

		Sicherheitspolitik Schweiz und Air2030
f35.com. 01.06.2021	F-35 Lightning II Program Status and Fast Facts	Infographic über den aktuellen Status F-35 abrufbar unter: https://www.f35.com/content/dam/lockheed-martin/aero/f35/documents/FG21-00000_001%20F35FastFacts6_2021.pdf
stopp-kampfjets.ch Mai 2021	SP, GRÜNE und GSOA: Jetzt die Initiative gegen US-Kampffjets unterstützt	Falls die Wahl auf einen US-Kampffjet fällt, werden wir eine Volksinitiative lancieren, um diese Beschaffung zu stoppen. Zudem behalten wir uns eine Initiative gegen jede Beschaffung vor, sollte es zu krassen Ungereimtheiten kommen. UNSERE ARGUMENTE GEGEN DIE US-KAMPFFJETS ° Zu teuer, zu gross: ° Hohe «Life Cycle Costs»: ° Können sie fliegen? ° Ungeeignet in realen Konfliktsituationen: ° Welchen Einfluss hat die USA? Die Volksinitiative gegen neue US-Kampffjets wird getragen von der SP, der GSoA und den Grünen. <i>(Vollständiges Dokument abrufbar unter: https://stopp-kampfjets.ch/)</i>
admin.ch 28.05.2021	Wiederaufnahme des Flugbetriebs der Tiger F-5 der Luftwaffe	Am Mittwochmorgen ist im Raum Melchsee-Frutt ein Tiger F-5 der Schweizer Luftwaffe abgestürzt. Nach dem Unfall wurde der Flugbetrieb der F-5 Tiger bis auf Weiteres eingestellt. In Absprache mit dem militärischen Untersuchungsrichter hat der Kommandant der Luftwaffe, Divisionär Bernhard Müller, beschlossen, den Flugbetrieb mit den Tiger F-5 ab heute wiederaufzunehmen. <i>(Vollständige Medienmitteilung abrufbar unter: https://www.admin.ch/qov/de/start/dokumentation/medienmitteilungen.msg-id-83741.html)</i>
airbus.com 27.05.2021	Allegra 2021-07	Der zweiwöchentliche Air2030 Airbus Newsletter für Schweizer Medienschaffende <i>(Abrufbar unter: file:///C:/Users/Standard/Downloads/Allegra%20Newsletter%20Airbus_7_21_D.pdf)</i>

vbs.admin.ch 26.05.2021	Tiger F-5 der Luftwaffe abgestürzt – Pilot unverletzt	Heute Morgen um ca. 09.00 Uhr ist im Raum Melchsee-Frutt ein Tiger F-5 der Luftwaffe aus noch unbekanntem Gründen abgestürzt. Der Pilot blieb dabei unverletzt, er konnte sich mit dem Schleudersitz retten. Der Absturz erfolgte über unbewohntem Gebiet. Der Tiger F-5 war in Payerne gestartet und befand sich auf einem Trainingsflug als Sparringpartner für die F/A-18 der Luftwaffe. <i>(Vollständige Medienmitteilung abrufbar unter: https://www.vbs.admin.ch/de/aktuell/medienmitteilungen.detail.nsb.html/83686.html)</i>
lilienberg.ch 26.05.2021	Botschafterin Pálvi Pulli Chefin Sicherheitspolitik VBS - Der Sicherheitspolitische Bericht 2021 des Bundesrates aus erster Hand	Datum Veranstaltung: Donnerstag, 10. Juni 2021, 18:00 Uhr Anmeldeschluss: 03.06.2021 Lilienberg Frau Botschafterin Pálvi Pulli, Chefin Sicherheitspolitik VBS und Verantwortliche für die Erstellung des Berichtes, stellt diesen auf dem Lilienberg persönlich vor. Anschliessend wird genügend Zeit für Fragen und Diskussion zur Verfügung stehen. <i>(Detaillierte Einladung abrufbar unter: file:///C:/Users/Standard/Downloads/2021_06_10_LBGespr%C3%A4ch_P%C3%A4lvi_Pulli.pdf)</i>
admin.ch 26.05.2021	Tiger F-5 der Luftwaffe abgestürzt – Pilot unverletzt	Heute Morgen ist im Raum Melchsee-Frutt ein Tiger F-5 der Schweizer Luftwaffe abgestürzt. Der Pilot konnte sich mit dem Schleudersitz retten und blieb unverletzt. <i>(Vollständige Medienmitteilung abrufbar unter: https://www.admin.ch/gov/de/start/dokumentation/medienmitteilungen.msg-id-83686.html)</i>
nebelspalter.ch 26.05.2021	System Amherd: Walliser und Frauen statt Offiziere	Mit der Entlassung des NDB-Chefs macht Bundesrätin Viola Amherd (Mitte) ernst mit der Schaffung einer möglichst Offiziers-freien Zone in ihrem Departement. <i>(Vollständige, kostenpflichtige Analyse abrufbar unter: https://www.nebelspalter.ch/system-amherd-walliser-und-frauen-statt-offiziere)</i>
admin.ch 25.05.2021	Forschungsprojekte des Cyber-Defence Campus VBS an der NATO Cyber Conflict Konferenz	An der internationalen Konferenz für Cyber Conflict (CyCon) vom 25.-28. Mai 2021 in Tallinn, Estland, werden zwei Forschungsarbeiten des Cyber-Defence (CYD) Campus VBS präsentiert. Die Projekte behandeln zwei Schwerpunktthemen des CYD Campus: Cybersicherheit im Weltraum und die Nutzung von künstlicher Intelligenz im Bereich der Cyberdefence.

		<p>(Vollständige Medienmitteilung abrufbar unter: https://www.admin.ch/gov/de/start/dokumentation/medienmitteilungen.msg-id-83653.html)</p>
tagesanzeiger.ch 25.05.2021	Linke wollen US-Jets mit Initiativen verhindern	<p>Diesen Text für ihre Volksinitiativen lassen SP, Grüne und GSoA heute vom Bund überprüfen: «Der Bund beschafft keine Kampfflugzeuge des Typs F-35 Lightning II oder F/A-18 Super Hornet». Ist dies das Aus für die Amerikaner im Schweizer Kampfjet-Wettbewerb? SP, Grüne und die Gruppe für eine Schweiz ohne Armee (GSoA) drohen kurz vor dem mit Spannung erwarteten Typenentscheid: Sollte sich der Bundesrat für einen Jet aus den USA entscheiden, ist mit einer Volksinitiative zu rechnen. Die Linke stört sich am hohen Preis und dem umstrittenen Datenschutz bei den amerikanischen Maschinen.</p> <p>(Vollständiger Artikel abrufbar unter: https://www.tagesanzeiger.ch/linke-wollen-us-jets-mit-initiativen-verhindern-209283954485)</p>
janes.com 21.20.2021	FRA: France begins Rafale F4 flight trials	<p>France has launched flight trials of the latest F4 standard of the Dassault Rafale combat aircraft, the Ministry of the Armed Forces announced on 20 May. The tests of an F4-1 configured Rafale took place out of Istres airbase in southern France from 26 to 29 April. “Eight complex missions representing 50 aircraft sorties were carried out by test crews from the DGA, the French Navy, the French Air and Space Force, and Dassault Aviation,” the ministry said, adding the trials saw two Rafales configured to the F4-1 standard operate as part of a wider aerial component of up to eight aircraft, performing realistic tactical scenarios. As noted by Dassault the F4-standard will include enhancements to the Thales RBE2 active electronic scanned array (AESA) radar, the Thales TALIOS long-range airborne targeting pod and the Reco NG reconnaissance pod; upgrades to the aircraft’s communications suite; improved pilot helmet-mounted displays; a new engine control unit; and the ability to carry new weaponry such as the Mica Next-Generation (NG) air-to-air missile and 1,000 kg Sagem Armement Air-Sol Modulaire (AASM) modular air-to-ground precision weapon.</p> <p><i>(Ergänzende Information defense.gouv.fr vom 21.05.2021: From 26 to 29 April 2021 in Istres, the Directorate General of Armament (DGA) carried out the first test campaign of the Rafale to the F4-1 standard, under the responsibility of the DGA Flight Tests centre of expertise. Currently under development, the F4 standard will notably bring the helmet sight capability, will integrate the Mica NG and the 1000 kg AASM bomb. It will also bring the Rafale into the era of collaborative air combat.)</i></p>
gruppe-giardino.ch 16.05.2021	Die Wahrheit betreffend der Typenwahl?	<p>Die Gruppe Giardino hat die verschiedensten kursierenden Gerüchte, Meinungen zum Typenentscheid Neues Kampfflugzeug zum Anlass genommen, diese gegenüber dem VBS in Frage zu stellen. Die kursierenden Aussagen stellen sich als Propaganda der Gegner heraus. Die Antworten von armasuisse im folgenden Interview.</p>

