 18 Rafale fighters. These will be used for training in France, before transferring to their new home at Tanagra air base. Athens signed for the Rafales – 12 used and six new-build aircraft – in January. First 12 examples will be sourced from French air force. Greece has been a Dassault customer for the last 45 years, over the years operating Mirage F1, 2000, and 2000-5 fighters.</p> |

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| tass.com 21.07.2021 | RUS/IND: Russia hands over commercial offer to India for delivery of 21 MiG-29 fighters | The Indian Air Force Staff has sent a tender inquiry for the delivery of 21 planes in 2021. Russia has handed now over a commercial offer to India for the delivery of this batch of MiG-29 fighters. The Times of India reported in January that India planned to purchase 21 MiG-29 light fighters and 12 Su-30MKI fighter aircraft from Russia. The purchase of the batch of MiG-29 fighters would boost the number of these aircraft in the Indian Air Force to 59. The purchase of Su-30MKI combat planes would increase the number of these aircraft in the Indian Air Force to 284, the paper said. |
| tass.com 21.07.2021 | RUS/IDN: Russia intent on delivering Su-35 jets to Indonesia, agency vows | Russia is poised to supply a batch of Sukhoi Su-35 multirole fighters to Indonesia despite the pressure being exerted on this Asian-Pacific country, a spokesperson for the Federal Service for Military-Technical Cooperation, Valeria Reshetnikova, told reporters at the MAKS-2021 air show on Wednesday. |
| the-japan-news.com 20.07.2021 | JPN: Japan, U.K. firms to codevelop engine for ASDF's next-generation jet | The government is in the final stage of negotiations to commission IHI Corp. and British Rolls-Royce PLC to codevelop an engine for the Air Self-Defense Force's next-generation fighter jet. The government wants to utilize the technologies of Japan, Britain and the United States in the development of the jet, which will succeed the F-2 fighter. U.S. Lockheed Martin Corp. has already been selected to work on the jets' stealth technology. The next-generation fighters are expected to be introduced in the mid-2030s when the retirement of F-2 fighters begins. Mitsubishi Heavy Industries Ltd., the main developer in charge of the new jet's airframe design and system development, is receiving technological support from Lockheed, developer of the cutting-edge F-35 stealth fighter. The Defense Ministry is aiming to develop a prototype of the next-generation fighters in the mid-2020s and plans to include design costs for the engine and airframe in the budget estimate for fiscal 2022. Development costs alone are expected to exceed ¥1 trillion. The ASDF's main fleet will comprise the next-generation jets, F-35s and F-15s, according to forecasts. Including stealth-equipped fifth-generation fighters and fourth-generation jets such as the F-15, Japan currently has 313 fighter jets, far fewer than China, which has 1,146. "We have no choice but to improve standards," a senior defense ministry official said.Speech. |
| alert5.com 20.07.2021 | IDN: Indonesia to buy another six T-50i jets | Korea Aerospace Industries (KAI) announced on Jul. 20 that Indonesia has decided to take up a follow on order for six T-50i advanced jet trainers. The deal is worth approximately \$238 million and includes a maintenance package. The contract runs from Dec. 16 to Oct. 30, 2024. <i>(Anmerkung Redaktion: Aktiv: 20)</i> |

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| <p>defenseworld.net 20.07.2021</p> | <p>RUS: Putin Unveils Russia's New Single Engine Jet 'LTS Checkmate Fighter'</p> | <p>Russian President Vladimir Putin today unveiled United Aircraft Corporation (UAC)'s new single engine stealth fighter jet at the MAKS-2021 air show in Zhukovsky near Moscow called 'LTS Checkmate Fighter.' LTS is a fifth-generation light single-engine fighter which combines innovative solutions and technologies, including artificial intelligence support for the pilot's work, as well as proven solutions The fighter has low visibility and high flight performance. Supercomputer technologies are widely used in the work on the LTS Checkmate project, according to a UAC release.</p> <p><i>(Ergänzende Information reuters.com vom 20.07.2021: The warplane, given the project name "Checkmate", is likely to be touted as a rival to the U.S. F-35 stealth fighter, said Oleg Panteleyev, head of the Aviaport analytical agency. The warplane is expected to take to the skies in 2023 with a first batch due to be produced in 2026, Yury Slyusar, head of the United Aircraft Corporation told reporters. Russia plans to produce 300 of the aircraft over 15 years once serial production begins, he said.)</i></p> <p><i>(Ergänzende Information tass.com vom 20.07.2021: The new Sukhoi single-engine jet fighter can carry up to five air-to-air missiles of various range, according to the Rostec presentation. "The new light jet fighter can carry up to five air-to-air missiles of various range in its top version," the presentation says. The machine is capable of carrying the entire spectrum of fifth generation missiles and bombs. During the presentation, the plane was accompanied by mock RVV-MD, RVV-SD and H-59MK missiles. It can operate in a networking combat system and act as a part of a group of manned and unmanned aircraft, says Checkmate chief designer Mikhail Strelets said in an interview for TASS Tuesday. "Both manned and unmanned versions of the Checkmate can operation in a networking combat system, which means acting as a part of a group of manned and unmanned aircraft," Strelets said.)</i></p> <p><i>(Ergänzende Information tass.com vom 20.07.2021: The new Sukhoi jet fighter will have maximum standardization with the Su-57 plane in order to decrease the price, Minister of Industry and Trade Denis Manturov told journalists Tuesday.)</i></p> <p><i>(Ergänzende Information airforcemag.com vom 21.07.2021: Russia officially unveiled its new Checkmate fighter at the MAKS airshow July 20, offering a series of ambitious performance claims about the jet, which it is clearly promoting as a low-cost, single-engined alternative to the F-35 in the world market. Company officials said an unmanned version may become available. (Vollständiger Beitrag abrufbar unter: https://www.airforcemag.com/russia-officially-unveils-new-checkmate-fighter-but-performance-claims-are-ambitious/)</i></p> <p><i>(Ergänzende Information breakingdefense.com vom 22.07.2021: Russia's New SU-75 Checkmate Promises A Lot. Can It Deliver? (Vollständiger Beitrag abrufbar unter: https://breakingdefense.com/2021/07/russias-new-su-75-checkmate-promises-a-lot-can-it-deliver/)</i></p> <p><i>(Ergänzende Information defenseworld.net vom 25.07.2021: New Sukhoi 'Checkmate' Jet May not get Su-75 designation!)</i></p> |
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| | | <p><i>(Ergänzende Information defenseworld.net vom 28.07.2021: Russia's United Aircraft Corporation (UAC) has commenced assembling the first prototype of the new Light Strike Fighter (LTS) code-named 'Checkmate,' at the Komsomolsk-on-Amur Aircraft plant (KAANZ) just a week after the official unveiling of a full-size mock-up of the aircraft at the MAKS 2021 event, Interfax reported. The prototype will lead to the first foreign order for the Checkmate stealth jet, the name of the launch customer has not been revealed. Deputy Prime Minister Yuri Borisov said at the unveiling that the LTS already has an anchor customer from abroad but did not comment further.)</i></p> <p><i>(Video abrufbar unter:</i> https://www.youtube.com/watch?v=HPvDb0mYqms and https://www.youtube.com/watch?v=dbtoFHCqrcl)</p> |
| tass.com 20.07.2021 | RUS: Five countries interested in Russia's state-of-the-art Su-57 fifth-generation fighter | <p>Russia's state arms seller Rosoboronexport is holding talks with five countries interested in buying the Su-57 fifth-generation multirole fighter, Rosoboronexport CEO Alexander Mikheyev said at the MAKS-2021 air show on Tuesday. The Sukhoi Su-57 is a Russian-made fifth-generation multirole fighter designated 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 developing a supersonic cruising speed and is furnished with the most advanced onboard radio-electronic equipment. This includes a powerful onboard computer (the so-called electronic second pilot), and a radar system spread across its body along with some other innovations, in particular, an armament placed inside its fuselage.</p> |
| globaltimes.cn 19.07.2021 | CHN: Maker of China's Y-20 large transport plane gives a hint about the aircraft's future engines | <p>China's Y-20 large transport aircraft is expected to switch to domestically developed engines with a high bypass ratio, according to media reports after the aircraft's maker gave a hint in a cartoon. The official Weibo account of the state-owned Aviation Industry Corporation of China (AVIC), the maker of the Y-20, released last week a cartoon of the Y-20 with four big wine barrels covering its engines. Unverified photos and videos of a Y-20 with serial number 7810 have been circulating on social media since this year. The engines of this particular Y-20, dubbed by military observers as the WS-20, are shorter but have a larger diameter than the current ones in service, meaning they have a higher bypass ratio, the eastday.com report said, noting that the AVIC's Weibo post could be the first confirmation on these speculations.</p> <p>Usually, engines with a high bypass ratio are larger but consume less fuel, making it suitable for long-range transport aircrafts while engines with a low bypass ratio are used on fighter jets, the report said, noting that the Y-20s currently in service are equipped with engines with a medium bypass ratio and their power and fuel efficiency are not optimal. With the new engines, the Y-20 will get a boost in not only range and endurance, but also in cargo capacity, eastday.com predicted. In the future, the Y-20 will be produced in large numbers</p> |

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| | | using Chinese-developed engines to serve as a platform that can be developed into different variants, like an aerial tanker or an early warning aircraft, Wei Dongxu, a Beijing-based military expert, told the Global Times. |
| afsoc.af.mil 19.07.2021 | USAF: Cannon's First AC-130J Ghostrider | Airmen with Hurlburt Field, Florida and Cannon Air Force Base delivered a new AC-130J Ghostrider gunship to the 27th Special Operations Wing's specialized fleet July 19, 2021. The arrival of Cannon's first AC-130J Ghostrider represents a significant expansion of force generation capacity as the Air Force Special Operations Command structures for the reemergence of great power competition, tightening fiscal constraints, and the accelerating rate of technological change, demanding significant transformation to ensure Air Commandos are ready to successfully operate in this new environment. |
| pilatus-aircraft.com 16.07.2021 | FRA: Die Französische Luftwaffe kauft zusätzlich neun PC-21 | Im 2017 hat die Französische Luftwaffe, Armée de l'Air et de l'Espace, 17 PC-21 gekauft und bildet seither ihre zukünftigen Militärpiloten erfolgreich mit dem weltweit modernsten Trainingssystem aus. Jetzt hat die Luftwaffe neun PC-21 bestellt, um die Pilotenausbildung mit zusätzlichen Pilatus Trainingsflugzeugen zu verstärken. Die PC-21 werden ab 2023 auf der Basis Cognac Châteaubernard in Westfrankreich stationiert. Seit 2018 sind PC-21 dort im Einsatz. Im 2020 konnten die ersten Piloten ihre Ausbildung, abschliessen. Mit den jetzt bestellten PC-21 wird sich die Flotte auf insgesamt 26 erhöhen. |
| defense.gouv.fr 16.07.2021 | FRA: Évreux Air Base 105 receives its very first C130J | The grip of Évreux received, within it, its very first C130J. The arrival of the aircraft marked the first steps of the Franco-German Squadron on the base. Coming from the air base (BA) 123 of Orléans-Bricy, the transport aircraft was received on the right-of-way of Évreux, accompanied by French crews and mechanics evolving on C130J. A second phase will be set up, at the beginning of August, with the arrival on site of the first German aircrew and mechanics, accompanied by their families. In 2021, about 70 Germans will take up their posts at the Évreux base. By 2024, the Binational Squadron will be armed with 260 soldiers, half of them from across the Rhine. <i>(Ergänzende Information defence-blog.com vom 22.07.2021: Lockheed Martin Corp rolled out the first C-130J Super Hercules transport aircraft of the Luftwaffe (German Air Force). The new C-130J with other five transport planes, which Luftwaffe currently buying, will become part of a joint Franco-German squadron at Evreux airbase, France. According to the formal notification on May 4 by the Pentagon's Defense Security Cooperation Agency (DSCA), the sale to Germany will be worth \$1.4 billion. It comprises three long-fuselage C-130J-30s and three KC-130J refuelers.)</i> |
| rostec.ru 15.07.2021 | RUS: Rostec Announces Presentation of a Fundamentally New | Rostec Announces Presentation of a Fundamentally New Military Plane From UAC at MAKS-2021. The United Aircraft Corporation (part of Rostec) will present a fundamentally new military aircraft on July 20, the first day of the MAKS-2021 International Aviation and Space Salon in Zhukovsky. "Russia is one of the few countries in the world with full-cycle capacities for producing advanced aircraft systems, as well as a recognized trendsetter |

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| | <p>Military Plane From UAC at MAKS-2021</p> | <p>in the creation of combat aircraft. The new product developed by UAC specialists should arouse genuine interest not only in our country, but also in other regions of the world, including our competitors abroad”, said the Rostec spokesman.</p> <p>Individual elements of the new plane can already be seen in the video posted on the checkmate.uacrussia.ru project page. The video also contains allusions to the key characteristics and unique properties of the project.</p> <p><i>(Teaser video “Turn the chessboard” abrufbar unter: https://checkmate.uacrussia.ru/)</i></p> |
| <p>airforcemag.com 15.07.2021</p> | <p>USAF: Progress on B-21 Means Current Bombers Need a Fast Retirement</p> | <p>The Air Force needs to move quickly as it brings on the B-21 and modernizes the B-52, because operating four bombers at a time is not sustainable. This means the venerable B-1s and B-2s need to head to the boneyard for retirement ASAP, the service’s top planner said. The secretive, next-generation B-21 Raider is being built right now and will be flown in the “not-too-distant future,” said Lt. Gen. David S. Nahom, the deputy chief of staff for plans and programs, during a July 14 AFA Mitchell Institute for Aerospace Studies event. When that happens, the Air Force will be flying the B-1, B-2, B-52, and B-21 simultaneously. “That is not affordable,” Nahom said. “The B-1 and B-2, as phenomenal as they are, we’ve got to get those out of service as the B-21 comes on and we get ourselves to that two-bomber fleet, which is a B-21 and a modernized B-52.” The Air Force eventually wants to grow to a fleet of 220 bombers. The Air Force expects the first B-21 to roll out of the factory and make its first flight in 2022, when it heads to Edwards Air Force Base, Calif., for testing.</p> |
| <p>airforcemag.com 14.07.2021</p> | <p>USA: F-35 Block 4 upgrade - House Armed Services subcommittee</p> | <p>The Block 4 upgrade, which the Air Force has said is key to ensuring the F-35 can win a peer fight, also came under scrutiny. Jon Ludwigson, director of contracting and national security acquisitions for the GAO, reiterated concerns from his office that the timelines attached to full production capability and the Block 4 have been too optimistic, setting up the program to miss deadlines. That, combined with supply chain issues and sustainment costs, “raise questions about how many aircraft can realistically be produced on time in the near term while supporting fielded aircraft,” Ludwigson testified. Without Block 4, though, the Air Force decided not to add any F-35s to its 2022 unfunded priorities list, said Lt. Gen. David S. Nahom, deputy chief of staff for plans and programs. For every F-35 the service buys before the Block 4 upgrade, he said there will be a cost to retrofit with the new capabilities. And in certain cases, Ludwigson added, those retrofits could happen before the aircraft are even delivered to the Defense Department in the first place.</p> <p>The question of just how many F-35s the Air Force will order in the near future remains open ended; Chief of Staff Gen. Charles Q. Brown Jr. has said the results of an ongoing tactical aviation study will determine if the</p> |