		<p>(Vollständiges Interview abrufbar unter: https://gruppe-qiardino.ch/2021/05/16/die-wahrheit-betreffend-der-typenwahl/)</p>
rafale.ch	Die RAFALE für die Schweiz Mehr als ein Flugzeug: ein Instrument zur Wahrung der Souveränität	<p>«Die RAFALE deckt das gesamte Einsatzspektrum ab, das einer modernen Luftwaffe abverlangt wird.»</p> <p>(Vollständige Information über den von Dassault der Schweiz angebotenen Rafale abrufbar unter: http://rafale.ch/)</p>
vtg.admin.ch 11.05.2021	Warum braucht die Schweiz neue Kampfflugzeuge?	<p>Die Luftwaffe leistet einen wesentlichen Beitrag zur Erfüllung der Armeeaufträge – und somit zum Funktionieren des Gesamtsystems Armee, vom Luftpolizeidienst über die Luftverteidigung bis zur Unterstützung der Bodentruppen aus der Luft. Für die Sicherheit im Schweizer Luftraum gibt es keine tauglichen Alternativen zu Kampfflugzeugen.</p> <p>(Vollständige Information abrufbar unter: https://www.vtg.admin.ch/de/organisation/kdo-op/lw.detail.news.html/vtg-internet/verwaltung/2021/21-05/20210511-warum-braucht-die-schweiz-neue-kampfflugzeuge.html)</p>
		Luft- und Marineluftstreitkräfte sowie strategische und weitere luftgestützte Einsatzmittel
reuters.com 02.06.2021	Lockheed aims to produce 169 F-35 fighter jets in 2022	<p>Lockheed Martin Corp aims to produce and deliver about 169 F-35 fighter jets in 2022, the U.S. weapons maker said on Wednesday at a conference hosted by brokerage Bernstein. The company said it expects the production rate for the jets to eventually plateau at about 175 aircraft per year after 2022, based on the demand by the United States government and partner countries. Lockheed's decision to enter full rate production for the jets has been delayed as the COVID-19 pandemic disrupted operations at aircraft manufacturers and their supply chains. The company is expected to deliver between 133 and 139 jets in 2021.</p>

defense.gov 01.06.2021	USAF: BACN Bombardier Global 6000	Learjet Inc. has been awarded a \$464,851,645 indefinite-delivery/indefinite-quantity contract for Battlefield Airborne Communications Node (BACN) Bombardier Global 6000 aircraft. This contract provides for the purchase of up to six Bombardier Global 6000 aircraft and completion work. Work is expected to be completed May 2026.
ruaviation.com 01.06.2021	RUS: Su-57 fighter jet capable of carrying four attack drones	A pilot of the Sukhoi Su-57 fifth-generation fighter jet will simultaneously coordinate the operations of four latest Okhotnik heavy strike drones, a source in the domestic aircraft-building industry told TASS on Tuesday. "Currently, the options of controlling strike drones from a Su-57 cockpit are being worked out. A fighter jet is expected to carry from two to four Okhotnik drones," the source said. TASS has no official confirmation of this information yet. 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.
defenceweb.co.za 01.06.2021	DZA: C-130J Super Hercules transports for the Algerian Air Force II-76MD-90A	It appears the Algerian Air Force will be receiving four new C-130J Super Hercules transport aircraft from the United States. According to Scramble magazine, Algeria's first C-130J wears registration 7T-WJA and was seen at Greenville/Donaldson Airport in South Carolina on 23 May. The Algerian Air Force already operates C-130H and C-130H-30 Hercules transports, which are in service with the 2ème Escadre de Transport Tactique et Logistique at Boufarik air base. Eight C-130H and six C-130H-30 transports are believed to be operational. Scramble added that the Algerian Air Force will apparently be acquiring four Ilyushin II-76MD-90A transports but few details are known. The Algerian Air Force already flies three II-76MD and II-76TD aircraft.
taiwannews.com.tw 30.05.2021	TWN: Aerial refueling capabilities could boost Taiwan's regional air superiority	The Ministry of National Defenses' Institute of National Defense and Strategic Research (INDSR) said that if Taiwan obtained aerial refueling tankers, it would extend the airborne time and combat radius of its F-16 fleet, consisting of 146 F-16 A/Bs and 66 newly ordered F-16 Block 70s. Chen Liang-chi (陳亮智), an associate researcher INDSR said that the combat radius of an F-16 fighter is approximately 629 kilometers. If an F-16 is required to conduct a long-range mission or faces an unexpected situation, such as encountering enemy aircraft, its current radius limits the fighter jet's airborne time and prevents it from fully carrying out its tasks. Having aerial tankers would allow Taiwan to dispatch several waves of fighters in rotation, which would be beneficial during a potential conflict.
airway1.com 27.05.2021	BRA: In severe blow to Embraer, Brazilian Air Force will reduce order for the KC-390	The Brazilian Air Force (FAB) announced on Wednesday a surprising decision to cut the order for 28 KC-390 Millennium airlifter jets. Claiming budget cuts, the service aims to reduce the rate of annual deliveries to two aircraft, but has not revealed how many units will be excluded from the order. According to the original schedule, Embraer, which has already sent four KC-390s to the Air Force, should deliver three aircraft in 2021, three in

		<p>2022, four in 2023, three in 2024, four in 2025, four in 2026 and three in 2027. The rate of delivery of two military transport jets per year suggests that the Air Force is expected to receive less than 20 aircraft in the future.</p> <p>The Air Force announcement is a major blow to the C-390 Millennium program. The order for 28 aircraft so far accounted for 80% of firm orders for the airlifter, which still has five units ordered by Portugal and two planes under an agreement with Hungary.</p>
<p>scmp.com 29.05.2021</p>	<p>CHN: Can China finally solve its military jet engine problems? A new material might just do the trick</p>	<p>China says it has made significant progress in improving its military jet engines – a long-standing problem that has hampered its military modernisation programme. State media reported that it has developed a new coating material for turbines that helps “fill a technological gap” and will help increase the thrust power in the engines. The membrane designed by the Yuanke Energy Saving and Environmental Protection Technology Development Company in Hebei province can withstand temperatures of 1,800 Celsius, Guangming Daily Online reported, and will help protect them from corrosion and ensure a higher power output. The country’s main fighter jet engine, the WS-10, can withstand temperatures of around 1,470 Celsius and the improvement could help significantly improve the engine’s output power. Fan blades have long been an Achilles’ heel in China’s programme to develop jet engines. The new coating is designed to withstand higher temperatures and operate more effectively in desert conditions. In a most notorious example, delays in the development of a new engine for the air force’s most advanced fifth-generation stealth fighter jet the J-20 have slowed production of the planes.</p> <p><i>(Vollständiger Beitrag abrufbar unter:</i> https://www.scmp.com/news/china/science/article/3135300/can-china-finally-solve-its-military-jet-engine-problems-new <i>)</i></p>
<p>economictimes.com indiatimes.com 28.05.2021</p>	<p>IND: Sixth batch of Rafale fighter aircraft lands in India</p>	<p>A batch of three Rafale fighter aircraft landed in India on Thursday after taking off from France. The Indian Air Force (IAF) will soon be commencing flying operations of the second squadron of these planes in Hashimara, West Bengal, sources said on Friday. This is the sixth batch of Rafale fighter jets from France that has been received by India, IAF sources told ANI. India had ordered 36 of Rafale fighter aircraft from France in September 2016. After the arrival of the sixth batch, IAF has now received two-third of the planes ordered from France. The Rafales carrying the long-range Meteor air-to-air missiles are considered to have an edge over fighter planes with Pakistan and China. The planes equipped with the Hammer missiles have enhanced India's capability to carry out air-to-ground strikes like the one in Balakot.</p>
<p>defensenews.com 28.05.2021</p>	<p>HRV:</p>	<p>Croatia’s government has made a decision to buy 12 second-hand Rafale F3-R fighter jets from France for the country’s Air Force, Croatian Prime Minister Andrej Plenković said. Under the plan, France is to deliver the first</p>

	Croatia to drop 1 billion euros on used Rafale fighter jets	<p>six twin-engine aircraft in 2024, and the remaining six Rafales will be supplied the following year. The delivered aircraft will include 10 single-seater and two twin-seater fighter jets. Through the acquisition, Croatia's Air Force is aiming to replace its outdated Soviet-designed Mikoyan MiG-21 fighters.</p> <p><i>(Ergänzende Information latribune.fr vom 28.05.2021: The future Croatian order will have an impact on the Air Force's Rafale fleet. The target of 171 Rafale (including 129 for the Air Force) planned at the end of the Military Programming Act (MPA) will ultimately not be met, according to our information. The Ministry of the Armed Forces does not wish to order new aircraft but prefers to focus on the quality of the fleet over the quantity. Thus, with the proceeds from the sale of the Rafale from the air force to Croatia (more than 999 million euros), the ministry wants to buy mission equipment, which is now lacking in the Rafale in service. To improve operational readiness as well as Rafale missions, the Directorate General of Armament (DGA) will notably order AESA (Thales) radars, which are gradually replacing the RBE2, Talios designation pods (Thales) and additional M88 (Safran) engines. This will allow to eliminate more quickly all the different standards of Rafale in service (currently the last standard is the F3R). These purchases therefore go beyond the forecasts set out in the 2019-2025 MPA. Above all, these equipments will improve the performance of the Rafale. Typically, the Meteor air-to-air missile expresses its full performance with an AESA radar.)</i></p>
defenseworld.net 27.05.2021	TUR: Turkish Military Receives 6th Locally- Modernized F-16 Jet	Structural improvements of the F-16 Block-30 aircraft are in progress. The Turkish military has received the sixth F-16 fighter modernized by the Turkish Aerospace Industries (TAI). The project calls for the modernization of 35 F-16 Block 30 aircraft of which TAI will work on 25 of them. The remaining jets will be modernized by the 1st Air Supply and Maintenance Center Command. TAI delivered the first upgraded jet to the Air Force in July 2020. The F-16 upgrade project aims to increase the lifetime of F-16 aircraft from 8,000 hours to 12,000 hours. Since the U.S. denied selling F-35 jets to Turkey over S-400 row, F-16 modernization will buy Turkey some time while it develops its own TF-X jet under National Combat Aircraft (MMU) program. The new aircraft is expected to perform its maiden flight using a domestic engine in 2029.
thedrive.com 26.05.2021	USAF: Plan To Buy 145 B-21 Raider Bombers Gets Endorsement From Biden Air Force Nominee	Frank Kendall, President Joe Biden's nominee to become the next Secretary of the Air Force, says he supports the service's current position that it needs to acquire at least 145 stealthy B-21 Raiders in the coming years. These aircraft, work on which is steadily progressing, are set to supplant its existing B-2 Spirit stealth bomber fleet, which comprises just 21 jets, in total, not all of which are available for combat operations, as well as its aging B-1Bs.
sputniknews.com 26.05.2021	RUS:	Russia's Sukhoi company began work on the creation of a light multipurpose single-engine fighter of the 5th generation, which will be built using stealth technologies and Su-57 developments, a source in the aircraft construction industry told Sputnik. To date, all fighters made in Russia, including the state-of-the-art Su-57, are

	Russia Starts Developing Fifth-Generation Light Single-Engine Fighter	equipped with two engines. "During the creation of the aircraft, it is planned to widely use the groundwork developed in the framework of the creation of the Su-57, including the state-of-the-art product 30 engine, radio-absorbing coatings, on-board radio-electronic equipment, a weapon system," the source said.
airbus.com 25.05.2021	Airbus delivers the 100th A400M	Airbus has reached 100 A400M deliveries with MSN111, the tenth A400M for the Spanish Air Force. The aircraft performed its ferry flight on 24th May from Seville to Zaragoza, where the Spanish A400M fleet is based. In the same week, the A400M global fleet also achieved the 100,000 flight-hours landmark performing missions worldwide for all eight customer nations.
scmp.com 25.05.2021	CHN: China's mysterious H-20 strategic bomber 'may be able to strike second island chain'	<p>China's next-generation Xian H-20 strategic bomber may have adopted a stealthy flying wing design that can help it strike targets in the second island chain and beyond, an analyst said after images of the aircraft's design were published. The latest edition of Modern Weaponry, a monthly magazine run by state defence corporation China North Industries Group, or Norinco, has released four computer-generated pictures of the design of the Xian H-20. The bomber has been under development for years and photos of it have never been officially disclosed. The four pictures suggested that the aircraft has a weapon bay, two adjustable tail wings, an airborne radar at the front and two stealth air intakes on both sides, all covered in a dark grey radar-absorbent material. Its shape is very similar to that of aircraft shown in a promotional video in January by another state firm, Aviation Industry Corporation of China, or AVIC, to mark the 60th anniversary of the founding of Xian Aircraft Industrial Corporation, or XAC – which is reportedly responsible for developing the H-20. Previous reports had said that 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 tonnes, and was expected to fly at subsonic speeds and potentially fire four powerful hypersonic stealth cruise missiles. Jon Grevatt, a warplane specialist and Asia-Pacific defence analyst at Janes said he expected the aircraft to become operational by the end of the 2020s</p> <p><i>(Vollständiger Report including computer-generated pictures of the Xian H-20 first released in the latest edition of the "Modern Weaponry magazine" abrufbar unter:</i> https://www.scmp.com/news/china/military/article/3134609/chinas-mysterious-h-20-strategic-bomber-may-be-able-strike <i>)</i></p> <p><i>(Ergänzende Information globaltimes.cn vom 26.05.2021: Overseas media reports have recently hyped some computer-generated images of a new type of bomber published by a Chinese mainland magazine, saying it looks like the Chinese People's Liberation Army (PLA) Air Force's next-generation stealth bomber, the H-20. But a source said the images are only imaginary and are not related to the H-20.)</i></p>

<p>airforcemag.com 24.05.2021</p>	<p>USAF: Most USAF Fighter Mission Capable Rates Rise in Fiscal 2020, Led by F-35</p>	<p>The Air Force's fighter fleet, led by the F-35A, turned in a better overall mission capable rate in 2020, even with limitations imposed by the pandemic, than it did in 2019, according to figures provided to Air Force Magazine. The F-35's MC rates soared, and rates even improved for the F-15C, which the Air Force is anxious to divest because of its age. The F-15E's MC rate declined, however.</p> <p>The F-35A's mission capable rate leaped from 61.6 percent in fiscal '19 to 76.07 percent in FY '20, according to Air Force figures. The program was helped largely by additional funding toward spare parts, a greater percentage of the fleet being of a more recent and less problem-prone vintage, and a greater number of depots being opened.</p> <p><i>(Vollständiger Beitrag inkl. Übersicht «AIR FORCE FIGHTERS' MISSION CAPABLE RATES» abrufbar unter:</i> https://www.airforcemag.com/usaf-fighter-mission-capable-rates-fiscal-2020/<i>)</i></p>
<p>defence-blog.com 22.05.2021</p>	<p>CZE: Czech Air Force receives latest version of C295 airlifter</p>	<p>According to the Czech Ministry of Defense, on the night of May 19, 2021, the first of two Airbus C295MW military transport aircraft ordered for the Czech Air Force (tail number "0481", serial number 172) arrived at the Prague-Kbely airfield. The new aircraft was the first of the new C295MW configuration, equipped with winglets. The C295MW aircraft, in addition to winglets, also have modified Pratt & Whitney Canada PW127G engines, updated avionics, navigation and communications systems, a modern flight planning system, satellite communications and data transmission systems. It is stated that the C295MW has a payload of 900-1000 kg more than the previous modification of the C295M, the fuel consumption is 3-4% less, the service ceiling is 1400 m higher and has improved characteristics for flights in hot or high altitude conditions. The new C295MW medium airlifters were ordered in December 2019. Together with this agreement, an additional contract was also signed for the upgrade of the four C295s currently in operation with the Czech Air Force. The agreement takes the Czech Air Force's total C295 fleet up to six aircraft.</p>
<p>economictimes. indiatimes.com 21.05.2021</p>	<p>NGA: Pakistan hands over 3 domestically- manufactured JF-17 Thunder fighter jets to Nigeria</p>	<p>Pakistan on Friday officially handed over to the Nigerian Air Force three domestically-made JF-17 Thunder fighter jets manufactured in collaboration with China. The fighter aircraft manufactured by Pakistan Aeronautical Complex were inducted at a ceremony held at the Nigerian Air Force base in Makurdi, Nigeria.</p>
<p>defence.gov.au 28.04.2021</p>	<p>AUS/RAAF:</p>	<p>Hornet maintainers have played a vital role in the life cycle of the F/A-18A/B aircraft, which they are preparing to farewell. Maintainers have kept this aircraft operational from the time it came into service with the Air Force</p>