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| | | <p>service will surge its production of the jet. On July 13, Nahom told the subcommittee that he expects that study to be completed by the end of the summer.</p> <p><i>(Vollständiger Beitrag abrufbar unter: https://www.airforcemag.com/more-than-40-air-force-f-35-without-engines/)</i></p> |
| af.mil 14.07.2021 | USAF/USN: AMC approves operational Centerline Drogue System as first KC-46A Interim Capability Release milestone | <p>New Hampshire-based KC-46A aircrew refuel a U.S. Navy F/A-18F Super Hornet off the coast of Maryland, July 1, 2020. This marked the first time the aircrew utilized the KC-46A Centerline Drogue System to refuel an aircraft. While the KC-46A is a maturing weapons systems with some operational restrictions, it now has proven capabilities that can be employed operationally for probe and drogue air refueling. The Air Force continues to conduct boom air refueling with fighter, bomber and transport aircraft for training, exercise, demonstration and familiarization missions before formally operationalizing the capability.</p> <p><i>(Ergänzende Information janes.com vom 21.07.2021: The US Air Force (USAF) has approved the Boeing KC-46A Pegasus aerial refuelling tanker's centerline drogue system (CDS) to refuel US Navy (USN) and US Marine Corps (USMC) aircraft, according to an expert. The KC-46A will eventually have drogue assemblies placed on its wings, allowing it to simultaneously refuel up to three, but usually two, USN or USMC aircraft. The pilot of the receiver aircraft inserts the aircraft's probe into the drogue to begin refuelling. The probe-and-drogue method puts the receiving pilot in control of the operation. USAF aircraft use a boom, which has so far not been approved for the KC-46A operational use due to issues with the remote vision system (RVS) and the telescoping actuator)</i></p> |
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| | | Hubschrauber und Kipprotor-Flugzeuge |
| tass.com 25.07.2021 | RUS: Russian Armed Forces to receive in November first batch of newest helicopters Mi-8AMTSh-VN | <p>The first batch of Mil Mi-8AMTSh-VN new helicopters for Special Operations Forces will be commissioned with the country's Armed Forces in early November, CEO of Russian Helicopters Group Andrei Boginsky told TASS. The next batch is scheduled to be commissioned in 2022. The new helicopter has been developed in its special modification, considering the experience of combat operations in Syria. As its main specific feature, a Mi-8AMTSh-VN helicopter employs two side-mounted 12.7mm forward-firing machine-guns. The helicopter is outfitted with new flight control and navigation equipment, a gyro-stabilized opto-electronic system, a searchlight with an infrared emitter, dual-band lighting equipment and is adapted for using night vision goggles.</p> |

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| | | In order to increase its combat survivability, the Mi-8AMTSh-VN is outfitted with a digital autopilot system and a defensive aids suite that automatically detects missile launches against the helicopter, jams missile homing warheads and releases heat flares. The crew's cabin and the helicopter's main systems are protected by the new armor made of titanium alloy. The floor of the cargo compartment and the helicopter's sides are shielded up to the windows with the removable lightweight Kevlar armor to protect the crew. |
| taiwannews.com 23.07.2021 10:39 | TWN: Taiwan Army to hold missile-firing exercise in August | The Taiwan Army will hold a live-fire exercise from late August to early September. Military officials on Thursday (July 22) revealed that Apache, SuperCobra, and Kiowa helicopters from the Army's 601st and 602nd Air Cavalry Brigades, as well as a training unit, will launch a barrage of Hellfire and Stinger missiles to certify the brigades' combat capabilities. |
| defensenews.com 22.07.2021 | USArmy: US Army National Guard to get first UH-60Vs this month | A U.S. Army National Guard unit is set to get the first Victor-model Black Hawks this month. The UH-60V converts a Lima-model Black Hawk from an analog cockpit to a digital one, intended to better match the capability of a Mike-model, the latest variant of the helicopter. The Army partnered with Corpus Christi Army Depot, Texas, to convert L-models into new V-models at a rate of 48 aircraft per year, which some have called too slow, as it would take 15 years for the service to produce all 760 aircraft. The Army has been looking at ways to speed that up. The Victor-model is the first foray into an open architecture system for the Army's fleet of helicopters and could serve as a foundation or model for the service as it attempts to field two future vertical lift aircraft by 2030 with modular open system backbones that will allow for easy capability upgrades, plug-and-play mission systems and promote system-level competition throughout their life cycles. |
| tass.com 22.07.2021 | RUS: Russia's upgraded Ka-52 gunship to enter state trials soon | The upgraded Ka-52M 'Alligator' reconnaissance/assault helicopter will enter state trials soon, CEO of the Russian Helicopters Group (part of the state tech corporation Rostec) Andrei Boginsky told TASS on Thursday. "Now two helicopter prototypes have been made, and their trials have already been completed. We are now presenting this helicopter to the Defense Ministry for joint state trials. As the gunship's designers say, the Ka-52M missile armament has been standardized with the weapons suite of the Mi-28NM helicopter, another state-of-the-art Russian attack chopper, which has helped increase the target destruction range considerably. The Ka-52M is also furnished with a new phased array radar station and longer-range missiles. The upgraded gunship prototype performed its debut flight on August 10, 2020. Delivery of mass-produced gunships to the Russian troops is due to begin in 2022. The Ka-52 'Alligator' reconnaissance/attack helicopter is designated to destroy tanks, armored and non-armored vehicles, manpower, rotorcraft and other enemy aircraft on the |

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| | | frontline and in the tactical depth, in any weather conditions and at any time. The 'Alligator' is furnished with modern avionics and powerful armaments while its coaxial rotor system and enhanced longitudinal control enable it to effectively maneuver and perform complex aerobatic operations. |
| leonardocompany.com 20.07.2021 | POL: Leonardo's AW101 for the Polish Navy flies for the first time | <p>Leonardo is pleased to announce that the Polish Navy's first AW101 (ZR285) achieved its first flight yesterday at the Company's site in Yeovil. The flight envelope will now be opened further with testing exploring the bespoke mission equipment fitted to the aircraft. In April 2019, the company announced it would supply four AW101s and a comprehensive integrated logistics and training package to the Polish Ministry of National Defence. The aircraft will significantly enhance the Polish Navy's helicopter capability. The AW101 will perform a range of missions for the Polish Navy including Anti-Submarine Warfare (ASW) and Combat Search and Rescue (CSAR). The helicopter is already in service in some of the most important NATO nations, such as Italy, the UK, Canada, Denmark, Norway, and Portugal.</p> <p>The AW101 for the Polish Naval Aviation Brigade will be equipped with the most modern mission systems, including autopilot with SAR modes, data transmission system, tactical navigation system and protection and defence systems (passive and active). In addition, the AW101 will be equipped with a tactical radio, reconnaissance radar, an observation head (FLIR) and an S-mode transponder. It will also be equipped with a 12.7 mm machine gun. In addition, there will be a searchlight and arrayed lights, which will ensure good visibility in all-weather conditions.</p> |
| economictimes.indiatimes.com 17.07.2021 | IND: US Navy hands over MH-60R maritime helicopters to India | <p>In yet another sign of strengthening India-US defence relationship, the US Navy has handed over the first two MH-60R Multi Role Helicopters (MRH) to the Indian Navy to bolster its capabilities to ward off regional threats and to strengthen homeland defence. The Indian Navy is procuring 24 of these helicopters manufactured by Lockheed Martin under foreign military sales from the US government at an estimated cost of USD2.4 billion. The MH-60R helicopter is an all-weather maritime helicopter designed to support multiple missions with state-of-the-art avionics. The induction of these MRH would enhance Indian Navy's three-dimensional capabilities. The helicopters would also be modified with several unique equipment and weapons. The MH-60R helicopter is an all-weather maritime helicopter designed to support multiple missions with state-of-the-art avionics. The induction of these MRH would enhance Indian Navy's three-dimensional capabilities. The helicopters would also be modified with several unique equipment and weapons. The first batch of the Indian crew is presently undergoing training in the US. According to the Department of Defense, the proposed sale will provide India the capability to perform anti-surface and anti-submarine warfare missions along with the ability to perform secondary missions including vertical replenishment, search and rescue, and communications relay.</p> |

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| thedrive.com 27.07.2021 | General Atomics Unveils New "LongShot" Aircraft-Launched Air-To-Air Combat Drone Rendering | General Atomics Aeronautical Systems, or GA-ASI, has revealed for the first time an artist's impression of a missile-carrying air-to-air combat drone that it is developing as part of the Defense Advanced Research Projects Agency's LongShot program. GA-ASI, as well as Lockheed Martin and Northrop Grumman, is working on this project, which calls for an unmanned aircraft that can be launched in mid-air from a manned aircraft before flying into potentially more hazardous environments and engaging aerial threats using its own missiles. |
| economictimes.com indiatimes.com 23.07.2021 | IND: Navy declares 'no-fly zone' for drones, UAVs around installations in Bengal | The Navy on Friday declared a 'no-fly zone' around its installations in West Bengal for non-conventional aerial objects, drones and unmanned aerial vehicles. The move comes in the wake of an attack on the Indian Air Force station at Jammu with armed drones and reported sightings of similar objects around the sensitive region near the India-Pakistan border. "An area of radius 3 km from the perimeter of all Indian Navy establishments/areas and naval assets in West Bengal is hereby designated as 'No-Fly zone'..." a statement from the office of the Naval Officer-in-Charge, West Bengal, said. |
| scmp.com 23.07.2021 | CHN: China uses drone to restore phone coverage, assess damage after floods | China deployed drones to aid emergency communications and conduct damage assessment in areas affected by this week's floods, mainland media reported. The Wing Loong 2H was twice flown from Guizhou province in the south to the central Henan province. It represented the first disaster relief deployment for the Wing Loong 2H emergency relief unmanned aerial vehicle (UAV), which had been tested in an exercise last October for tasks such as restoring communications and sending real-time images in areas without base station coverage. Emergency services once relied on helicopters to drop supplies and equipment in disaster-hit areas, but all-weather, long-duration drones such as the Wing Loong 2H can perform relief operations more safely and efficiently. |
| airforcemag.com 22.07.2021 | USAF: Secret Global Hawk Successor Due in 2027-2029 | The successor to the RQ-4 Global Hawk should be available for service late in this decade, Lt. Gen. David S. Nahom, Air Force deputy chief of staff for plans and programs, told the Senate Appropriations Committee on July 21. Answering questions on divestitures of systems the Air Force wants to make in order to free up funds for new technologies, Nahom said the Block 40 Global Hawk fleet is no longer survivable against modern air defenses and that its replacement is coming, but not swiftly. At "the speeds it flies, the altitudes it flies, and the makeup of the aircraft, it's just not survivable in these contested environments that we're going to be looking to gather intelligence from in the future," Nahom said of the Block 40 Global Hawk. But "we rely on it" to meet the Ground Moving Target Indicator mission, along with the E-8 Joint STARS. He noted that the Air Force is starting to retire the E-8s due to their advanced age. "The Block 40s will be very critical in the next six, |

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| | | seven, eight years, while we go to the ‘what next,‘” Nahom said. He deferred further discussion of the follow-on capability to a closed, classified session. |
| airforcemag.com 22.07.2021 | USAF: MQ-9 Reaper | Lt. Gen. David S. Nahom, Air Force deputy chief of staff for plans and programs said the MQ-9 Reaper, “as ... incredible as it is,” particularly in the Middle East, “is not survivable. It was never designed for what we foresee ... in the South China Sea.” With about 300 MQ-9 aircraft, the Air Force has enough, he said, and will re-jigger how they are organized to save some money on manpower and contract operations. Nahom said it’s “appropriate” to do so now that the U.S. is reducing its footprint in the Middle East. Asked what will replace the MQ-9, Nahom again said the details are secret. The Air Force has said it will upgrade some of the MQ-9 fleet with Link 16 datalinks, increased electrical power, longer wings, and new electro-optical systems, as well as an open architecture to rapidly upgrade its capabilities. |
| timesofisrael.com 22.07.2021 | ISR: UAVs played key role in May’s Gaza conflict, amassing over 6,000 flight hours during 11 days of fighting | Brig. Gen. Yoav Amiram, commander of the IAF’s Palmachim Air Base said the Israel Defense Forces relied on the air force’s drone expertise extensively during May’s conflict between Israel and Palestinian terror groups in the Gaza Strip. According to IDF figures, remotely controlled aircraft conducted 643 sorties during the 11-day battle, known as Operation Guardian of the Walls, with drones collectively amassing 6,231 flight hours during Operation Guardian of the Walls— meaning on average, at any given time at least two dozen unmanned aerial vehicles were in the air over Gaza throughout the campaign. Drones of all types were used extensively throughout the conflict, from larger models like the Hermes-450 and Hermes-900 — which can reportedly be used for both reconnaissance and attack missions — to smaller multi-rotor copter drones, some of which were used in a so-called drone swarm during the conflict. |
| ga-asi.com 22.07.2021 | GBR: GA-ASI and UK MOD Exercise Contract for Additional 13 Protector RPAS | The UK Ministry of Defence (MoD) has exercised the clause in its contract with General Atomics Aeronautical Systems, Inc (GA-ASI) to manufacture and deliver 13 additional Protector RG Mk1 Remotely Piloted Air Systems (RPAS) that had previously been identified as options. The initial contract order was for three Protector RPAS, establishing 16 as the new total of Protectors to be delivered to the UK MoD. GA-ASI’s MQ-9B SkyGuardian® is the baseline system being configured for the RAF as the Protector RG Mk1. It includes X-band satellite communications (SATCOM) and support for UK weapon systems, as well as the aircraft’s onboard sensors such as its electro-optical sensor ball and Lynx® Multi-mode Radar. Known as UK1, this first Protector will be delivered to the MoD later this year, but will remain in the U.S. to complete the Royal Air Force’s test and evaluation program before moving to its UK home base in 2022. Protector enters RAF service in 2024. |
| tass.com 20.07.2021 | RUS: | The Russian Helicopters Group (part of the state tech corporation Rostec) unveiled a BAS-200 small rotary-wing drone at the MAKS-2021 air show on Tuesday. The helicopter drone has a gross take-off weight of 200 kg and |