	Maintaining pride in F/A-18 Hornet work	in 1985 through to when the last F/A-18A/B Hornet retires in 2021. Commander of Air Combat Group Air Commodore Timothy Alsop said the fleet consisted of 18 dual-seat variants F/A-18B (A21-101 to 118) and 57 single-seat F/A-18A variants (A21-001 to 057) as well as associated simulators, support equipment and spares. They recently pulled aircraft A21-022 apart for transit to the Australian War Memorial, and will prepare the remaining heritage aircraft for the next phase of their working lives.
		Hubschrauber und Kipprotor-Flugzeuge
dsca.mil 03.06.2021	AUS: AH-64E	The State Department has made a determination approving a possible Foreign Military Sale to the Government of Australia of AH-64E Apache Helicopters and related equipment for an estimated cost of \$3.5 billion. The Government of Australia has requested to buy twenty-nine (29) AH-64E Apache attack helicopters; sixty-four (64) T700-GE 701D engines (58 installed, 6 spares); twenty-nine (29) AN/ASQ-170 Modernized Target Acquisition and Designation Sight/AN/AAR-11 Modernized Pilot Night Vision Sensors (M-TADS/PNVIS); sixteen (16) AN/APG-78 Fire Control Radars (FCR) with Radar Electronic Units; twenty-nine (29) AN/APR-48B Modernized Radar Frequency Interferometers (MRFI); seventy (70) Embedded Global Positioning Systems with Inertial Navigation Systems plus Multi-Mode Receiver (EGI+MMR) (58 installed, 12 spares); thirty-five (35) AAR-57 Common Missile Warning Systems (CMWS) (29 installed, 6 spares); seventy (70) AN/ARC-231A Very High Frequency/Ultra High Frequency (VHF/UHF) radios (58 installed, 12 spares); eighty-five (85) AGM-114R Hellfire missiles; twenty-nine (29) M36E8 Hellfire Captive Air Training Missiles (CATM); and two thousand (2,000) Advanced Precision Kill Weapon System Guidance Sections (APKWS-GS) among others.
globaltimes.cn 31.05.2021	CHN: China's stealth chopper could be adaptation of Z-20; experts slam 'US copycat' claims	China appears to be developing a stealth helicopter that analysts said on Monday is difficult to detect on radar, infrared sensors and human sight and hearing, judging from a model of the chopper recently revealed in a television report, with some speculating that it could be a stealthy variant of the Z-20 medium-lift utility chopper. Military observers noted that the model likely represents a new type of helicopter that has stealth features in its airframe, rotor and exhaust designs. It could be a stealthy adaptation of the Z-20 helicopter, US media outlet thedrive.com reported on Sunday. Fu Qianshao, a Chinese military aviation expert, told the Global Times on Monday that he agrees with these guesses, and the model could be a forward research project for China's future stealth helicopter. The report by thedrive.com also claimed that China got related technologies from espionage

		<p>and data was from a US stealth Black Hawk helicopter which took part in the Bin Laden raid and was downed in Pakistan, but Fu said this accusation is groundless speculation.</p> <p>Foreign media also noted that a model of an unknown type of rotorcraft was also shown in the Jiangxi Television report, which seems to have vertical takeoff and landing capability. It has two sets of wings capable of pivoting upward and a total of six rotors on each set of wing.</p>
<p>globaltimes.cn 27.05.2021</p>	<p>CHN: China's Z-20 chopper shows all-weather capability in nighttime drill</p>	<p>Several Z-20s attached to an aerial assault brigade affiliated with the PLA Central Theater Command Army of the People's Liberation Army (PLA) recently held a nighttime exercise with Z-20s, China's latest military utility helicopter, with analysts saying on Thursday that the Z-20 has displayed initial all-weather combat capability, and related tactics and techniques would come in handy in surprise attacks. The exercise showed that the Z-20 is forming all-weather combat capability, after its only-recent commissioning into the PLA, a Chinese military expert told the Global Times on Thursday, requesting anonymity. It also indicated that the Z-20 is equipped with advanced sensors and other avionics systems to assist its pilot in making the right judgment at night, the expert said.</p> <p>Z-10 attack helicopters also joined the nighttime exercise, video shows. The Z-10 and the Z-20 can form a good combination in aerial assault missions, with the Z-10 being responsible for dealing with threatening targets and the Z-20 for transporting soldiers to where they are needed, the expert said.</p>
<p>janes.com 27.05.2021</p>	<p>SGP: Singapore air force takes delivery of first CH-47F heavy-lift helicopter</p>	<p>The Republic of Singapore Air Force (RSAF) has begun taking delivery of the CH-47F heavy-lift helicopters it ordered in November 2016, with the first example already being deployed at its training detachment in Australia. The RSAF described the new Chinooks as advanced helicopters with "a fully integrated, digital cockpit management system, and advanced cargo-handling capabilities". These features, coupled with capabilities such as an enhanced self-protection suite and a satellite communication (satcom) system, will enable it to better meet the lift requirements of the Singapore Armed Forces, it added. Singapore ordered an undisclosed number of CH-47Fs and Airbus Helicopters H225M medium-lift rotorcraft in 2016 as part of an RSAF modernisation programme, with the new platforms meant to replace the service's ageing fleet of AS332M Super Pumas and CH-47Ds.</p>
<p>na.gov.ph 27.05.2021</p>	<p>PHL: Navy 'Wildcat' helicopters now mission capable</p>	<p>The Philippine Navy (PN)'s two AugustaWestland (now Leonardo Helicopters UK) AW-159 "Wildcat " anti-submarine helicopters are now flying and mission capable. The helicopters arrived in May 2019 and were commissioned in June that year. The helicopters can be armed with rockets, machine guns, missiles, torpedoes, and depth charges and fitted with modern sonar systems for tracking down submarines.</p>

<p>airbus.com 25.05.2021</p>	<p>Airbus performs first five-bladed H145 retrofit of DRF Luftrettung helicopter</p>	<p>Airbus Helicopters, in cooperation with DRF Luftrettung, has performed the first retrofit of a four-bladed H145 into the new five-bladed version. The helicopter, an H145 of the German HEMS operator, was first delivered in 2018 and will be deployed at DRF's base in Villingen-Schwenningen, Germany. The upgrade to the five-bladed version can be performed by every Part145 maintenance organisation by following the associated service bulletin issued by Airbus Helicopters. It consists in exchanging the rotor system, updating the helicopter's Helionix avionics suite and installing a new horizontal stabilizer. The innovative five-blade bearingless rotor increases the useful load and further enhances the mission capabilities of the aircraft, while eliminating rotor hub maintenance.</p>
<p>pna.gov.ph 24.05.2021</p>	<p>PHL: PH set to acquire 6 Turkish attack helicopters</p>	<p>The Philippines has acquired six Turkish Aerospace Industries T129B "ATAK" helicopters for its attack helicopter program, Defense Secretary Delfin Lorenzana said on Monday. The budget for the attack helicopter program is placed at around PHP13.8 billion. "According to schedule, (deliveries will start in the) third quarter 2021," Lorenzana said.</p> <p><i>(Ergänzende Information pna.gov.ph vom 25.05.2021: The Department of National Defense (DND) on Tuesday announced that the first two out of the six T129B "ATAK" helicopters acquired by the Philippines from Turkey will be delivered in September. Another two units are expected to be delivered by February 2022 and another two in February 2023, which will complete the order.)</i></p>
<p>taiwannews.com.tw 22.05.2021</p>	<p>TWN: Taiwan gets 6 new Black Hawk rescue helicopters</p>	<p>Six National Airborne Service Corps Black Hawk helicopters will be deployed in north and south Taiwan, with three at Taipei's Songshan Airport and three in Kaohsiung, a person familiar with the matter has said. The new helicopters will be fitted with upgraded equipment such as military-grade infrared thermal imaging cameras and internal auxiliary fuel tanks, which enable the aircraft to perform day and night maritime search and rescue missions and will extend the scope of Taiwan's flight information region. The six Black Hawk helicopters were delivered to Taiwan from the U.S. in October 2020.</p>
<p>airbus.com 20.05.2021</p>	<p>FRA: Two more H160s for the French Navy</p>	<p>The French Armament General Directorate (DGA) has confirmed an option to Airbus Helicopters, Babcock and Safran Helicopter Engines for two more H160s for the French Navy. These aircraft will join the fleet of four H160s already contracted in 2020, the first of which is currently being assembled by Airbus Helicopters in Marignane, in the south of France. The six H160s will be delivered in a Search and Rescue (SAR) configuration and will gradually start operating from May 2022 from Lanveoc-Poulmic naval air station (Britany), Cherbourg airport (Normandy) and Hyères naval air station (Provence).</p>