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| | Russian helicopter manufacturer unveils rotary-wing drone at MAKS air show | can operate for four hours. The drone comes together with a mobile control post mounted on a car trailer. The new rotary-wing drone can be used to monitor the terrain and deliver cargoes of 50 kg. |
| defenseworld.net 20.07.2021 | TUR: Turkey's Baykar Unveils Concept of New Unmanned Fighter | Turkey's Baykar Savunma today released official rendering of its new jet-powered unmanned aircraft system or Combat Unmanned Aerial System (MIUS). Baykar has begun the conceptual design phase of the MIUS. This new aircraft reportedly will work at an altitude of at least 40,000 feet with a weapon payload of 1.5 tons (able to carry air-to-air missiles, high load precision bombs, cruise missiles) and fly at 1,4 Mach speeds. MIUS will be equipped with AI 25 turbofan engine developed by the Ukrainian Ivchenko Progress company. |
| taiwannews.com.tw 19.07.2021 | TWN: Military expert calls on Taiwan to bolster its drone defense capabilities | The Institute for National Defense and Security Research (INDSR) on Friday (July 16) published a paper recommending that Taiwan consider Western-developed drone defense systems, as drones have become an increasingly prevalent technology in modern warfare. The report, written by INDSR assistant researcher Hsu Chih-hsiang (許智翔) and titled "The development of remotely-controlled weapons stations (RWS) to be integrated into anti-drone capabilities is worthy of Taiwan's attention." Hsu said that drone technology is growing exponentially and has become a major threat on the battlefield. The researcher added that because China is already leading the world in commercial drones, Taiwan would certainly face the threat of unmanned aerial vehicles (UAV) deployed by its neighbor during a military conflict. The researcher said that soft kill systems, including drone jamming guns, are useful during both peace and wartime, especially in densely populated areas. He added that Taiwan should consider integrating RWS into its drone defense capabilities as it reviews its UAV countermeasure needs. |
| timesofisrael.com 16.07.2021 | ISR: IDF says drone crashed in Lebanon due to malfunction, no data leaked | An Israeli military drone crashed in Lebanese territory on Friday due to a technical malfunction, the military said. The Israel Defense Forces said the incident was being investigated and added that no sensitive information had been lost due to the crash and there was no risk of intelligence being taken from the device. Small, off-the-shelf models used for simple reconnaissance missions are the types of drones that fell in previous similar incidents along the Lebanese border. Such drones, which are relatively cheap, crash or are brought down in Lebanon — and the Gaza Strip — at a frequency of once every few months. On Wednesday, an IDF-operated Elbit Skylark — a larger surveillance UAV — fell in the Palestinian West Bank town of Tubas. It was later retrieved by soldiers, a military spokesperson said. |

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| <p>dailysabah.com 15.07.2021</p> | <p>UKR: Ukrainian navy receives 1st Turkish Bayraktar TB2 UCAV</p> | <p>The Ukrainian Naval Forces Command received the first batch of Bayraktar TB2 unmanned combat aerial vehicles (UCAVs) systems, according to top officials Thursday. Ukraine had ordered the UCAVs and Turkish MILGEM (National Ship) Ada-class corvettes at the end of 2020. The Ukrainian army already has Baykar's Bayraktar TB2s in its inventory, but this is the first time a product from the defense company is entering the navy's inventory. Oleksiy Neizhpapa, commander of the Ukrainian navy, announced earlier that the UCAVs produced by Baykar for the Ukrainian navy are scheduled to be delivered by the end of 2021.</p> |
| <p>occar.int 15.07.2021</p> | <p>OCCAR: Occar and Male RPAS partners sign grant agreement on the development of the Eurodrone</p> | <p>In presence of the main MALE RPAS industrial partners (Leonardo S.p.a, Airbus Defence & Space SAU and Dassault Aviation), the OCCAR-EA Director and a senior representative from Airbus Defence & Space GmbH (coordinating company) signed the Grant Agreement to allow European Defence Industrial Development Programme (EDIDP) funding from the European Union to partially finance the MEDIUM ALTITUDE LONG ENDURANCE REMOTELY PILOTED AIRCRAFT SYSTEM (MALE RPAS) programme (aka EURODRONE). The EURODRONE is one of the two European cooperative programmes identified by the European Commission (EC) for direct awards co-funded by the EDIDP. This is an important step in the deepening of the European defence cooperation.</p> <p>The OCCAR European MALE RPAS programme provides sovereignty and technological independence as well as unique operational capability to Europe in the field of unmanned aerial surveillance. The Eurodrone is planned to become one of the main pillars of any future combat air system and will offer European industries the opportunity to participate in a large Unmanned Aerial Vehicle programme that is designed to integrate into civil air traffic and operate in non-segregated airspace. The programme includes development and manufacturing of 20 drone systems, which each contain 3 aircraft and 2 ground control stations. Furthermore it includes Ground Support Equipment, spare parts incl. warehousing, training and 6.5 years initial in-service support.</p> <p><i>(Factsheet abrufbar unter: http://www.occar.int/programmes/male-rpas)</i></p> |
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| janes.com 29.07.2021 | RUS: Russia unveils Kh-59MKM upgrade variant air-to-surface missile | The Raduga Design Bureau, a subsidiary of Russia's state-owned JSC Tactical Missiles Corporation (KTRV), unveiled an upgraded derivative of the TV-guided Kh-59MK extended-range air-to-surface missile at the MAKS 2021. With an all-up weight of 930 kg, the new Kh-59MKM is 5.7 m in length, 380 mm in diameter (with a slightly larger nose section diameter of 420 mm), and a has wingspan of 1.3 m. While the Kh-59MKM airframe retains the same airframe dimensions as the earlier Kh-59MK, the absence of a seeker section has enabled the inclusion of a heavier warhead, a KTRV spokesperson told Janes. Designed to penetrate static hardened and buried targets, the missile is equipped with a 360 kg lethality package comprising a 40 kg array of four shaped pre-charges with a contact delayed-action fuse mounted under the radome, and an organic 320 kg penetrating tandem warhead. The KTRV spokesperson said that Kh-59MKM is able to penetrate up to 3 m of reinforced concrete. |
| defense.gov 28.07.2021 | USAF: AIM-120 Advanced Medium Range Air-to- Air Missile (AMRAAM) Production Lot 35 | Raytheon Missiles and Defense has been awarded a \$482,895,193 modification to contract FA8675-21-C-0034 for Advanced Medium Range Air-to-Air Missile (AMRAAM) Production Lot 35. The modification provides for the exercise of the pre-priced options for Lot 35 production of AMRAAM missiles, AMRAAM Telemetry System, initial and field spares, and other production engineering support hardware and activities. Work has an expected completion date of May 31, 2024. This contract involves unclassified Foreign Military Sales to Canada, Hungary, Korea, Netherlands, and Qatar. |
| defence-blog.com 28.07.2021 | Ukrainian missile maker secures \$200 million contract for R-27 production | Kyiv-based missile maker Artem holding company says it was awarded a \$200 million contract from the unnamed customer for R-27 medium-range air-to-air missile production. An unnamed Asian customer, speculated to be India or Indonesia, has contracted Artem to supply a batch of medium-range missiles designed to intercept and destroy hostile piloted aircraft, drone targets and cruise missiles in a long-range and close-in dogfight. The R-27 (NATO reporting name AA-10 Alamo) is a family of air-to-air missiles originally designed by the Russian design bureau Vympel and built by Russian firm Vympel and Ukrainian Artem. It is intended for integration on fourth-generation fighters such as the MiG-29, MiG-31, Su-27, Su-30, Su-33, Su-34 and Su-35. |
| ukdefencejournal. org.uk 27.07.2021 | GBR: F-35B fitted with Meteor missile 'middle of this decade' | British F-35B jets will be equipped with Meteor missiles by the 'middle of this decade' say the Ministry of Defence. BAE Systems has received an initial funding award from Lockheed Martin, the prime contractor on the F-35 programme, to start integration efforts for MBDA's Meteor beyond visual range air-to-air missile and SPEAR precision surface attack missile. Under this initial package of work BAE Systems and Lockheed Martin will also complete further integration work with MBDA on ASRAAM and with Raytheon on Paveway IV, initially integrated in support of delivering Initial Operating Capability for the UK. |

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| <p>defense.gov 27.07.2021</p> | <p>USN: F/A-18 infrared search and track system</p> | <p>Lockheed Martin Corp. is awarded a \$48,777,624 firm-fixed-price order (N0001921F0316) against a previously issued basic ordering agreement (N0001919G0029). This order procures low-rate initial production systems, to include 11 processors and 12 infrared receivers in support of the F/A-18 infrared search and track system. Work is expected to be completed in February 2023.</p> |
| <p>baesystems.com 26.07.2021</p> | <p>Next-generation stealth missile seekers improve capability and affordability</p> | <p>BAE Systems has received a \$117 million contract from Lockheed Martin to produce next-generation missile seekers for the Long Range Anti-Ship Missile. The LRASM RF Sensor is a precision-guided anti-ship missile designed to give the U.S. Navy the ability to strike high-value targets from long range while avoiding counter-fire. The LRASM sensor uses semi-autonomous guidance and target cueing data to precisely locate and attack targets, reducing reliance on Airborne Intelligence, Surveillance, and Reconnaissance (ISR) platforms, networking links, and GPS navigation. The next-generation seeker design reduces overall missile costs. Following design improvements conducted under a Diminishing Sources/Affordability contract, BAE Systems is producing next-generation seekers for Lots 4 and 5 that are more capable and easier to produce, with less-complicated manufacturing processes. The next-generation seekers have replaced obsolescent and limited-availability parts, dramatically reducing the system cost. The LRASM contract will support missiles for the U.S. Navy, U.S. Air Force, and U.S. allies through Foreign Military Sales, as well as research, development, test, and evaluation services.</p> |
| <p>asiatimes.com 24.07.2021</p> | <p>USA/CHN/TWN: B-52 'Buffs' could rain death on the Taiwan Strait</p> | <p>A 1960s-vintage B-52 can carry a whopping 15 Quickstrike air-dropped sea mines. Six externally and nine internally. Quickstrike mines are not new. The Quickstrike family includes 500-, 1,000-, and 2,000-pound class types, known as the Mk. 62, Mk. 63 and Mk. 64, respectively. These [are] converted from Mk. 80-series high-explosive bombs and feature a fuzing system that detonates the weapon when it detects an appropriate acoustic, seismic or pressure signatures from a passing vessel. A fourth type, Mk. 65, is another 2,000-pound-class Quickstrike mine, but is based on an actual, purpose-built mine casing rather than an existing bomb. the Navy has been pursuing two related upgrade programs, known as Quickstrike-J and Quickstrike-ER, Axe writes. The first of these simply combines the mine with a GPS-guided Joint Direct Attack Munition guidance package, while the latter adds a pop-out wing kit. These are game-changing upgrades that allow aircraft to precisely employ the mines from any altitude and, in the case of the -ER types, loft them at targets up to 40 miles away.</p> <p>A Chinese invasion fleet would face not only Taiwanese forces, but a deadly ocean of death and despair — not to mention, an unending wave of seaborn missiles and hell hath no fury after that. And the United States is obligated by law to assist in Taiwan's defense.</p> |

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| tass.com 21.07.2021 | IND/RUS: Indian JV with Moscow offers BrahMos cruise missile to Russia's Aerospace Force | The BrahMos Aerospace Russian-Indian joint venture is awaiting a decision from Russia's Aerospace Force to acquire the JV's air-launched cruise missile, JV Director from Russia Alexander Maksichev told TASS at the MAKS-2021 international air show on Wednesday. The Indian Air Force currently operates 40 Su-30MKI fighters designated for launching BrahMos missiles. The air-launched BrahMos has an operating range of 300 km and has been test-launched six times at ground and naval targets. |
| defense.gov 20.07.2021 | USN: Quickstrike Extended Range (QS-ER) non-functional glide kit | The Boeing Co. is awarded a \$58,300,000 cost-plus-fixed-fee, undefinitized contract action for the design and production of the Quickstrike Extended Range (QS-ER) non-functional glide kits, glide kit prototype articles, and glide kit shipping containers. <i>(Ergänzende Information navy.mil: The Quickstrike is a family of shallow-water, aircraft-laid mines used against surface and subsurface craft. Quickstrike versions Mark 62 and Mark 63 are converted general purpose, 500-pound and 1,000-pound bombs, respectively. The Mark 65 is a 2,000-pound mine, which utilizes a thin-walled mine case, rather than a bomb body.)</i> |
| tass.com 20.07.2021 | IND/RUS: Russia, India to extend BrahMos supersonic missile's range to 800 km | The flight range of the Russian-Indian BrahMos supersonic missile will be extended to 800 km at the next stage of its upgrade, a source in the defense industry told TASS at the MAKS-2021 air show on Tuesday. The BrahMos (designated PJ-10) is a medium-range ramjet supersonic cruise missile that can be launched from aircraft, submarine, ships or land. |
| ukdefencejournal.org.uk 18.07.2021 | BAE to provide stealth tech to Norwegian defence firm | BAE Systems has been awarded a £3m contract to provide technology for Kongsberg's Joint Strike Missile system for the F-35. The firm says that the new contract will see BAE Systems provide expertise of radar absorbing material and sensor development and technology integration to the highly capable Joint Strike Missile system which is currently being adopted by Norway and Japan. Kongsberg's Joint Strike Missile is the only long range sea and land target missile that can be carried internally in the F-35 aircraft. Kongsberg has also recently placed an order with BAE Systems in Australia to acquire an additional 180 Passive Radio Frequency Sensors (PRS) providing additional capability for its Joint Strike Missile. This completes the first full rate of production order for 200 PRS sensors. |
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| reuters.com 29.07.2021 10:57 AM CEST | IRQ: Rockets hit Baghdad Green Zone, no casualties - security sources | At least two rockets hit Baghdad's fortified Green Zone early on Thursday but caused no casualties, Iraqi security sources said. One senior Iraqi security official said the rockets were launched from a mainly Shi'ite neighbourhood in eastern Baghdad and initial investigations indicate the rockets were targeting the U.S. embassy, but fell short. One rocket landed in a parking lot inside the Green Zone and a second one hit a nearby empty area, said the sources. |
| terrorism-info.org.il 22.07.-28.07.2021 | Spotlight on Global Jihad | This week, the Syrian army and the forces supporting it continued their artillery fire at the rebel enclave in Idlib. At the same time, Russian fighter jets carried out a series of airstrikes. The Syrian army and the forces supporting it continued to comb the desert region (Al-Badia) in order to locate ISIS operatives. The forces were supported by Russian fighter jets, which carried out airstrikes against ISIS targets. |
| alarabiya.net 28.07.2021 01:49 AM GST | SAU/HOUTHİ: Arab Coalition intercepts, destroys Houthi missiles | The Arab Coalition said it has intercepted and destroyed on Wednesday two ballistic missiles launched by the Iran-backed Houthi militia towards Saudi Arabia's Jizan. <i>(Ergänzende Information alarabiya.net vom 29.07.2021: Saudi Arabia's air defenses have intercepted and destroyed an explosive-laden drone launched by the Iran-backed Houthis towards the Kingdom's southern region, according to the Arab Coalition.)</i> |
| thehill.com 28.07.2021 | USA/AFG: US increases Airstrikes in Afghanistan | The U.S. military this week has stepped up airstrikes to help Afghan forces in their fight against the Taliban, the Pentagon confirmed Tuesday. "A number of strikes have occurred over the last several days from both manned and unmanned strike platforms," Pentagon spokesman Maj. Robert Lodewick told The Hill in a statement. No additional details were given. U.S. Central Command (CENTCOM) head Gen. Frank McKenzie also said the U.S. military had increased airstrikes in support of Afghan forces over the last several days. He declined to commit to ending airstrikes against the Taliban by the end-of-August deadline. |
| upi.com 26.07.2021 | USAF/KOR: Global Hawk drone flies near North Korea ahead of Korean War anniversary | An unmanned U.S. reconnaissance aircraft flew over the Korean Peninsula ahead of North Korea's observance of "Victory Day," which marks the anniversary of the 1953 Korean Armistice Agreement. Online tracker Radarbox showed data of movements of U.S. Forces Japan's RQ-4 Global Hawk Sunday. The tracker showed the surveillance aircraft leaving Yokota Air Base on Sunday morning then flying over central South Korea, News 1 reported Monday. The high-altitude plane also navigated an area just below the Korean demilitarized zone |

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| | | for more than 10 hours, aircraft data show. The Global Hawk traveled horizontally or east to west then back again, the report said. The Global Hawk was deployed near North Korea last week, taking to the skies of South Korea Wednesday, Thursday and Friday, according to News 1. The deployment comes after the U.S. military temporarily stationed the RQ-4 at Yokota base. |
| reuters.com 26.07.2021 | IRQ: Iraq paramilitary group says drones target one of its ammunition stores | An Iraqi paramilitary group said on Monday one of its ammunition depots came under drone attack near the southern city of Najaf. It said that at least two separate attacks took place hitting the same depot around dawn, but gave no further details. The U.S.-led military coalition which supports Iraqi forces against Islamic State militants said it had not carried out any air strikes in Iraq or Syria in the last two days. |
| jpost.com 26.07.2021 08:23 AM | JOR: Jordan has been attacked by Iranian-made drones - King Abdullah | Jordan has been attacked by Iranian-made drones and has been hit by Iranian-made missiles that were aimed towards Israel but missed it, hitting Jordan instead, Jordanian King Abdullah II told CNN in an interview on Sunday. "The ballistic technology has improved dramatically," added the Jordanian monarch. "We've seen that, unfortunately, against American bases in Iraq. We've seen Saudi being the recipient of missiles out of Yemen. Israel from Syria and Lebanon to an extent, and what misses Israel sometimes lands in Jordan. So we do have these concerns. During Operation Guardian of the Walls, the IDF shot down an Iranian drone near the border with Jordan in northern Israel. Former prime minister Benjamin Netanyahu said at the time that the drone was believed to have been launched from either Iraq or Syria. In past alleged Israeli airstrikes on Syria, Syrian air defense missiles have fallen by accident in Jordan while responding to the airstrikes. |
| @IAFsite 26.07.2021 00:00 | ISR/GAZA: Response to arson balloons | A short while ago, fighter jets struck a Hamas military base containing infrastructure and means used for terror activity. The military base was placed 205 m adjacent to civilian sites in the Gaza Strip, including a school. The strikes were carried out in response to arson balloons fired towards Israeli territory. The IDF will continue to respond firmly against terror attempts from the Gaza Strip. <i>(Wirkungsvideo abrufbar unter: https://www.jpost.com/arab-israeli-conflict/return-of-incendiary-balloons-leads-israel-to-limit-gaza-fishing-zone-674888)</i> |
| jpost.com 25.07.2021 23:40 | ISR/SYR: | "From 05:40 a.m. to 05:54 a.m., two F-16 tactical fighter jets of the Israeli Air Force, which stayed outside Syria's airspace, delivered a strike, from the southwestern direction, with two guided missiles at facilities in the settlement of Seidat Zeinab in the Damascus governorate," said Vadim Kulit, deputy chief of the Russian Center |

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| | Syrian air defense strikes down Israeli missiles | for Reconciliation of the Opposing Parties in Syria on Sunday. his was the third Israeli attempt to deliver a strike on Syrian territory in the last week. |
| iaf.org.il 25.07.2021 | ISR: Operation "Guardian of the Walls" Debrief | Three months ago, operation "Guardian of the Walls" took place in the Gaza Strip, with the majority of the IDF's activity occurring in the air. Last week, unit commanders from the entire air force gathered for a comprehensive debriefing session of the operation led by IAF Commander, Maj. Gen. Amikam Norkin, with the shared goal of learning and improving, with an emphasis on preparing for combat on the northern front. Operation "Guardian of the Walls" lasted 11 days, and the vast majority of the IDF's activity was conducted from the air - it was Israel's longest air campaign without the entrance of ground troops. That said, the IAF did not apply its full airpower and capabilities. The IAF operated around the clock in defense and attack missions alike. |
| alarabiya.net 24.07.2021 | SAU/HOUTHİ: Saudi Arabia's air defenses intercept four Houthi militia drones | Saudi air defenses intercepted four Houthi militia drones and a ballistic missile targeting Saudi Arabia's southern region on Saturday, according to Al Arabiya sources in the Arab coalition. Drone attacks by Houthi forces on Saudi targets have become common in recent years. |
| timesofisrael.com 24.07.2021 | ISR/RUS: Report: Russia, exasperated, moving to curtail Israeli strikes in Syria | <p>Russia has "run out of patience" with Israel in Syria and is planning a shift in its policies toward Israeli sorties over the country, according to an unconfirmed report on Saturday. The London-based Arabic newspaper Asharq Al-Awsat cited an unnamed "well-informed" Russian source as saying that following talks with Washington, Moscow had got the impression that "Washington does not welcome the continuous Israeli raids," and thus believes it has the freedom to act more aggressively to thwart them. In light of this, the Russians were now supplying Syrian forces with more advanced anti-missile systems and know-how, making them more capable of shooting down Israeli armaments, the report said. It claimed the effect of this was already being seen, with Syrian air defense shooting down seven of eight Israeli missiles during a July 19 Israeli raid. There was no outside confirmation of the Arab newspaper's report.</p> <p>Russia has deployed a large military presence in Syria to support dictator Bashar Assad through his country's brutal civil war. In order to prevent unwanted clashes, Jerusalem and Moscow have maintained a so-called deconfliction mechanism, which has allowed the two countries to effectively communicate with one another and avoid altercations. This mechanism has been generally successful, with the notable exception of an incident in September 2018, in which a Russian spy plane was shot down by a Syrian anti-aircraft missile that had been fired in response to an Israeli attack.</p> |

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| | | <p><i>(Vollständiger Report abrufbar unter: https://www.timesofisrael.com/report-russia-moving-to-curtail-israeli-strikes-in-syria/?utm_source=The+Daily+Edition&utm_campaign=daily-edition-2021-07-24&utm_medium=email)</i></p> <p><i>(Ergänzende Information @ELINTNews vom 24.07.2021: They did this for the Israeli missile attack from fighter jets near Aleppo a few days before the Homs strike this week too. Russians claimed 7 out of 8 missiles shot down but sat images show 2 warehouses destroyed at 2 facilities in the Brigade 80 area northeast of Nayrab Airport.</i></p> <p><i>(Ergänzende Information @ELINTNews vom 24.07.2021: Satellite images show this is a lie- with 4-5 impacts on hardened aircraft shelters at Al-Qusayr airport alone. The Russians and Syrians consistently lie and the Israelis continue to successfully carry out airstrikes on probable Iranian equipment and weapons.)</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 25.07.2021: But on Saturday, the Saudi-based Al-Arabiya news network reported that Imad al-Amin, a military commander for Lebanese terror group Hezbollah, an Iranian proxy whose members have fought in Syria on behalf of Bashar Assad's forces, was killed in one of the Israeli airstrikes this week. Hezbollah confirmed on Telegram that al-Amin was killed "while fulfilling his duties" but did not specify when or how, Israel's Kan public broadcaster reported on Saturday night.)</i></p> |
| reuters.com 24.07.2021 01:12 AM CEST | VEN: Venezuela says U.S. military plane violated its airspace | Venezuela's armed forces said on Friday that a U.S. military plane violated its airspace along the South American country's border with Colombia in what it said was a "flagrant provocation." Venezuela, whose socialist government is under heavy sanctions from Washington, has on several occasions in recent years reported alleged airspace violations. It said that on Thursday evening, a C-17 plane from the U.S. Air Force flew over the Perija mountains in western Zulia state for three minutes. "They are performing reconnaissance tasks on Venezuelan geophysical space, and thus we do not rule out other possible hostile actions that violate our sovereignty and territorial integrity," the Venezuelan armed forces said in a statement. |
| africom.mil 23.07.2021 10:16 PM | USA/SOM: U.S. Africa Command supports Somali partners against al- Shabaab | In coordination with the Federal Government of Somalia, U.S. Africa Command forces conducted an airstrike against al-Shabaab in the vicinity of Qeycad, Galmudug, Somalia today. U.S. forces are authorized to conduct strikes in support of combatant commander-designated partner forces under the 2001 Authorization of Use for Military Force. |
| israelradar.com 23.07.2021 | ISR: IDF UAVs over Gaza Strip | IDF kept at least 20 UAVs over Gaza Strip at any given time during last 11 day war; unmanned aircraft carried out 643 sorties totaling over 6,231 hours in the air; Air Force to deploy new squadron of mid-range UAVs in 2022. |

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| <p>apnews.com 22.07.2021</p> | <p>USA/AFG: US launched several airstrikes in support of Afghan forces</p> | <p>The U.S. military launched several airstrikes this week in support of Afghan government forces fighting Taliban insurgents, including in the strategically important province of Kandahar, officials said Thursday. The strikes demonstrate U.S. intentions to continue supporting Afghan forces with combat aircraft based outside the country, at least until the scheduled conclusion of the U.S. military withdrawal on Aug. 31. The Biden administration has not said whether it will continue that support after the pullout is complete. The U.S. has a variety of combat aircraft based in the Middle East within range of Afghanistan, including warplanes aboard an aircraft carrier in the region and fighters and bombers in the Persian Gulf area. Asked by a reporter about news reports of a Navy FA-18 airstrike in the Kandahar area, Pentagon press secretary John Kirby did not confirm specifics, including the type of aircraft or location, but said, "In the last several days we have acted, through airstrikes, to support the ANDSF," using an acronym for the Afghan national defense and security forces. "But I won't get into technical details of those strikes."</p> |
| <p>taiwannews.com 22.07.2021 11:32</p> | <p>TWN/CHN: Chinese military turboprop enters Taiwan's ADIZ</p> | <p>A Chinese military plane entered Taiwan's air defense identification zone (ADIZ) on Wednesday afternoon (July 21), marking the 10th intrusion this month. A single People's Liberation Army Air Force (PLAAF) Shaanxi Y-8 anti-submarine warfare plane flew into the southwestern corner of the ADIZ, according to the Ministry of National Defense (MND). In response, Taiwan sent aircraft, issued radio warnings, and deployed air defense missile systems to track the PLAAF plane. Chinese planes have been tracked in Taiwan's identification zone on July 2, 3, 4, 7, 8, 12, 13, 14, 15, and 21. All the planes so far this month have been slower-flying turboprops, including electronic warfare, anti-submarine warfare, and reconnaissance variants.</p> <p><i>(Ergänzende Information taiwannews.com vom 23.07.2021 10:03: A Chinese military plane entered Taiwan's air defense identification zone (ADIZ) on Thursday afternoon (July 22), marking the 11th intrusion this month. A People's Liberation Army Air Force (PLAAF) Shaanxi Y-8 anti-submarine warfare plane was tracked in the southwestern corner of the ADIZ, according to the Ministry of National Defense (MND).)</i></p> <p><i>(Ergänzende Information taiwannews.com vom 26.07.2021 10:45: A Chinese military aircraft entered Taiwan's air defense identification zone (ADIZ) on Sunday afternoon (July 25), marking the 12th intrusion this month. A People's Liberation Army Air Force (PLAAF) Shaanxi Y-8 anti-submarine warfare plane was tracked in the southwestern corner of the ADIZ, according to the Ministry of National Defense (MND). In response, Taiwan sent aircraft, broadcast radio warnings, and deployed air defense missile systems to track the plane.)</i></p> <p><i>(Ergänzende Information taiwannews.com vom 28.07.2021 10:38: A People's Liberation Army Air Force (PLAAF) Shaanxi Y-8 anti-submarine warfare plane entered Taiwan's air defense identification zone (ADIZ) on Tuesday morning (July 27), marking the 13th intrusion this month.)</i></p> |