		Unbemannte Luftfahrzeuge (UAV) und Robotik
inss.org.il 01.06.2021	ISR/GAZA: The "Other Side's" Unmanned Systems: After Operation Guardian of the Walls	<p>During Operation Guardian of the Walls, a number of (fixed wing) Unmanned Aerial Vehicles (UAVs) loaded with explosives were launched from the Gaza Strip designed to explode on Israeli territory. At least four UAVs were brought down by Israel's aerial defense system, including the first interception of its kind by the Iron Dome; one UAV was intercepted by a Python air-to-air missile made by Rafael, originally intended to intercept fighter planes, which was fired by an F-16 jet; others were brought down using classified means. In addition, multirotor drones carrying explosives were found on the ground inside Israel and neutralized by bomb disposal teams.</p> <p><i>(Vollständiger Beitrag abrufbar unter:</i> https://www.inss.org.il/publication/guardian-of-the-walls-drones/?utm_source=activetrail&utm_medium=email&utm_campaign=INSS%20Insight%20 %20The%20%e2%80%9cOther%20Side%e2%80%99s%e2%80%9d%20Unmanned%20Systems:%20After%20Operation%20the%20Guardian%20of%20the%20Walls<i>)</i></p>
tass.com 28.05.2021	RUS: Russian drones to get precision navigation system	<p>Russian unmanned aerial vehicles will be outfitted with a unique strapdown inertial navigation system produced by KRET Group. "The system's advantage is that it features high accuracy and offers a possibility of autonomous operation: it can determine coordinates and parameters of the movement of objects even in the absence of ground, sea or space reference points," a KRET statement says.</p> <p>Initially, this system was used in aircraft-making. Subsequently, it was adapted for drones. Strapdown inertial systems are lighter and smaller compared to platform-based versions and can operate at considerable loads, the Rostec press office said. "Navigational systems feature the option of operation based on GPS or Glonass in the combined mode or autonomously. At the same time, the systems' margin error is less than 1% in the normal mode of operation and less than 2% in the autonomous mode. The new system was successfully tested on drones in 2020 and the first prototypes of the latest navigational systems will be delivered for their use on Russian drones already in 2021.</p>
ga-asi.com 27.05.2021	ITA: GA-ASI to Provide Mid- Life Update to Italian Air Force MQ-9 RPA	<p>The Italian Air Force has partnered with the U.S. Government and General Atomics Aeronautical Systems, Inc. (GA-ASI) to provide a mid-life update to its fleet of MQ-9 Remotely Piloted Aircraft (RPA) and Ground Control Stations (GCS) as part of a Foreign Military Sales agreement. The Italian Air Force's Mid-Life Modernization (MLM) Program will include updates to the MQ-9s which will improve them from Block 1 to Block 5 configuration. The Block 5 system includes a significantly increased electrical power capability, improved landing gear and the latest versions of the GA-ASI Lynx® Multi-mode Radar and Raytheon Electro-Optical sensors.</p>

<p>economictimes. indiatimes.com 26.05.2021</p>	<p>IND: India to shortly deploy new Israeli Heron drones in Ladakh, LAC sector</p>	<p>The Indian forces are set to get a major boost to their surveillance capabilities as they are shortly going to receive their advanced Heron drones from Israel for keeping an eye on the Chinese activities in the Ladakh sector and other areas along the Line of Actual Control with China. The drones arriving shortly are more advanced than the Herons in the existing inventory and their anti-jamming capability is much better than their previous versions, the sources said. The acquisition of these drones had been done under the emergency financial powers granted by Prime Minister Narendra Modi-led government to the defence forces under which they can buy equipment and systems worth Rs 500 crores to upgrade their warfighting capabilities, amid ongoing border conflict with China.</p> <p>According to sources, the other small or mini drones are being acquired from the US that will be provided at the Battalion level to the troops on the ground and the hand-operated drones would be used to attain awareness about a specific location or area in their respective areas of responsibility.</p> <p>Using the same facility, the Indian Navy has leased two Predator drones which have been taken from American firm General Atomics.</p>
<p>rferl.org 26.05.2021</p>	<p>SRB: Military Secret Revealed: Serbia Spent Almost \$20 Million On Chinese Drones</p>	<p>Serbia spent \$19.3 million on six Chinese-made military drones, according to an investigation by RFE/RL's Balkan Service. The cost was kept secret when the drones were unveiled at a July 2020 ceremony, when Serbia became the first European country to import military aviation equipment from China. The United States and the European Union have had an arms embargo on China since 1989, following the Tiananmen Square massacre.</p>
<p>hensoldt.net 25.05.2021</p>	<p>HENSOLDT's Kollisionswarnsystem für Drohnen abflugbereit</p>	<p>HENSOLDT treibt die Entwicklung eines Kollisionswarnsystems für zivile und militärische Drohnen voran: Nachdem im Rahmen der Studienprogramme ProSA-n (militärisch) und KoKo2 (zivil) bereits der Radarsensor als Kernelement eines Kollisionswarnsystems im Flug erfolgreich getestet wurde, sind die Arbeiten an der für das Zusammenwirken mit einem Autopiloten notwendigen Software weit fortgeschritten. Bereits im Sommer soll ein Demonstrator des Kollisionswarnsystems bei Flugtests nachweisen, dass die Sensorleistung und die softwaregestützte Ausweichlogik korrekt mit dem Autopiloten korrespondieren. HENSOLDT's „Detect-and-Avoid“-Radar arbeitet mit der neuesten Technologie der elektronischen Strahlschwenkung (Active Electronically Scanning Array, AESA), die die Erfüllung mehrerer Detektionsaufgaben gleichzeitig erlaubt und eine sehr rasche Zielerkennung ermöglicht. Das skalierbare Radar ist in großen militärischen Drohnen ebenso einsetzbar, wie an Bord kleinerer, ziviler Drohnen.</p>

		Seit Jahresbeginn ist HENSOLDT auch an dem Programm EUDAAS (= European Detect and Avoid System) beteiligt, in dem mehrere europäische Unternehmen ein Konzept für das Einbringen großer militärischer MALE-Drohnen (MALE = Medium Altitude/Long Endurance), wie der kürzlich vom Bundestag freigegebenen Eurodrohne, in den europäischen Luftraum erarbeiten.
presstv.com 23.05.2021	HOUTH/SAU: Yemeni forces shoot down Saudi reconnaissance drone in Jawf skies	Yemeni army forces have shot down an unmanned aerial vehicle belonging to the Saudi-led military coalition over Yemen's northern province of al-Jawf. Spokesman for Yemeni Armed Forces Brigadier General Yahya Saree said air defense forces targeted the Chinese-made CH-4 combat drone with a surface-to-air missile which has not been unveiled yet. The aircraft was on a reconnaissance mission over al-Maraziq area in the Khabb wa ash Sha'af district of the province early Sunday morning, he said.
northropgrumman.com 25.05.2021	USN: Northrop Grumman's MQ-8C Fire Scout Completes Successful Fit Check aboard USS Anchorage (LPD-23)	A Northrop Grumman Corporation MQ-8C Fire Scout, the U.S. Navy's only ship-based autonomous helicopter program, passes the initial fit check aboard the USS Anchorage (LPD-23) at Naval Base San Diego demonstrating the aircrafts' suitability for the U.S. Marine Corps' amphibious warfare mission. MQ-8C Fire Scout, which has integrated the AN/ZPY-8 radar, is expected to reach Initial Operating Capability in this new configuration this summer and begin replacing MQ-8B aircraft on upcoming deployments. <i>(Kurzinformation MQ-8B abrufbar unter: https://www.northropgrumman.com/what-we-do/air/fire-scout/)</i>
stripes.com 22.05.2021	CENTCOM.MIL: US commander says more work needed to counter small drones	A month after an explosives-laden drone targeted U.S. forces at an Iraq base, the top American commander for the Middle East says finding better ways to counter such attacks is a top priority, and the United States is still behind the curve on solutions. Marine Gen. Frank McKenzie told reporters traveling with him that the use of small drones by Iranian-backed militia is only going to grow in the next few years. He spent the day in Iraq on Thursday, but for security reasons, media accompanying him were not allowed to report on his visit until after he left the region. The drones, which are cheap and easy to buy, are often difficult to detect and problematic to defeat. McKenzie said the U.S. must find more ways to counter their use by America's enemies in the Middle East and elsewhere. "We're open to all kinds of things" he said. "The Army is working it very hard. Still, I don't think we're where we want to be."
defence-blog.com 22.05.2021	POL: Poland buys Bayraktar TB2 armed drones from Turkey	Poland has confirmed it will acquire Turkish-made armed drones. "We have signed a contract for the purchase of four sets, that is, 24 aircraft armed with anti-tank missiles," Poland's Defense Minister Mariusz Blaszczak said on the air of Polish Radio 24, announcing the purchase of Bayraktar TB2 armed drones. The first medium-altitude, long-range tactical unmanned aerial vehicle (UAV) system is due to be delivered in the coming year, according