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| <p>sputniknews.com 22.07.2021</p> | <p>RUS/DEU: Defense Ministry: Russia's Su-27 Escorts Germany's FGR.4 Typhoon Over Baltic Sea</p> | <p>On July 22, an air target approaching the Russian state border was detected over the Baltic Sea, the Russian Defense Ministry's National Defense Control Center (NDCC) said on Thursday. "To identify the air target and prevent it from reaching the Russian state border, a Su-27 fighter from the air defense duty of the Baltic Fleet was scrambled. The crew of the Russian fighter identified the air target as the FGR.4 Typhoon multirole fighter of the German Air Force and escorted it over the Baltic Sea," the statement says.</p> |
| <p>jpost.com 22.07.2021 03:26 AM</p> | <p>ISR/SYR: Syrian air defense intercepted Israeli attack, Syrian media claims</p> | <p>Syria's air defenses early on Thursday 22.07.2021 intercepted an Israeli attack on the al Qusair area in Homs, Syrian state media reported. A Syrian military source said in a statement there was some material damage from the strike and no casualties. The Israeli military said it had no comment. On Monday 19.07.2021, Syria said it had intercepted an attack on Aleppo. Homs province adjoins Lebanon, where the Iranian-backed Lebanese Shi'ite Hezbollah group holds sway along the rugged border area.</p> <p>Western intelligence sources have said Israel's stepped-up strikes on Syria since last year are part of a shadow war approved by the United States. The strikes are also part of an anti-Iran policy that in the past two years has undermined Iran's extensive military power without starting a major increase in hostilities.</p> <p><i>(Ergänzende Information timesofisrael.com vom 22.07.2021 02:10 AM: Israeli planes carried out airstrikes Syria for the second night this week, Damascus said early Thursday 22.07.2021, while claiming that most missiles were shot down. It said Israeli jets fired missiles from north of Beirut at targets in al-Qusayr, a town near Homs, just after 1 a.m. The report claimed "most of the hostile missiles" were shot down. There were no immediate reports of casualties or damage. Video published by the agency showed what appeared to be anti-aircraft missiles streaking into the night sky, and witnesses on the ground reported hearing explosions. Rami Abdulrahman, the head of the Syrian Observatory for Human Rights war-monitor told Saudi Arabia's al-Hadath TV that it appeared Israel was targeting Hezbollah sites in Syria, as part of a recent shift in tactic by Israel's new government. The attack comes as tensions between Israel and its northern neighbors have ratcheted up in recent days. According to the observatory, Israel had carried out 14 attacks in 2021 prior to Thursday, destroying some 40 buildings and killing 104 people.)</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 22.07.2021 02:10 AM: According to reports from Syrian news outlets, the T-4 airbase, east of Homs, was also targeted in the strike. The T-4 base, which is believed to be an Iranian stronghold, has been struck by Israel multiple times over the years.)</i></p> <p><i>(Ergänzende Information @ELINTNews vom 22.07.2021: Russian MoD claims of Syrian Buk-M2E and Pantsir-S air defences intercepting 7 out of the 8 reportedly Israeli incoming missiles on Aleppo countryside 2 days ago is reportedly incorrect with satellite images showing 2-3 possible facilities hit.)</i></p> |

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| <p>jpost.com 21.07.2021 22.20 PM</p> | <p>USA/SYR: Three dead in Syria from American aerial attacks</p> | <p>Three people were killed in American aerial attacks in Syria, the Syrian Arab News Agency (SANA) reported on Wednesday. According to the report, a house in the north-eastern town of Al Hasakah was the target.</p> |
| <p>debka.com 21.07.2021 18:23</p> | <p>RUS/ISR: Putin steps away from deal with Netanyahu for a blind eye on Syria air strikes</p> | <p>Moscow was seen taking a radical new course on Israel's air strikes over Syria after the raid near Aleppo early Tuesday, July 20. First, its military for the first time revealed details of the Israeli raid and claimed as never before that Russian-made systems downed "seven of eight guided missiles." Second, the disclosure came from an unexpected source: Vadim Kulit, deputy chief of the Russian Center for Reconciliation of the opposed party in Syria – a body concerned with Syrian peacemaking, never before with Israel's operations in Syria. Third, Mr. Kulik's description of the event was graphic: "In a span from 23:39 to 23:51 on July 19, four F-16 fighter jets of the Israeli Air Force entered Syria's airspace via the US-controlled al-Tanf zone and fired eight guided missiles at facilities southeast of the city of Aleppo." Seven missiles were downed by the Russian-made Pantsyr-S (see photo) and Buk-M2 systems that were on combat duty, the official said. One missile damaged the building of a research center in the settlement of Safira in the Aleppo governorate, he added.</p> <p><i>(Vollständiger Artikel abrufbar unter:</i> https://www.debka.com/putin-steps-away-from-deal-with-netanyahu-for-a-blind-eye-on-syria-air-strikes/<i>)</i></p> |
| <p>tass.com 21.07.2021</p> | <p>RUS/NATO: Two Russian Tu-160 strategic bombers perform flight over Barents and Norwegian Seas</p> | <p>Two Tu-160 strategic missile-carrying bombers of long-range aviation performed a scheduled flight in the airspace over the neutral waters of the Barents and Norwegian Seas," the Russian Defense ministry said in a statement. The flight lasted about seven hours, the ministry specified. At some sections of the flight route, the Russian strategic missile-carrying bombers were escorted by F-16 fighters of the Norwegian Air Force, the statement says. The crews of MiG-31 aircraft of the Russian Northern Fleet's Air Force and Air Defense Army provided fighter support for the Russian strategic bombers during the flight, Russia's Defense Ministry said.</p> |
| <p>reuters.com 20.07.2021 09:49 AM CEST</p> | <p>USA/SOM: U.S. military carries out first air strike in Somalia under Biden</p> | <p>The United States on Tuesday carried out an air strike against al Shabaab militants in Somalia, the first strike in the country since President Joe Biden came into office. In a statement, the Pentagon said the strike took place near Galkayo, Somalia. Al Qaeda-linked insurgent group al Shabaab is seeking to topple the government and establish its own rule in Somalia based on its own strict interpretation of Islamic sharia law. The group's campaign of bombings and gun attacks has targeted Somali military bases and civilian infrastructure including hotels, bars and schools in both Somalia and other regional countries.</p> |

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| <p>reuters.com 20.07.2021 02:11 AM CEST</p> | <p>Syrian air defences intercept Israeli attack over Aleppo</p> | <p>Syria's air defences on Monday 19.07.2021 intercepted an Israeli attack on Al-Safirah area of southern Aleppo, Syrian state media reported, a location where Israel has repeatedly hit a growing Iranian presence. A Syrian military spokesman told state media the damage was being assessed after air defences downed most of the missiles that targeted a number of unspecified locations. Syrian opposition forces said the airstrikes targeted Iranian Revolutionary Guard bases and a weapons plant, in a continuation of Israeli attacks against Iranian military research and development activities over the past year. Explosions were heard across Aleppo, which was Syria's most populated urban centre and a commercial and industrial powerhouse before the war. Authorities said work was underway to repair the main electricity cable to the city after a direct hit cut power.</p> <p>The airstrikes are the first since a new Israeli government led by Naftali Bennett came to power last month. Bennett has vowed to maintain his predecessor's policy of containment of Iran's military expansion in Syria, a development Israel's defence establishment says has upset the region's strategic balance. Western intelligence sources say Israeli strikes on Syria are part of a shadow war approved by the United States and part of a policy to undermine Iran's military power without triggering a major increase in hostilities.</p> <p><i>(Ergänzende Information MoD of Syria: Military Source: "At approximately 23.37 pm on Monday 7/19, the Israeli enemy carried out an air aggression towards southeast Aleppo, targeting some points in the Al-Safira area. Our air defenses confronted the aggression's missiles and shot down most of them.)</i></p> <p><i>(Ergänzende Information tass.com vom 20.07.2021: "In a span from 23:39 to 23:51 on July 19, four F-16 fighter jets of the Israeli Air Force entered Syria's airspace via the US-controlled al-Tanf zone and fired eight guided missiles at facilities southeast of the city of Aleppo," Vadim Kulit, deputy chief of the Russian Center for Reconciliation of the Opposing Parties in Syria said. According to Kulit, seven missiles were downed by the Russian-made Pantsyr-S and Buk-M2 systems that were on combat duty. One missile damaged the building of a research center in the settlement of Safira in the Aleppo governorate," he said.)</i></p> |
| <p>stripes.com 18.07.2021</p> | <p>USA: Militia officials: US drone destroys militia truck in Syria</p> | <p>A U.S. drone attack targeted a truck for an Iran-backed militia in eastern Syria on Sunday, destroying the vehicle without causing any casualties, two Iraqi militia officials said. The attack came amid increasing tensions in the region between the U.S. military and Iran-backed Iraqi militias in recent weeks. The Americans have targeted militants who used drones and rockets to hit bases housing U.S. troops. The Iraqi militia officials refused to say what the truck was carrying. They said the U.S. drone first fired a warning shot, after which the driver jumped out, and a missile hit the vehicle shortly afterward. They said the truck belonged to Kataib Sayyid al-Shuhada, which is active along the Iraq-Syria border.</p> |

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| | | <i>(Ergänzende Auskünfte timesofisrael.com vom 18.07.2021: The Britain-based Syrian Observatory for Human Rights, a pro-Syrian opposition organization of uncertain funding, said the truck was carrying weapons and ammunition for an Iraqi militia and was hit shortly after crossing the border from Iraq. It claimed that the driver was killed.)</i> |
| scmp.com 18.07.2021 | CHN: Is China military trying out new combat tactics with J-16 sorties? | Recent air force sorties by the People's Liberation Army near Taiwan indicate the Chinese military may be training its pilots in new combat tactics, with a key role for the J-16 fighter bomber helped by early warning and electronic warfare aircraft, analysts said. Military observers have noted an increased presence of the KJ-500 airborne early warning and control system (Awacs) and different generations of fighter jets, along with the multi-role J-16, during the PLA's numerous approaches towards the self-ruled island in recent months. The Y-8 series of anti-submarine and electronic warfare planes have also been involved in the intensified fly-by combinations, as well as J-11, J-10 and J-7 fighters and H-6 bombers, reaching a record 28 aircraft that entered Taiwan's air defence zone on June 14. <i>(Vollständiger Artikel abrufbar unter: https://www.scmp.com/news/china/military/article/3141509/china-military-trying-out-new-combat-tactics-j-16-sorties)</i> |
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| | | Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance |
| focustaiwan.tw 28.07.2021 | TWN: Taiwan seals deal with U.S. to buy MS-110 reconnaissance pods | The Ministry of National Defense (MND) announced Wednesday that Taiwan has signed a contract with the United States to purchase six sets of MS-110 airborne reconnaissance systems, which experts said would significantly boost long-range air reconnaissance capability. A military source with knowledge of the deal told CNA that the package comprises six MS-110 Recce Pods for Taiwan's fleet of F-16 jets that the U.S. agreed in October 2020 to supply. Meanwhile, Su Tzu-yun (蘇紫雲), a senior analyst at the Institute for National Defense and Security Research, told CNA that the MS-110 Recce Pods are more advanced than the widely deployed DB-110 dual band airborne reconnaissance systems for long-range imagery. The new system allows rapid exploitation of multispectral imagery, via high speed near-real-time data links and can greatly increase the military's capabilities in terms of intelligence gathering, he said. |

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| | | According to the U.S. Defense Security Cooperation Agency, which had announced the potential arms sale last October, the package is also likely to include 11 High Mobility Artillery Rocket Systems (HIMARS) and 135 Standoff Land Attack Missile-Expanded Response (SLAM-ERs). |
| hensoldt.net 28.07.2021 | DEU: HENSOLDT modernises German Air Force identification systems | As part of the modernisation of all NATO identification-friend-or-foe (IFF) systems to the particularly secure new "Mode 5" standard, sensor solution provider HENSOLDT is equipping air surveillance radars of the German Air Force with the latest generation of IFF systems. As part of an order from the Federal Office of Bundeswehr Equipment, Information Technology and In-Service Support, BAAINBw, HENSOLDT is supplying secondary radar systems and individual components worth several million euros. IFF systems are of central importance for all military operations. Based on automated electronic signals, they ensure that friendly units such as ships or aircraft are detected or identified at an early stage by responding to interrogation signals with the correct signal. Potentially hostile units that do not respond can thus be delineated. This is particularly important when forces are operating together to avoid the mistaken firing of friendly forces - so-called "friendly fire" incidents. All NATO countries are currently converting their IFF systems to the latest Mode 5 standard, which uses advanced cryptographic techniques to secure against electronic jamming by adversaries. |
| bundesheer.at 27.07.2021 | AUT : Neues Radar am Kolomansberg | Das seit 2002 am Kolomansberg eingesetzte Radar hat seinen Dienst für Österreich erfolgreich geleistet. Es wird nun durch ein neues und zeitgemäßes Radar ersetzt. Der Übergang vom alten zum neuen Radar ging problemlos vonstatten, sodass das alte Radar abgeschaltet und die Aufgaben vom modernen Radar übernommen wurden. Die ortsfesten Radarstationen bilden das Rückgrat der passiven Luftraumüberwachung. Sie werden - mit Ausnahme von Wartungsereignissen - das ganze Jahr über durchgehend betrieben (24 Stunden am Tag, sieben Tage die Woche) und liefern die Grundlage für die Identifizierung und Klassifizierung sämtlicher Luftfahrzeuge im österreichischen Luftraum. Alle drei Stationen verfügen über ein Long-Range-Radarsystem, das in mehreren Staaten weltweit im Einsatz ist. Die Stationen weisen ein hohes Maß an Autarkie auf. |
| hensoldt.net 26.07.2021 | HENSOLDT wins contract for German airspace surveillance | HENSOLDT in cooperation with ELTA Systems Ltd., a 100% subsidiary of Israel Aerospace Industries Ltd. (IAI), is supplying new radars to the German Armed Forces to modernise their airspace surveillance and build up Ballistic Missile Defence (BMD) capabilities. The BAAINBw has placed an order for the delivery and installation of four long-range radars as part of the "Hughes Air Defence Radar Nachfolgesystem" (HADR NF) programme. The HADR NF system operates in the S-band, which allows more precise target acquisition in space than other systems. |

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| <p>c4isrnet.com 21.07.2021</p> | <p>USA : National Reconnaissance Office wants a more distributed architecture</p> | <p>The National Reconnaissance Office (NRO) is adjusting to these changes as well, according to the agency's director. NRO is the intelligence agency charged with developing, launching and operating America's fleet of spy satellites, supplementing its own capabilities with new commercial services. Like the Space Force and Space Command, NRO is also confronting the challenge posed by the growing space and counterspace capabilities being developed by America's adversaries.</p> <p>American space capabilities have long been defined by so-called exquisite systems: constellations made up of a handful of large, expensive satellites. Counterspace weapons pose a challenge to that approach. If adversaries can destroy or disable just one satellite, they can severely limit the constellation's coverage and capabilities. The Space Force has responded by pursuing a distributed architecture, with more satellites placed over multiple orbits. That way, the loss of one satellite isn't debilitating. NRO's satellites are classified, making it difficult to understand its architecture. But according to NRO Director Christopher Scolese , the agency is also working to adopt a more distributed architecture.</p> <p>"We're making architectural changes to improve resiliency, increase capacity and capabilities, and ensure the delivery of NRO mission essential functions," said Scolese. "This is a diversified architecture, made up of national and commercial satellites, large and small constellations across multiple orbits."</p> <p>A major development for NRO has been the rise of commercial satellite imagery companies, which operate their own satellites and offer imagery as a service. The last few years have seen NRO take over responsibility for acquiring commercial imagery from the National Geospatial-Intelligence Agency, issuing a number of study contracts to see how new commercial offerings can supplement the agency's own systems. Other commercial capabilities, including launch, production spacecraft and cloud computing have helped the agency move faster and reduce cost while shifting its focus to other areas, said Scolese.</p> |
| <p>c4isrnet.com 16.07.2021</p> | <p>USA: National Reconnaissance Office extends contract for commercial imagery</p> | <p>The National Reconnaissance Office (NRO) has extended and expanded its contract with Planet Federal for commercial satellite imagery, the company announced July 15. Under the contract, the U.S. intelligence and defense communities will continue to have access to Planet's unclassified daily 3-5 meter resolution imagery while also gaining limited access to the company's video capabilities. The NRO first subscribed to Planet's imagery service in 2019. Financial details of the subscription are not public. Planet operates a fleet of about 200 satellites on orbit, capturing more than 3 million images daily of the Earth's surface.</p> |
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| reuters.com 28.07.2021 | USA: Biden: If U.S. has 'real shooting war' it could be result of cyber attacks | President Joe Biden on Tuesday warned that if the United States ended up in a "real shooting war" with a "major power" it could be the result of a significant cyber attack on the country, highlighting what Washington sees as growing threats posed by Russia and China. Cybersecurity has risen to the top of the agenda for the Biden administration after a series of high-profile attacks on entities such as network management company SolarWinds, the Colonial Pipeline company, meat processing company JBS and software firm Kaseya hurt the U.S. far beyond just the companies hacked. Some of the attacks affected fuel and food supplies in parts of the United States. "I think it's more than likely we're going to end up, if we end up in a war - a real shooting war with a major power - it's going to be as a consequence of a cyber breach of great consequence and it's increasing exponentially, the capabilities," Biden said during a half-hour speech while visiting the Office of the Director of National Intelligence (ODNI). |
| vbs.admin.ch 27.07.2021 | CHE: CYD Campus demonstriert neue Angriffsformen gegen kritische Infrastrukturen | Informatikerinnen und Informatiker des Cyber-Defence (CYD) Campus von armasuisse Wissenschaft und Technologie forschen im Rahmen ihrer Doktorarbeit an Themen zur Cybersicherheit der Schweiz. In seiner Dissertation hinterfragt Daniel Moser, welcher kürzlich seine Doktorarbeit beim Cyber-Defence Campus abschlossen hat, etablierte Angreifermodelle der Cyber-Community in Bezug auf ihre Realisierbarkeit. Er zeigt auf, dass Angreifer zu weit mehr fähig sind, als bisher angenommen. Um der verschärften Bedrohungslage wirksam begegnen zu können, entwickelte er neue Gegenmassnahmen, welche in Zukunft die Cybersicherheit kritischer Infrastrukturen erhöhen könnten. <i>(Vollständiger Beitrag abrufbar unter: https://www.vbs.admin.ch/de/home.detail.news.html/ar-internet/news-2021/news-w-t/neue-angriffsformen-kritische-infrastrukturen-.html)</i> |
| centcom.mil 20.07.2021 | USAF : EC-130H Compass Call protects and enhances regional airpower capabilities | Over the past month, the EC-130H Compass Call aircraft, has flown in two multi-nation, large force employment exercises that strengthened integration capabilities with CENTCOM partners and allies. The Compass Call, flown by the 41st Expeditionary Electronic Combat Squadron, 380th Air Expeditionary Wing, Al Dhafra Air Base, United Arab Emirates, is an airborne tactical weapon system that employs offensive counter-information and electronic attack capabilities, and has been operating persistently in the U.S. Central Command area of responsibility for almost 20 years. The role of the Compass Call will vary depending on the exercise, Fahey said. In one LFE they might act as "red air," providing contested and degraded operations for all exercise participants, while in another, they will act as "blue air," providing offensive tactics in cooperation with coalition assets. |

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| | | <p>As a non-kinetic platform, the Compass Call mission can be a challenge to incorporate, Fahey said. "It can be more difficult for some to understand things they can't physically see, as opposed to dropping a bomb," he said. But much like a conventional weapon, electronic attack is a threat that can have just as much potential for damage to the mission as it can to help ensure success.</p> <p><i>(Factsheet ED-130H Compass Call abrufbar unter: https://www.af.mil/About-Us/Fact-Sheets/Display/Article/104550/ec-130h-compass-call/)</i></p> |
| <p>janes.com 19.07.2021</p> | <p>CHN: PLANAF J-11BH fighter seen using potentially new ECM pod</p> | <p>Chinese state-owned media has released video footage showing a J-11BH multirole fighter aircraft operated by China's People's Liberation Army Naval Air Force (PLANAF) equipped with a previously unseen electronic countermeasures (ECM) pod. The video, which was released on 15 July via the js7tv.cn website, shows the aircraft during take off carrying an ECM pod that is different in appearance from the KL700B pod commonly used by the PLA Air Force's (PLAAF's) J-11B fighters. This is also the first time that a PLANAF J-11BH has been seen carrying an ECM pod.</p> <p>A few days later, on 18 July, images emerged via the Weibo social media platform showing a PLAAF J-11A re-equipped with new identification friend-or-foe antennas under the nose and on top of the tail boom that are similar in appearance to those used to upgrade older J-10A and J-10S fighters.</p> |
| <p>nzz.ch 19.07.2021</p> | <p>USA/CHN: Die USA machen China für grossen Cyberangriff verantwortlich</p> | <p>Die amerikanische Regierung schreibt die Cyberattacke, bei der im Januar unter anderem sogenannte Zero-Day-Schwachstellen in Microsoft-Exchange-Servern ausgenutzt wurden, offiziell böswilligen Aktivisten aus China zu. Es sei sehr wahrscheinlich, dass die Hacker mit dem Ministerium für Staatssicherheit in Peking verbunden seien, sagten hochrangige Regierungsmitarbeiter. Die USA wollen laut Medienberichten eine breite Gruppe von Verbündeten organisieren, darunter alle Nato-Mitglieder, um Peking für Cyberangriffe auf der ganzen Welt zu verurteilen. Es ist das erste Mal, dass die USA China direkt beschuldigen, Kriminelle dafür zu bezahlen, umfangreiche Cyberattacken durchzuführen. Auch eine Verurteilung durch die Nato und die EU ist einzigartig, denn die meisten Mitgliedsländer kritisieren Peking normalerweise nur indirekt. Microsoft-Exchange-Server werden von vielen Unternehmen, Regierungen und Militärformationen weltweit verwendet. Nach einem Angriff müssen die Betroffenen Milliarden aufwenden, um die Schäden durch gestohlene Daten zu beheben, Lösegeld zu zahlen oder in die Cyberabwehr zu investieren. Im Januar hatten sich Hacker über die Microsoft-Schwachstelle illegal eine grosse Menge an Daten beschafft.</p> |
| <p>c4isrnet.com 15.07.2021</p> | <p>TUR:</p> | <p>Turkey's leading defense company Aselsan delivered a next-generation electronic countermeasure system to the Turkish Armed Forces, the country's top defense procurement official said. Sancak is the nickname of</p> |

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| | Aselsan delivers electronic attack system to Turkish Army | <p>Aselsan's MILKAR-4A2 high-frequency jamming system. It has been developed for electronic attack operations against high-frequency band (the part of the electromagnetic spectrum between frequencies 3 and 30 MHz) communication systems located on different platforms in the field. The system aims to harm or completely block target HF communications and/or cause incorrect data transmission, ensuring an advantage for friendly troops in the tactical field. According to the company, the system can apply effective jamming against the targets communicating through the ground wave, skywave and near vertical incidence skywave, or NVIS, in the HF communication band. For these abilities, the system includes ground wave and skywave/NVIS jamming antennas.</p> <p>Sancak has a basic electronic support capability to support electronic attack operations and uses receivers with high sensitivity for detecting and analyzing feeble signals. In addition, the system has a tool that helps the operator plan the details of an upcoming mission. The planning tool offers the RF propagation analysis on terrain as well. Sancak electronic countermeasure system components, the dual power generator, air conditioners, ground-wave antenna, and the system shelter are integrated on a high-mobile sheltered 10-tone vehicle platform. Sancak is considered a key asset to distort and interrupt adversary communication on the battlefield for the TAF that used electronic warfare intensively during operations in Syria and Libya. The TAF, which actively operated armed unmanned aerial vehicles in these operations, owes its success in this area to coordinating the unmanned combat air vehicles and electronic warfare systems. When added to the TAF's current EW capabilities, Sancak fills a gap to attack the opponent's long-range communication systems in a network-centric environment.</p> |
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| | | Boden- und seegestützte Luftverteidigungssysteme |
| tass.com 29.07.2021 | RUS: Russian Defense Ministry signs contract on first 10 S-500 air defense systems – source | Russian Ministry of Defense signed a contract with Almaz-Antey on shipment of the first batch of ten S-500 Prometey air defense systems, a source in the military-industrial complex told TASS. Serial shipments will begin in the first half of 2022," the source said. The source also disclosed that "state trials of the S-500 currently proceed at a proving ground in southern Russia." The trials are expected to wrap up in late 2021. According to the source, the current variant is ground-based. "If necessary, it can become a naval one," he added. |

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| <p>taiwannews.com.tw 24.07.2021</p> | <p>TWN: Taiwan to test-fire Patriot III missiles at US missile range</p> | <p>Taiwan's military will soon test-fire Patriot III missiles at the U.S. Army's White Sands Missile Range in New Mexico, Liberty Times reported on Saturday (July 24). Military officials said that a target drone will first be launched to simulate a Chinese medium-range missile, before Taiwan fires off two Patriot III missiles to intercept it. If either one of them is not able to hit the target, another missile will immediately be launched. Taiwan has spent NT\$179.14 billion (US\$6.38 billion) to purchase six Patriot III missile systems and upgrade three existing Patriot II systems to the current variant.</p> |
| <p>mda.mil 24.07.2021</p> | <p>USA: MDA Test Intercepts Target</p> | <p>The U.S. Missile Defense Agency, in cooperation with the U.S. Navy, conducted Flight Test Aegis Weapon System 33 in the broad ocean area northwest of Hawaii, July 24. The firing ship for the test was the USS Ralph Johnson (DDG 114). The objective of FTM-33 was to intercept a raid of two Short Range Ballistic Missile targets with four Standard Missile-6 Dual II missiles. The SM-6 Dual II missile is designed for use in the terminal phase of a short- to- medium-range ballistic missile trajectory. Based on initial observations, one target was successfully intercepted. At this time, we cannot confirm the second target was destroyed. Program officials will continue to evaluate system performance based upon data obtained during the test.</p> |
| <p>@ELINTNews</p> | <p>ISR: Quick thread on Israel's air defence systems in the next war with Hezbollah in Lebanon. Israel currently operates</p> | <p>10 batteries of Iron Dome 2 batteries of David's Sling 6 batteries of Patriot PAC-2 2 batteries of Arrow 2 1 battery of Arrow 3</p> |
| <p>economictimes.indiatimes.com 21.07.2021</p> | <p>IND: India successfully flight-tests New Generation Akash Missile off Odisha coast</p> | <p>India on Wednesday successfully flight-tested the New Generation Akash Missile (Akash-NG) off the Odisha coast here, official sources said. The trial was conducted around 12.45 pm from a land- based platform with all weapon system elements, they said. The missile system has been developed by the Defence Research & Development Laboratory (DRDL), Hyderabad in collaboration with other DRDO laboratories. The flawless performance of the entire weapon system has been confirmed by complete flight data, the sources said. Once deployed, the Akash-NG weapon system will prove to be a force multiplier for the IAF.</p> |
| <p>tass.com 20.07.2021</p> | <p>RUS/TUR: Rosoboronexport to develop project to deliver additional batch of S-400s to Turkey</p> | <p>Russia's state arms seller Rosoboronexport will develop a project to deliver an additional batch of the S-400 surface-to-air missile systems to Turkey in the coming months, Rosoboronexport CEO Alexander Mikheyev told reporters at the MAKS-2021 air show. "We expect to finish the project in the coming months," he predicted. "Final consultations are underway, a financial model has been put together, as well as a program for technical cooperation on the project," Mikheyev added.</p> |

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| tass.com 20.07.2021 | RUS: Russia's S-500 missile system successfully tested — ministry | Russia's S-500 Prometheus next-generation missile system has struck a fast-moving ballistic target in a training exercise at the Kapustin Yar range. The first S-500 system will be procured to the Moscow Region's air and missile defense unit after a full cycle of tests is completed, the Russian Defense Ministry told reporters. The S-500 missile system has no analogues in the world and can intercept the whole range of current and future means of air and space attack of a potential enemy at all altitudes and speeds. S-500 will replace the S-400 systems. Russian Defense Minister Sergei Shoigu said earlier that procurement of S-500s to the Russian army would begin in 2020, while specialists have been working on the system since 2017. <i>(Kurze Video Start-Sequenz abrufbar unter: https://tvzvezda.ru/news/2021720951-X1ShN.html)</i> |
| lu-wahlen.ch 12.07.2021 | Ich zweifle an SP-Nationalrätin Priska Seiler Graf | Wie mehreren Medienberichten zu entnehmen ist, zweifelt SP-Nationalrätin Priska Seiler Graf (ZH) im Zusammenhang mit der Kampfflugzeugbeschaffung, ob die verantwortlichen Stellen alle Papiere gelesen haben. <i>(Vollständiger Leserbrief abrufbar unter: https://www.lu-wahlen.ch/ueber-uns/kolumne-der-redaktion/news/2021/07/12/19244-ich-zweifle-an-sp-nationalraetin-priska-seiler-graf/)</i> |
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| | | Boden- und seegestützte Einsatzkräfte, Strategische Kampfmittel und Space Forces |
| tass.com 27.07.2021 | RUS: Yars ICBM launchers assume field positions in Strategic Missile Force drills in Siberia | A missile regiment of Yars mobile intercontinental ballistic missile (ICBM) launchers assumed field positions in the area around its deployment during drills of the Strategic Missile Force in the Irkutsk Region in Eastern Siberia, Russia's Defense Ministry reported on Tuesday. The RS-24 Yars is a Russian strategic missile system comprising a mobile or silo-based solid-propellant intercontinental ballistic missile with MIRVed (multiple independently targetable vehicle) warheads. The Yars is a modification of the Topol-M missile system. Russia started deploying Yars ICBM systems in 2009 when the Yars launcher was accepted for experimental combat duty in the Strategic Missile Force. |