		to Mariusz Blaszczyk. The new drone system can perform reconnaissance, intelligence, and attack missions. Bayraktar TB2 unmanned combat aerial vehicle can carry a maximum payload of more than 150 kg. The drone can fly up to 22,500 feet and loiter for more than 24 hours. Bayraktar TB2 drones, which entered the Turkish army's inventory in 2014, are currently used by Turkey, Ukraine, Qatar, and Azerbaijan.
tasnimnews.com 21.05.2021	IRN: IRGC Unveils 'Gaza' Wide-Body Drone	<p>The Islamic Revolution Guards Corps (IRGC) on Friday unveiled a new strategic achievements in the drone field. They included a wide-body and heavy Unmanned Aerial Vehicle (UAV) named "Gaza" that can be employed in various combat, surveillance and reconnaissance missions. It can also be used in search and rescue operations and relief efforts after natural disasters and accidents. With a flight endurance of 35 hours and operational range of 2,000 kilometers, the drone is capable of carrying 13 bombs and 500 kilograms of equipment.</p> <p><i>(Ergänzende Information prestv.com von 21.05.2021: It is capable of carrying 13 bombs in a range of 2,000 kilometers in combat missions. The new drone can also carry 500 kilograms of various reconnaissance and signal and intelligence equipment.)</i></p> <p><i>(Ergänzende Information janes.com von 24.05.2021: The Gaza's outer mould line and its dimensions relative to the personnel assembling the vehicle, as well as the Shahed-129 UAV also shown in the footage, reveal it to be almost identical in appearance and size to the Reaper. As such, the Gaza is approximately 11 m in length and has a wingspan of about 20 m.)</i></p>
		Bewaffnung und weitere Nutzlasten
northropgrumman.com 03.06.2021	US ARMY: Northrop Grumman Continues Illuminating the Battlefield for US Army	Northrop Grumman Corp. will produce illuminating flares for General Dynamics – Ordnance and Tactical Systems (GD-OTS) that will be used for the U.S. Army's Tactical Aviation and Ground Munitions' (TAGM) unguided Hydra-70 Rocket program. The flares will provide greater tactical battlefield illumination in both the visible and infrared spectra. The five-year indefinite delivery/indefinite quantity (IDIQ) contract award is valued at up to \$80 million and is for production of the M257 visible spectrum flare, the M278 infrared spectrum illuminating flare and the newly designed M278A1 infrared spectrum illuminating flare. Hydra-70 illuminating flares can be fired from a variety of rotary and fixed-wing platforms, including the U.S. Army Apache and U.S. Marine Corps Cobra attack helicopters, as well as the U.S. Air Force F-16 Fighting Falcon and combat aircraft of many nations worldwide.

<p>defbrief.com 02.06.2021</p>	<p>NATO: US submarine hunters P-8A Poseidon launch Harpoon missiles in Europe for first time</p>	<p>P-8A Poseidon anti-submarine warfare and maritime patrol aircraft from Patrol Squadron FOUR (VP-4) successfully performed a coordinated missile launch with VP-40 using two AGM-84D Harpoon missiles against a target barge off the coast of Norway. The launch during exercise Formidable Shield 2021 marked the first use of Harpoon missiles by P-8A Poseidons in the European theater.</p>
<p>tass.com 02.06.2021</p>	<p>RUS: Russian tech firm may start production of latest glide bomb in 2023</p>	<p>The deliveries of the latest glide bomb Drel to the customer may begin already in 2023, CEO of Technodinamika Group, Igor Nasenkov said on the sidelines of a congress of the Union of Russian Machine-Builders on Wednesday. The Drel glide air bomb is designated to destroy the armor, ground radar stations, command posts and propulsion units of surface-to-air missile systems. The reports about the creation of a new bomb appeared in 2016. The latest glide bomb is expected to be invisible for radar screens.</p>
<p>thedrive.com 02.06.2021</p>	<p>USN: Cruise Missile Variant Of Navy's JSOW Glide Bomb Is On The Chopping Block</p>	<p>The U.S. Navy has reversed its plans to field a stealthy cruise missile derived from the AGM-154 Joint Stand-Off Weapon glide weapon, or JSOW. In lieu of these previous plans to acquire the AGM-154E Joint Stand-Off Weapon-Extended Range, or JSOW-ER, the service is now looking to buy another type of stealthy cruise missile, a design related to the AGM-158B Joint Air-to-Surface Standoff Missile-Extend Range, or JASSM-ER. The expectation had been that the Navy's F-35C Joint Strike Fighters would be able to carry JSOW-ERs internally, allowing them to employ the weapons while flying in their stealthiest configuration, something they will not be able to do with the JASSM-ER.</p>
<p>military.com 01.06.2021</p>	<p>USAF: Pentagon Eyes New Bombs for War With China, Not ISIS</p> <p>AGM-183A Air-launched Rapid Response Weapon (ARRW)</p> <p>AGM-158 JASSM-ER</p>	<p>The Air Force will buy fewer Joint Direct Attack Munitions, or JDAMs; Hellfire missiles; and small-diameter bombs as it prepares to invest in state-of-the art, long-range weapons that are better-suited for operations in the Pacific, according to its fiscal 2022 budget request.</p> <p>The service has requested \$161 million to buy an initial production of 12 Air-launched Rapid Response Weapon, or ARRW (pronounced "Arrow"), hypersonic weapons to move it out of the research and development phase. Despite the service shifting more resources toward the ARRW program last year, the missile failed its first flight test a few weeks ago.</p> <p>The Air Force also wants to increase its procurement of the Joint Air-to-Surface Standoff Missile-Extended Range, or JASSM-ER, stealth cruise missile, an advanced weapon with a range of roughly 600 miles, the budget documents state. Officials have previously stated the JASSM and its cousin, the Long-Range Anti-Ship Missile, or LRASM, can be used for stand-off precision strikes throughout the vast expanses of the Pacific region.</p>

	JDAM, Hellfire and SDB-1	<p>The Air Force will ask Congress for about 1,900 JDAM munitions, according to the documents, compared to 16,800 last year. The service wants to buy only 1,176 AGM-114 Hellfire missiles this year, down from 4,517 last year. And it plans to reduce its buy of GBU-39 Small Diameter Bomb I, or SDB I, to 998 from 2,462 last year.</p> <p>To bolster its inventory of conventional munitions that allow aircraft to stay outside the range of enemy air defenses, the service's funding request for JASSM-ER, which incorporates low-observable technology, has increased by \$211 million "to grow production line capacity." The Air Force wants to buy 525 missiles this year, up from 400 last year, the budget states.</p> <p><i>(Ergänzende Information airforcemag.com vom 02.06.2021: The only weapons USAF is asking to increase are the GBU-53 Stormbreaker (formerly the Small Diameter Bomb 2) and the AGM-158 JASSM-ER, which the Pentagon said is a crucial weapon due to its stealth and reach. Procurement of both weapons would be increased about 25 percent.)</i></p>
bundeswehr.de 28.05.2021	DEU: Meteor – ein Erfolgsprojekt aus sechs Nationen	<p>Mit der Zertifizierung des Lenkflugkörpers Meteor für den Eurofighter strebt die Luftwaffe einen wahren Meilenstein an. Diese für große Entfernungen ausgelegte Waffe ist nicht nur für den Einsatzwert des Kampffjets ein echter Zugewinn, sondern auch ein Musterbeispiel erfolgreicher multinationaler Zusammenarbeit. Gemeinsam mit fünf anderen Nationen hat die Bundeswehr hochentwickelte Technik „Made in Europe“ zur Einsatzreife gebracht.</p> <p><i>(Vollständiger Beitrag abrufbar unter: https://www.bundeswehr.de/de/organisation/luftwaffe/aktuelles/meteor-ein-erfolgsprojekt-aus-sechs-nationen-5086646)</i></p> <p><i>(Factsheet Meteor abrufbar unter: https://www.bundeswehr.de/de/ausrustung-technik-bundeswehr/ausrustung-bewaffnung/luft-luft-rakete-meteor)</i></p>
lockheedmartin.com 27.05.2021	KWT: Sniper Advanced Targeting Pod Successfully Integrates With Kuwait F-18 Super Hornet	<p>Lockheed Martin in conjunction with the U.S. Navy, completed its first flight test integrating Sniper® Advanced Targeting Pod (ATP) with the F/A-18E/F Super Hornet for the Kuwait Air Force. Sniper ATP will be located on the Weapon Station 5, an area on the aircraft where pods or weapons attach and is expected to be fielded with the aircraft in late 2023. Integrating Sniper ATP onto Weapon Station 5, commonly known as the ‘cheek station,’ brings state-of-the-art tracking algorithms, two-way-data-link, and many other capabilities to the Kuwait F/A-18E/F crews that will positively impact the overall success of their missions. This also means that all F/A-18E/F customers will have the option of a reliable, easily maintainable and modern targeting pod.”</p>