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| <p>tass.com 19.07.2021</p> | <p>RUS: Tsirkon missile confirms tactical and technical characteristics during test</p> | <p>The Admiral Gorshkov frigate has successfully test-fired the Tsirkon hypersonic missile against a surface target at the range of over 350 km and the flight speed reached 7 Mach, the Russian Defense Ministry said on Monday. During the test, the tactical and technical characteristics were confirmed. The flight speed reached nearly 7 Mach," the statement said. The Tsirkon hypersonic missile started from the White Sea. The surface target was located on the coast of the Barents Sea. According to the ministry, there are plans to equip submarines and surface vessels of the Russian Navy with the Tsirkon system.</p> |
| <p>scmp.com 17.07.2021</p> | <p>USA/JPN: US ground forces test HIMARS long-range rocket launcher in drill with Japan</p> | <p>US ground forces conducted their first test of an advanced mobile rocket launcher during a recent large-scale joint exercise with their Japanese counterparts, indicating it could be deployed in the region as part of preparations for a potential conflict in the Taiwan Strait, according to military analysts. The High Mobility Artillery Rocket System (HIMARS) was fired on the Japanese island of Hokkaido as part of the two countries' annual Orient Shield joint live-fire drill which ended last Wednesday, US military newspaper Stars and Stripes reported. The large-scale joint exercise coincided with Japan's defence and foreign ministries both raising concerns over Tokyo's "sense of crisis" in relation to the Taiwan Strait, where Beijing has intensified its military activities in recent years. Some 380 PLA warplanes entered Taiwan's southwestern air defence zone in 2020. The partnership & alliance between the U.S. and Japan is getting stronger each day. For the first time since the start of OrientShield in 1982, a bilateral live-fire was conducted between US Army M142 HIMARS and Japan GSDF M270 MLRS in Japan.</p> <p><i>(Vollständiger Artikel abrufbar unter:</i> https://www.scmp.com/news/china/military/article/3141075/us-ground-forces-test-himars-long-range-rocket-launcher-drill<i>)</i></p> |
| <p>scmp.com 16.07.2021</p> | <p>CHN: China's third aircraft carrier could launch this year – but still needs the right jets</p> | <p>China is likely to launch its third aircraft carrier later this year but is not yet ready to equip the advanced platform with a modern ship-borne fighter jet because of technical limitations of the jets so far available, military observers said. Recent satellite imagery published by the Centre for Strategic and International Studies (CSIS) on Wednesday showed that China had made considerable progress in building the Type 003 carrier. It said the images, captured by Maxar Technologies on Monday, showed construction of the carrier's flight deck, basic superstructure and edges was nearly complete, indicating the platform could be launched this year. The CSIS estimated that the ship was 318 metres long, a few metres shorter than the United States' retired Kitty Hawk-class aircraft carrier – comparable because, like the Type 003, it was conventionally powered, rather than nuclear-powered like the newer US carriers. The Type 003 had three catapult-assisted launch channels on its flight deck, compared with the Kitty Hawk-class ships' four, the CSIS added.</p> |

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| | | <p>Beijing-based naval expert Li Jie said the Type 003 would be equipped with the world's most advanced electromagnetic catapults to launch the J-15 jets, which has flown on the country's existing carriers, the Liaoning and the Shandong. "The J-15 will be used for several years, because Chinese aircraft engineers so far failed to deliver a next-generation carrier-based fighter jet," Li said. "China has upgraded and developed several variants of the J-15, including versions for steam catapults and electromagnetic catapults and others, because it's predicted that the J-15 will fly on the platforms for quite a while."</p> <p><i>(Vollständiger Artikel abrufbar unter:</i> https://www.scmp.com/news/china/military/article/3141477/chinas-third-aircraft-carrier-could-launch-year-still-needs<i>)</i></p> |
| <p>thediplomat.com 16.07.2021</p> | <p>CHN: What Threat Do China's New Missile Silos Pose to the US?</p> | <p>The Washington Post recently reported that over 100 missile silos have been discovered being built in a desert near the city of Yumen in China. Chinese media have since claimed that the structures are actually part of a wind farm, but the experts behind the Post piece stand by their analysis. Analysts indicate that these silos will probably house the newest intercontinental ballistic missile (ICBM) in the Chinese strategic nuclear arsenal, the DF-41. This ICBM can reach the continental United States, is solid-fueled, and is believed to eventually be a replacement for the liquid-fueled, silo-based DF-5 ICBM. Estimates vary, but the DF-41 is rumored to be able to carry anywhere from three to 10 nuclear warheads. This is a formidable strategic weapon seemingly designed to be utilized as a component of a launch-on-warning policy while deployed in hardened silos.</p> <p><i>(Vollständiger Report abrufbar unter:</i> https://thediplomat.com/2021/07/what-threat-do-chinas-new-missile-silos-pose-to-the-us/<i>)</i></p> |
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| <p>reuters.com 28.07.2021</p> | <p>CHN: U.S. concern over China nukes buildup after new silos report</p> | <p>The Pentagon and Republican congressmen on Tuesday aired fresh concerns about China's build-up of its nuclear forces after a new report saying Beijing was building 110 more missile silos. An American Federation of Scientists (AFS) report on Monday said satellite images showed China was building a new field of silos near Hami in the eastern part of its Xinjiang region. The report came weeks after another on the construction of about 120 missile silos in Yumen, a desert area about 240 miles (380 km) to the southeast. "This is the second time in two months the public has discovered what we have been saying all along about the growing threat the world faces and the veil of secrecy that surrounds it," the U.S. Strategic Command said in tweet.</p> |

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| reuters.com 27.07.2021 | UKR: Ukraine holds military drills with US, Poland, Lithuania | Helicopters provided air support, armoured personnel carriers rolled through fields, and soldiers fired at enemy targets on Tuesday as part of a large military exercise hosted by Ukraine and also involving the United States, Poland and Lithuania. The drills, called Three Swords-2021, will involve more than 1,200 servicemen and more than 200 combat vehicles and will last from July 17 to 30 at Yavoriv training ground in Lviv region. |
| economictimes. indiatimes.com 27.07.2021 | USA/CHN: US says China's sea claims have 'no basis' in international law | Pentagon chief Lloyd Austin said Tuesday that Beijing's expansive claims in the South China Sea have "no basis in international law", taking aim at China's growing assertiveness in the hotly contested waters. "That assertion treads on the sovereignty of the states in the region," he said at the start of a trip to Southeast Asia, where several countries have competing claims with China in the sea. "We continue to support the region's coastal states in upholding their rights under international law." Speaking in Singapore, he said the US "will not flinch when our interests are threatened, yet we do not seek confrontation" with China. "I am committed to pursuing a constructive, stable relationship with China, including stronger crisis communications with the People's Liberation Army." China claims almost the entire resource-rich sea, through which trillions of dollars in shipping trade passes annually, with overlapping claims from Brunei, Malaysia, the Philippines, Taiwan and Vietnam. |
| airforce.gov.au | AUS: Air Force Strategy | <p>AFSTRAT draws from the Chief of Air Force's strategic assessment upon assuming command of Air Force, the Chief's Intent, the 2020 Defence Strategic Update and Defence Planning Guidance 20/21.</p> <p>AFSTRAT 2020 will outline the five Lines of Effort, and the subsequent strategic directions associated with Integrated Air and Space Power for the Joint Force.</p> <ol style="list-style-type: none"> 1. Delivering air and space power as part of the joint force 2. Developing an intelligent and skilled workforce 3. Deepening relationships, strengthening engagement 4. Evolving Air Force culture 5. Agile and coherent governance <p><i>(Vollständiges Dokument abrufbar unter: https://www.airforce.gov.au/sites/default/files/air_force_strategy.pdf)</i></p> |
| stripes.com 26.07.2021 | USA/IRQ: | President Joe Biden has ordered the end of the combat role for American troops in Iraq in the coming months, a move that will for now retain U.S. service members in the country as advisors, he announced Monday at the White House. "Our role in Iraq will be ... just to be available, to continue to train, to assist, to help and to deal |

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| | Biden announces end of US combat mission in Iraq by year's end | with ISIS as it arises, but we're not going to be, by the end of the year, in a combat zone," Biden said alongside Iraqi Prime Minister Mustafa al-Kadhimi, according to a White House pool report. Some 2,500 U.S. troops remain in Iraq, where they have been primarily focused for years on training and advising Iraq's security forces, in a mission that will continue into the future, according to Biden and al-Kadhimi. |
| jpost.com 26.07.2021 | ISR/IRN: Alarm in Jerusalem as Iran races to the bomb amid lull in nuclear talks | Iran is taking advantage of the lull in nuclear talks with the US to get dangerously close to a nuclear weapon, Israeli officials warned their American counterparts, and called for setting a deadline for a return to negotiations. Iran has said it will not return to talks at least until after its new president Ebrahim Raisi is inaugurated on August 5, nearly two months after the end of the sixth round of indirect negotiations between the US and Iran in Vienna designed to restore the 2015 Joint Comprehensive Plan of Action. Israel is concerned that Iran is using the "state of limbo," as a senior diplomatic source called it, to reduce its breakout time for a nuclear weapon from about seven to two or three months, while the International Atomic Energy Agency is not able to inspect the situation. Then, the source anticipated, Iran could return to the negotiating table having already achieved what it wanted on the nuclear front, while still demanding that the US lift sanctions. Last week, IAEA Director-General Rafael Grossi said that Iran's announcement that talks will be on hold until Raisi enters office "leaves us in a rather uncomfortable position." |
| stripes.com 25.07.2021 | USA/AFG: US airstrikes continue in Afghanistan even as deadline to leave looms | The U.S. will continue launching airstrikes to support Afghan troops as needed to halt Taliban attacks through at least Aug. 31, the top commander of U.S. forces in the country said Sunday. Marine Gen. Frank McKenzie, who also heads U.S. Central Command, did not say whether the airstrikes would go on past next month, when the U.S. is scheduled to complete its withdrawal after nearly 20 years of war in Afghanistan. The U.S. has already withdrawn more than 95% of its forces, CENTCOM has said. |
| globaltimes.cn 25.07.2021 | CHN/TWN: PLA sea, land and air forces hold cross-sea exercises amid Taiwan secessionist mov | The Chinese People's Liberation Army (PLA) continued intensive cross-sea exercises featuring sea, land and air forces amid the recent moves by Taiwan's secessionists to collude with external forces. An army aviation brigade affiliated with the PLA 74rd Group Army recently deployed Z-9 reconnaissance helicopters and Z-10 attack helicopters and held surface diurnal and nocturnal live-fire exercises off the coastline of South China's Fujian Province. Helicopter crews practiced low-altitude defense penetration, independent attack route planning and precision strikes on maritime, insular and aerial targets, China Central Television (CCTV) reported on Saturday. Unlike previous exercises, in the latest drill the helicopters were equipped with multiple types of ammunition to attack different kinds of targets. |
| timesofisrael.com 25.07.2021 | ISR/MAR: | Israir planning 2-3 flights per week between Tel Aviv and Marrakesh, El Al says it will have five weekly routes to Marrakesh and Casablanca |

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| | Direct Israel-Morocco flights launched, months after ties normalized | |
| timesofisrael.com 22.07.2021 | ISR: IAF completes first multinational drone drill with 5 foreign militaries | The Israeli Air Force is seeking to cement its status as a world leader in the use of remote-controlled aircraft, hosting a large, multi-national drone exercise in central Israel this month, which it calls unprecedented. "This is the first time that we are meeting with drone operators from around the world, conducting missions together, complicated missions of assisting ground troops, of locating and striking enemies, of joint operations with manned and remotely controlled aircraft," said Brig. Gen. Yoav Amiram, commander of the IAF's Palmachim Air Base, where the exercise was held. The drill, dubbed Blue Guardian, kicked off on July 12 and ended on Thursday. Teams from Israel, the United States, France, Italy, Germany and the United Kingdom took part in the exercise, operating IAF Hermes-450 unmanned aerial vehicles. Approximately 20 representatives from other countries also observed the drill. |
| thedrive.com 21.07.2021 | GBR: Russia Threat Could See U.K. Fighter Jets Operating From Highways Once Again | In an unmistakable throwback to the years of the Cold War, the U.K. Royal Air Force is preparing to undertake snap exercises that will see its fighter jets operate from civilian airfields and perhaps even strips of highway. The initiative is part of plans for dispersed operations in times of tension, recognizing the fact that potential Russian aggression would very likely target the U.K.'s handful of fighter bases as a matter of priority. <i>(Vollständiger Beitrag abrufbar unter:</i> https://www.thedrive.com/the-war-zone/41634/russia-threat-could-see-u-k-fighter-jets-operating-from-highways-once-again <i>)</i> |
| upi.com 21.07.2021 | USA/ISR: U.S., Israel to launch second part of Juniper Falcon exercise this week | U.S. Air Force cargo planes arrived in Israel this week to support Juniper Falcon 21-2, a joint U.S.-Israeli military training exercise, the branch said on Wednesday. Two C-130J Super Hercules aircraft of the 37th Airlift Squadron at Ramstein Air Base, Germany, delivered personnel and equipment on Tuesday for the exercise, beginning on Friday at locations across Israel. The exercise will "test simulated emergency response procedures, ballistic missile defense and crisis response assistance in the defense of Israel," officials from U.S. Air Forces in Europe and Air Forces Africa said in a Wednesday press release. The locations, personnel requirements and duration of the drills were not announced, but the event is a continuation of February's two-week Juniper Falcon 21. |

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| <p>globaltimes.cn 20.07.2021</p> | <p>CHN: PLA increases use of simulators in pilot training, high efficiency reported</p> | <p>The Chinese People's Liberation Army (PLA) Air Force is increasing the use simulators in pilot training, an approach that can significantly reduce cost, increase pilot's training time and practice special scenarios that are hard to replicate with real aircrafts, a recent report said. Due to the high costs, pilots get fewer chances to practice with real aircrafts. However, simulators will provide more opportunities for them to master flying techniques, the report said, noting that simulators can also replicate many scenarios that cannot be easily tried with real aircrafts, including emergencies.</p> |
| <p>economictimes. indiatimes.com 19.07.2021</p> | <p>CHN: China developing new fighter aircraft base near Ladakh</p> | <p>The base is coming up between the existing airbases of Kashgar and Hogan which have been carrying out fighter operations along the Indian borders for a long time. This new base for fighter operations will fill up the gap for the Chinese Air Force in this region," government sources told ANI. Shakche town already has an airbase and that is being upgraded for fighter aircraft operations, they said. The sources added that the base would be ready for fighter aircraft operations in near future and the work has been expedited on it.</p> <p>The Indian agencies are also keeping a close watch on an airfield near the Uttarakhand border in Barahoti with China where the Chinese have brought in a large number of unmanned aerial vehicles which are continuously flying in that region.</p> |
| <p>scmp.com 19.07.2021</p> | <p>USA/CHN: China-US tension: American naval drill with dozens of F-22s 'may be aimed at next-gen Chinese bombers'</p> | <p>An unusually large sortie of US warplanes deployed to join a naval exercise is an explicit warning to China and may be aimed at countering China's next-generation strategic bombers, analysts said. The assessment followed media reports that the United States was this month sending dozens of F-22 Raptors to join a military exercise in Guam and Tinian island in the western Pacific for Operation Pacific Iron 2021. Pacific Iron 2021 is an operation by the US Air Force to project forces into the Indo-Pacific region and train them to be "more lethal, adaptive and resilient", according to the US Indo-Pacific Command. About 25 F-22 Raptors from the Hawaii Air National Guard and Joint Base Elmendorf-Richardson in Alaska will deploy, according to US media outlet CNN, citing US Pacific Air Forces Commander General Ken Wilsbach.</p> <p>Leung Kwok-leung, a Hong Kong-based military analyst, said the deployment of a large sortie of advanced fighters could be used to counter China's strategic bombers. "I think the main responsibility of deploying F-22s to the western Pacific is to prevent advanced strategic bombers, including Chinese next-generation bombers, that might carry out striking operations in the US homeland," Leung said.</p> <p>China's mysterious next-generation Xian H-20 strategic bomber is believed to have a stealth wing design that can help it strike targets in the "second island chain" and beyond. The H-20 would be equipped with nuclear and conventional missiles, have a maximum take-off weight of at least 200 tonnes and a payload of up to 45</p> |

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| | | <p>tonnes. It was expected to fly at subsonic speeds and potentially fire four powerful hypersonic stealth cruise missiles.</p> <p><i>(Vollständiger Beitrag abrufbar unter:</i> https://www.scmp.com/news/china/military/article/3141710/china-us-tension-american-naval-drill-dozens-f-22s-may-be-aimed<i>)</i></p> |
| asia.nikkei.com 17.07.2021 | JPN: Japan to deploy F-35B fighters to bolster Nansei Islands defense | Amid China's increased military activity Japan's Self-Defense Forces will deploy state-of-the-art F-35B stealth fighters in southwestern Miyazaki Prefecture, Defense Minister Nobuo Kishi said Friday, as the country ramps up defenses around its Nansei Islands. Six F-35Bs will be stationed at the Air SDF's Nyutabaru Air Base in fiscal 2024, with two more to be added in fiscal 2025. The decision comes amid increasing military activity by China near the Senkaku Islands, which are part of the Nansei chain and are claimed by China as the Diaoyu. The SDF is also updating Izumo-class destroyers so they can serve as carriers for the new jets, allowing Japan to send them more easily to the Nanseis. |
| upi.com 16.07.2021 | USA: U.S. Air Force sends F-22s to Western Pacific as message to China | <p>The largest assemblage of U.S. Air Force F-22 Raptor stealth fighter planes is in the Pacific region for exercises analysts say is a strong message to China. About 25 F-22s were deployed to three air bases on Guam and one in the Northern Mariana Islands from the Hawaii Air National Guard and Joint Base Elmendorf-Richardson, Alaska, for "Operation Pacific Iron 2021." Typical F-22 deployments include six to 12 planes, and the exercise is the largest show of force of F-22s in the Pacific area. The fifth-generation aircraft, with stealth technology and numerous on-board sensor systems, is regarded as among the most advanced in the world. The exercise can be seen as a demonstration to China of U.S. capability to quickly mass fighter planes.</p> <p>About 10 F-15E Strike Eagles and two C-130J Hercules cargo planes, deployed from Japan and western U.S. bases, are also involved in the exercise, Pacific Air Forces said in a statement this week.</p> <p>The event, which involves about 800 Air Force personnel, is a "dynamic force employment operation to project forces into the USINDOPACOM's [U.S. Indo-Pacific Command's] area of responsibility in support of the 2018 National Defense Strategy which called on the military to be a more lethal, adaptive, and resilient force," the statement added.</p> |
| economictimes.com indiatimes.com 16.07.2021 | IND: UK's carrier strike group enters Indian Ocean, to | The UK's largest warship HMS Queen Elizabeth and its strike task group has sailed into the Indian Ocean and will carry out a mega wargame with the Indian Navy as the aircraft carrier began a 40-nation tour aimed at demonstrating Britain's commitment for an open and inclusive Indo-Pacific. UK Foreign Secretary Dominic Raab |

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| | conduct wargame with Indian Navy | said the deployment of the carrier strike group marks the start of "a new era of defence cooperation with allies in India and the Indo-Pacific." Indian military officials said a series of complex drills will be carried out as part of the wargame that is expected to take place around July 26. |
| asia.nikkei.com 16.07.2021 | INDO-PACIFIC: 11 nations participate in massive US-Australian military drills | Quad members the U.S., Australia and Japan, along with eight other countries, have begun joint exercises in Australia and its nearby waters through July as military tensions simmer in the Taiwan Strait and near the Senkaku Islands. The U.S. and Australia kicked off their biennial Exercise Talisman Sabre on Wednesday. Defense forces from Japan, the U.K., Canada, South Korea and New Zealand will also take part in the drills, while India, Indonesia, Germany and France will participate as observers. The drills come amid growing international interest in the Indo-Pacific region, especially regarding increased military activity near the Taiwan Strait. China has flown into Taiwan's air defense identification zone on multiple occasions recently, with Washington sailing ships through the strait in response. Meanwhile, a Chinese surveillance ship began sailing toward Australian waters ahead of the exercise, the Australian Broadcasting Corp. reported. |
| stratcom.mil 15.07.2021 | USAF: Minot B-52s deploy to Indo-Pacific in support of Bomber Task Force | A group of U.S. Air Force B-52 Stratofortresses, Airmen and support equipment from Minot Air Force Base, N.D., deployed to the Indo-Pacific region in support of Pacific Air Forces' Bomber Task Force, July 14. The BTF demonstrates continued U.S. commitment to allies and partners in the Indo-Pacific region, as well as the U.S. Air Force Global Strike Command's ability to provide strategic deterrence anytime, anywhere. The deployment is also in support of training efforts with allies and partners during TALISMAN SABER 2021, a bilateral exercise with the Australian Defence Force. The bilateral training exercise enhances interoperability with U.S. allies and partners, as well as strengthens the collective ability to support a free and open Indo-Pacific. |
| timesofisrael.com 15.07.2021 | ISR: IDF said asking for major budget increase to enable potential strike on Iran | The Israel Defense Forces is reportedly asking for a major budget increase worth billions of shekels so that it can properly prepare for a potential attack against Iran's nuclear program. It said the Israeli security establishment has identified accelerated uranium enrichment activity by the regime, and that in recent discussions between Israeli and American leaders, Israel's "freedom of action" in the face of the Iranian nuclear threat has been stressed. The IDF was thus said to be seeking sufficient additional funding "in order to boost and preserve its Iran strike capabilities." |
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| jpost.com 27.07.2021 | ISR/IRN: Ex-German intel. chief: Return to JCPOA a mistake | <p>Former German BND intelligence chief August Hanning said that he was highly suspicious of Iranian intentions in the nuclear sphere.</p> <p><i>(Vollständiger Beitrag abrufbar unter: https://www.jpost.com/middle-east/ex-german-intel-chief-return-to-jcpoa-a-mistake-675075)</i></p> <p><i>(Ergänzende Information jpost.com vom 28.07.2021: Defense Minister Benny Gantz said in a special interview to a BBC journalist originally from Iran on Tuesday that "Iran is close to nuclear weapons when it comes to enrichment, but not so close in other ways. "We know all about their diversions and attempts to fool countries around the world. We also expose this information. The Iranian nuclear project threatens world stability, regional stability and is a challenge for the security of Israel." Gantz went on to address Israel's abilities saying "we have abilities and means that I cannot expand on, and we are ready to ensure that Iran does not have nuclear weapons.")</i></p> |
| nids.mod.go.jp 26.07.2021 | JPN/CHN: NIDS China Security Report 2021 - China's Military Strategy in the New Era | <p>The international community keeps a close watch on China's security policy and its military trends. The Japanese public has been increasingly aware of the large impact of China's rising military (and economic) power that may have a huge impact on Japanese security. China, now the second largest economy in the world, has become an essentially important economic partner for Japan and other East Asian countries. At the same time, its rapid economic growth allows China to multiply its military spending and move forward with the modernization of the People's Liberation Army (PLA). Produced by Japan's National Institute for Defense Studies, the research arm of the Japanese Ministry of Defense, the NIDS China Security Report analyzes the strategic and military trends of China.</p> <p><i>(Vollständiger Report abrufbar unter: http://www.nids.mod.go.jp/publication/chinareport/pdf/china_report_EN_web_2021_A01.pdf)</i></p> |
| news.usni.org 26.07.2021 | USN: USNI News Fleet and Marine Tracker: July 26, 2021 | <p>These are the approximate positions of the U.S. Navy's deployed carrier strike groups and amphibious ready groups throughout the world as of July 26, 2021, 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.</p> <p><i>(Infographic abrufbar unter: https://news.usni.org/2021/07/26/usni-news-fleet-and-marine-tracker-july-26-2021)</i></p> |

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| <p>globaltimes.cn 21.07.2021</p> | <p>CHN/RUS: Could Russia's newly unveiled Checkmate rival China's FC-31 in global market?</p> | <p>Russia's newly unveiled Checkmate stealth fighter jet seems to have good prospects, and it is expected to be competitive against the US F-35 in the international arms market. It may also affect the export of warplanes made by China like the FC-31, though Chinese military observers say the FC-31 still holds an advantage.</p> <p><i>(Vollständige Analyse abrufbar unter:</i> https://www.globaltimes.cn/page/202107/1229271.shtml<i>)</i></p> |
| <p>crsreports.congress.gov 20.07.2021</p> | <p>USA: Directed-Energy Weapons</p> | <p>Both the 2018 National Defense Strategy and the House Armed Services Committee's bipartisan Future of Defense Task Force Report have identified directed energy as a technology that could have a significant impact on U.S. national security in the years to come. As the Department of Defense (DOD) continues to invest in directed-energy (DE) weapons, Congress may consider implications for defense authorizations, appropriations, and oversight.</p> <p><i>(Vollständiger Defense Primer abrufbar unter:</i> file:///C:/Users/Standard/Downloads/IF11882.pdf<i>)</i></p> |
| <p>crsreports.congress.gov 16.07.2021</p> | <p>USA: Conventional Prompt Global Strike and Long-Range Ballistic Missiles: Background and Issues</p> | <p>Members of Congress and Pentagon officials have placed a growing emphasis on U.S. programs to develop hypersonic weapons—those that can travel at speeds greater than Mach 5 and maneuver to improve accuracy or evade defenses as they approach their targets. Initially, the United States sought to develop systems with intermediate or long range, so that they could attack targets around the world in under an hour. These types of prompt strike weapons might bolster U.S. efforts to deter and defeat adversaries by allowing the United States to attack high-value targets or “fleeting targets” at the start of or during a conflict. Congress has generally supported this mission, but restricted funding for several years in the 2000s. Recently, efforts to develop a long-range prompt strike capability, along with other efforts to develop extremely fast hypersonic weapons, have garnered increased support.</p> <p><i>(Vollständiger Backgrounder abrufbar unter:</i> https://crsreports.congress.gov/product/pdf/R/R41464<i>)</i></p> |
| <p>Seth J. Frantzman (Author)</p> | <p>Drone Wars: Pioneers, Killing Machines, Artificial Intelligence, and the Battle for the Future</p> | <p>Drones are transforming warfare through the use of artificial intelligence, drone swarms, and surveillance—leading to competition between the US, China, Israel, and Iran. Who will be the next drone superpower?</p> <p><i>(Herausgeber Bombardier Books, ISBN-10 1642936758)</i></p> |

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| <p>haaretz.com 16.07.2021</p> | <p>Iran's Drone Revolution Takes Off</p> | <p>Tehran's growing use of drones reflects an old Iranian ethos of combining technological progress with self-reliance. Meanwhile, Israel is taking drone warfare one step further.</p> <p><i>(Vollständige Analyse abrufbar unter: https://www.haaretz.com/middle-east-news/iran/.premium-iran-s-drone-revolution-takes-off-1.10004158)</i></p> <p><i>(Ergänzende Information israelradar.com vom 16.07.2021: Israel & US upgrade intelligence and radar cooperation to counter Iranian drone threat in region, @Haaretz reports; IDF adjusts Iron Dome to shoot down UAVs. Drone arsenal of Iran and its allies poses growing security threat, high-ranking officer says.)</i></p> |
| <p>raf.mod.uk 14.07.2021</p> | <p>GBR: Global Air Chiefs Conference 2021</p> | <p>The Minister for Armed Forces Speech abrufbar im Anhang zum Versandmail dieser NACHBRENNER-Ausgabe 2021-15</p> |

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| <p>Zielsetzung NACHBRENNER</p> | <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 2021-15</p> | <ul style="list-style-type: none"> ° "Swiss Summit", Aviation Week & Space Technology 12-25, 2021 ° "The Minister for Armed Forces Speech at the Global Air Chiefs Conference 2021" ° "Ein überdeutlicher Sieger", skynews.ch |
| <p>Verbunden in einem Informationsnetzwerk mit</p> | <ul style="list-style-type: none"> ° Peter Bosshard – Forum Flugplatz Dübendorf – www.forum-flugplatz.ch ° Thomas Bosshard – Pro Schweizer Luftwaffe – thomasbosshard@bluewin.ch ° Dr. Peter Forster – Das Bulletin Nr. 1 – https://bulletin-1.ch/ ° H.U. Helfer – Informationsgruppe Pro Kampfflugzeuge – helfer@presdok.ch ° Daniel Hildinger – Verein Schweizer Armeefreunde - www.chaf.ch ° Christoph Vollenweider – Gruppe Luftverteidigung – www.lilienberg.ch |
| <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> |