		<p>To verify the mechanics of the system, flight testing with a non-operational Sniper ATP was conducted at Naval Air Station Patuxent River in Maryland in March. Subsequently, flight-testing with an operational Sniper ATP was conducted at Naval Air Weapons Station China Lake in California in March. Both first flight tests were successful.</p> <p>Currently, Sniper ATP flies on both the Kuwait F/A-18C/D and Canadian CF-18 Hornets.</p>
<p>afrl.af.mil 26.05.2021</p>	<p>USAF: AIR Force Research Laboratory successfully completes Golden Horde Collaborative Small Diameter Bomb flight demonstrations</p>	<p>The Department of the Air Force Golden Horde Vanguard program successfully completed the three objectives of the final flight test of its modified Boeing Small Diameter Bomb I (CSDB) on May 25, 2021 at White Sands Missile Range, N.M. The Golden Horde program is an initiative focused on advancing Networked, Collaborative and Autonomous (NCA) weapon capabilities through live and virtual testing.</p> <p>During the flight test, two F-16s from the 96th Test Wing Eglin Air Force Base simultaneously released their weapons, with four released from one aircraft and two weapons released from the other. As in previous missions, the weapons established communications with each other.</p> <ul style="list-style-type: none"> ° The first objective expands the radio network from the previous two and four weapons in flight to six weapons in flight, as well as a ground station. ° The second objective sends an In-Flight Target Update from a ground station to the flight weapons to engage a new high priority target. ° The final new objective was to have two weapons perform a synchronized time on target (STOT) attack on a single target location. Two other weapons were synchronized on two targets, which was also demonstrated on the second test mission. <p><i>(Vollständiger Beitrag afrl.af.mil abrufbar unter:</i> https://www.afrl.af.mil/News/Article-Display/Article/2634538/afrl-successfully-completes-golden-horde-collaborative-small-diameter-bomb-flig/<i>)</i></p>
<p>economictimes. indiatimes.com 26.05.2021</p>	<p>IND: AASM Hammer air to ground standoff missiles</p>	<p>The Indian Air Force had exercised the same powers to acquire a large number of anti-tank guided missiles, long-range precision-guided artillery shells along with the Hammer air to ground standoff missiles with a strike range of around 70 kilometres. The acquisition of these weapons had been done under the emergency financial powers granted by Prime Minister Narendra Modi-led government to the defence forces under which they can buy equipment and systems worth Rs 500 crores to upgrade their warfighting capabilities, amid ongoing border conflict with China.</p>

		<p>(Fact sheet Hammer abrufbar unter: https://www.safran-electronics-defense.com/aerospace/weapons-and-missiles/aasm)</p>
flightglobal.com 21.05.2021	USAF: Lockheed AIM-260 Joint Advanced Tactical Missile	The Lockheed AIM-260 is the USAF's intended replacement for the AIM-120 AMRAAM. The missile's range and propulsion are classified. It is partly a response to China's PL-15 missile, which is thought to have a range close to 108nm. The USAF has said that it wants AIM-260 to reach initial operating capability as soon as 2022. Upon successful ramp-up of production of the new missile, it would buy its last AMRAAMs in fiscal year 2026, the service has said.
flightglobal.com 21.05.2021	USAF: Raytheon looks at integrating AMRAAM-ER in F-35A internal carriage MBDA's Meteor	<p>Raytheon Missiles & Defense performed a digital fit check of its AIM-120 Advanced Medium Range Air-to-Air Missile-Extended Range (AMRAAM-ER) variant inside the internal carriage of a Lockheed Martin F-35 stealth fighter. AMRAAM-ER is about 16in (40.6cm) longer than the 12ft (3.7m) conventional AMRAAM, Steve Dickman, Raytheon's senior director for air dominance, said on 19 May. The variant is about 3in wider in diameter than the 7in-diameter conventional missile. The production version of AMRAAM-ER will incorporate an AMRAAM-C8 guidance section and a new rocket motor made by Nammo of Norway, along with a new control actuation system made by Kongsberg. Raytheon believes the US Air Force's (USAF's) F-35A could field two examples of the larger missile, one in each internal weapons bay. The F-35A can carry four of the smaller conventional AMRAAMs; two in each internal weapons bay.</p> <p>Nearly 25,000 examples of AMRAAM have been produced for air forces the world over. All US fighter aircraft use it as the primary beyond-visual-range missile. However, AMRAAM is facing competition from newer weapons, including MBDA's Meteor and Lockheed's in-development AIM-260. The Meteor entered service in 2016 and is thought to have a range greater than the AMRAAM. The missile gets its longer reach from a solid-fueled ramjet motor, which allows it to maintain powered flight in its final stages. Solid rocket-powered missiles, like the AMRAAM, accelerate and then burn out quickly, meaning in the later stages of flight the weapon is effectively coasting – albeit at supersonic speeds – a scenario in which a target aircraft might be able to out-maneuvre it.</p>
baesystems.com 21.05.2021	AUS: Australian technologies for Joint Strike Missile	Kongsberg has placed an order with BAE Systems Australia to acquire an additional 180 Passive Radio Frequency Sensors (PRS) for its Joint Strike Missile (JSM). This completes the first full rate of production order for 200 PRS sensors. The JSM is highly effective fifth-generation, long-range, precision-guided, stand-off missile system for attacking maritime and land targets, and is the only anti-ship cruise missile that can be carried internally within the F-35 Joint Strike Fighter. This allows the F-35 to retain its range and stealth capabilities, making it highly suited to meet the RAAF's F-35 Maritime Strike requirements under Project 3023 Phase 2. The JSM is from the

		same family of missiles as the Naval Strike Missile (NSM) that was competitively selected by the US Navy, and is also a candidate missile for Project SEA 1300 for the Royal Australian Navy.
		Air Power
taiwannews.com.tw 03.06.2021	USA/TWN: Multiple American military planes have conducted missions in the region of Taiwan	On Wednesday (June 2), a U.S. Navy P-8A maritime patrol aircraft flew southward along the median line of the Taiwan Strait, the Liberty Times reported. The same day, two U.S. Marine Corps V-22 tiltrotor planes and two MC-130 special operations command aircraft were spotted in the Bashi Channel between Taiwan and the Philippines. Southwest of the channel, two RC-130 reconnaissance planes, a KC-135 tanker aircraft, and a P-8A patrol plane were detected.
terrorism-info.org.il 02.06.2021	RUS/SYR: Spotlight on Global Jihad - May 27 – June 2, 2021	The Syrian arena - the desert region (Al-Badia): Russian fighter jets carried out over 100 airstrikes against ISIS targets in the desert region (Syrian Observatory for Human Rights, May 28, 2021).
raf.mod.uk 02.06.2021	RAF/FRA: RAF Chinooks pass 3000 hours of operational flying supporting French Operations in Mali	RAF Chinooks currently deployed in Mali in support of French Military Operations there have passed a significant milestone after recording 3000 hours of operational flight time. The milestone was passed by 1310 Flight, the RAF detachment that operates the CH-47 Chinooks in Mali and is primarily committed to conducting flight operations in support of the French Operation Barkhane, a counter-terrorist operation across the Sahel region of West Africa. Since the inception of the task in 2018, the CH47 Chinook detachment has have moved over 1,500 tonnes of freight and over 18,000 French soldiers.
cnn.com 02.06.2021 10:51 HKT	MYS/CHN: Malaysia scrambles fighter jets after 16 Chinese military aircraft fly toward Borneo	The Foreign Ministry of Malaysia on Tuesday said it would summon China's envoy to explain an "intrusion" by 16 People's Liberation Army Air Force planes into its Exclusive Economic Zone (EEZ), after Malaysia's military detected "suspicious" activity over the South China Sea. Malaysia's air force said the planes, comprising Ilyushin il-76 and Xian Y-20 strategic transporters, had traveled in an "in-trail" tactical formation at between 23,000 and 27,000 feet. <i>(Ergänzende Information nst.com.my vom 01.06.2021 03:42 PM: "Then, they flew further to reach almost 60 nautical miles from the coast of Sarawak's territory, and this brought the fear of a threat to the nation's sovereignty." RMAF then</i>

		<p>launched Hawk 208 aircraft from the 6th Squadron from the Labuan Air Base to be on standby through RMAF's 'Op Curiga'." Ackbar said radar monitoring ensued and several attempts were made to direct the PLAAF aircraft to contact KK FIR air traffic control, but the instructions were ignored. "When the instructions were not followed and it was found that (these aircraft) went beyond the KK FIR toward national airspace, RMAF launched its interceptor aircraft at 1.33pm to conduct visual identification. "As a result of the air interception that was carried out, RMAF identified the (PLAAF) aircraft as Ilyushin Il-76 and Xian Y-20, which are capable of performing various missions," said Ackbal. A spokesman of the Chinese embassy in Malaysia said the Chinese military aircraft did not enter the territorial airspace of any country during the training and had strictly abided by the relevant laws.)</p> <p>(Ergänzende Information globaltimes.cn vom 02.06.2021: Chinese Air Force planes did not violate the airspace of other countries when the People's Liberation Army (PLA) reportedly dispatched 16 aircraft comprising strategic transport planes to the South China Sea for routine flight training on Monday. Malaysia's claim of the Chinese aircraft being a "serious threat to national sovereignty and flight safety" does not stand, and neither would China do such a thing, as China is looking to jointly maintain regional peace and stability with the friendly neighbor, Chinese experts said on Wednesday. China's strategic airlifters can play important roles in disaster and humanitarian relief in the region, as they did with delivering COVID-19 vaccines and medical supplies, observers said.)</p>
reuters.com 31.05.2021	BUR: Myanmar carries out air strikes after militia attacks – witnesses	Myanmar's military used artillery and helicopters on Monday against anti-junta militias in the country's east, witnesses and rebels said, forcing residents to flee and join thousands of others displaced by recent fighting in the region.
reuters.com 31.05.2021	NATO/RUS: Russia scrambles fighter jet to escort U.S. bomber	The Russian military scrambled an Su-27 fighter jet to accompany a U.S. B-52H bomber over the Baltic Sea, Russian news agencies reported, citing the military. They said the bomber has not violated the Russian airspace.
jpost.com 30.05.2021	CIA/IRN: How did Iran target a secret CIA site in Iraq?	<p>A scoop at The Washington Post revealed that Iranian-backed militias were able to target a "secret CIA hangar" using a drone in April. This attack hit a hangar in Erbil in the autonomous Kurdistan region. This is a major escalation and shows careful planning and complex know-how by the Iranian regime and its militias in Iraq. It means that Iran was able to transfer the drone itself to Iraq and gather the intelligence on the apparent location of this secret site, which is inside a known US facility, and precisely set the drone to strike it.</p> <p>The attack in Iraq is particularly interesting because US bases are supposed to have some sort of defenses against this known and rising threat. US CENTCOM head Kenneth McKenzie has warned for a year about the rising threats of drones in the region. He warned in March 2020, and again in February 2021. "We've spent billions of</p>

		<p>dollars in the Department of Defense on counter drone systems. I'm concerned that we're still under grave threat from them. But I'm also encouraged to see that your command has been experimenting with so many new and more effective counter drone systems," he told the US Senate in March 2020.</p> <p>The "evolving drone threat" is a major concern in Iraq. "The drone's flight was tracked to within 10 miles of the site, but its path was then as it moved into a civilian flight path, the coalition official said," according to the report. "Preliminary analysis suggested it was made in Iran."</p> <p><i>(Vollständiger Report abrufbar unter:</i> https://www.jpost.com/middle-east/iran-news/how-did-iran-target-a-secret-cia-site-in-iraq-669612<i>)</i></p>
<p>alarabiya.net 30.05.2021 02:40 AM EST</p>	<p>SAU: Arab Coalition intercepts Houthi drone targeting Saudi Arabia's Khamis Mushait</p>	<p>The Arab Coalition intercepted and destroyed an explosive-laden drone launched by Yemen's Houthis towards Saudi Arabia's Khamis Mushait on Saturday night. The Houthis' explosive-laden unmanned aerial vehicles (UAV) were the latest in a series of escalated attacks on the Kingdom by the Iran-backed militia in Yemen. Since January, Yemen's Houthis have launched dozens of aerial attacks on Saudi Arabia targeting civilian areas and energy facilities in the Kingdom with explosive-laden drones and ballistic missiles.</p>
<p>defense.gouv.fr 27.05.2021</p>	<p>FRA: CHAMMAL: MRTT Phoenix tanker participates in Operation CHAMMAL from the metropolis</p>	<p>Last week, the multi-role aircraft A330 Phoenix participated three times in Operation CHAMMAL, being engaged directly from Istres Air Force Base 125, the site of its parking lot. On Tuesday, May 18, Wednesday, May 19, and Sunday, May 23, the Phoenix carried out missions lasting approximately 12 hours for coalition aircraft operating in the Levant in the fight against Daesh. The 31 Air Refuelling and Strategic Transport Wing (EARTS) were able to refuel the Rafale C and M currently engaged in Operation CHAMMAL. Tactical data links on the Phoenix, such as Link 16, allowed to fit seamlessly into coalition air operations. The A330 Phoenix is the AAE's next-generation strategic aircraft capable of refueling different types of aircraft in flight, thanks to the 110 tons of fuel it carries. The Phoenix can also carry out personnel and cargo missions, carry out medical evacuations and serve as a communication relay.</p>
<p>usafe.af.mil 27.05.2021</p>	<p>NATO: B-52s conduct maritime integration operations over Mediterranean Sea</p>	<p>U.S. Air Force B-52H Stratofortress aircraft from the 2nd Bomb Wing, Barksdale Air Force Base, Louisiana, completed a mission with U.S. Naval Forces Europe-Africa in the Mediterranean Sea on May 26, 2021. The bombers integrated with Royal Air Force Eurofighter Typhoon aircraft and Hellenic F-16 aircraft over the east Mediterranean Sea before conducting counter-maritime integration with P-8A Poseidon aircraft assigned to U.S. Naval Forces Europe-Africa's Patrol Squadron 40 (VP-40). Turkish F-16 aircraft currently supporting NATO Enhance Air Policing escorted the B-52H aircraft on their return to Morón Air Base, Spain.</p>

<p>raf.mod.uk 27.05.2021</p>	<p>GBR/ROU: RAF Typhoons practise intercept of USAF B-52 Bombers over Romania</p>	<p>RAF Typhoon fighters currently carrying out the NATO enhanced Air Policing mission in Romania have carried out a successful practice intercept of United States Air Force B-52H bombers. The RAF Typhoons are operating from Mihail Kogălniceanu air base and carried out the practice scramble to intercept the two United States Air Force B-52H Stratofortress long range bombers that were transiting through Romanian airspace. The RAF has four Typhoons currently stationed in Romania that are complementing the Romanian Air Force's own Quick Reaction Alert (QRA) force. Romania is equipped with MiG -21LanceR and the American built F-16 aircraft.</p>
<p>taiwannews.com.tw 27.05.2021 09:27 AM</p>	<p>TWN/CHN: Chinese early warning aircraft enters Taiwan's ADIZ</p>	<p>According to the Ministry of National Defense (MND) a People's Liberation Army Air Force (PLAAF) Shaanxi KJ-500 airborne early warning and control plane entered Taiwan's air defense identification zone (ADIZ) on Wednesday afternoon (May 26), marking the 17th intrusion this month., In response, Taiwan sent aircraft, broadcast radio warnings, and deployed air defense missile systems to track the plane.</p>
<p>usafe.af.mil 26.05.2021</p>	<p>USA/ITA: Italian F-35s train at Aviano, strengthening partnerships</p>	<p>For the first time ever, two Italian air force F-35 Lightning IIs, assigned to the 32nd Wing, Amendola Air Base, Italy, landed at Aviano Air Base, Italy, May 20-21, in support of Astral Knight 2021. AK21 is an integrated air and missile defense exercise focused on defending key terrain, involving service members from Albania, Croatia, Greece, Italy, Slovenia and the United States. This year ITAF F-35 pilots, who also participated in Astral Knight 2019, played the role of "allies" during AK21.</p>
<p>tass.com 26.05.2021</p>	<p>RUS/NOR: Russian MiG-31 fighter intercepts Norwegian military plane over Barents Sea</p>	<p>A Russian MiG-31 jet was scrambled to intercept a Norwegian Air Force P-3C Orion maritime patrol plane over the Barents Sea, the Northern Fleet's press office reported on Wednesday.</p>
<p>tass.com 25.05.2021</p>	<p>RUS/SYR: Tu-22M3 bombers' presence in Syria aims to stabilize situation</p>	<p>On Tuesday 25.05.2021, three Russian Tu-22M3 bombers performed their first flight to Russia's Hmeymim airbase in Syria. As the Russian Defense Ministry reported, the bombers will return to their home airbases in Russia after accomplishing their training missions of mastering the airspace in the maritime zone of the Mediterranean Sea.</p> <p><i>(Ergänzende Information defenseworld.net vom 26.05.2021: Three Russian Tu-22M3 long-range nuclear-capable bombers, which arrived Sunday at the Hmeymim Air Base in Syria, began over-flights in the Mediterranean Sea region today. At least one of the aircraft was photographed taking off with the KH-32 long-range anti-ship missile strapped to its wing. At present, all types of aircraft in service with the Armed Forces of the Russian Federation, including heavy aircraft, can fly from the Hmeymim Air Base.)</i></p>

<p>taiwannews.com.tw 25.05.2021 10:00 AM</p>	<p>TWA/CHN: Chinese electronic warfare plane enters Taiwan's ADIZ</p>	<p>A Chinese military aircraft entered Taiwan's air defense identification zone (ADIZ) on Monday morning (May 24), marking the 16th intrusion this month. According to the Ministry of National Defense (MND), a single People's Liberation Army Air Force (PLAAF) Shaanxi Y-8 electronic warfare plane flew into the southwest corner of the ADIZ. In response, Taiwan sent aircraft, issued radio warnings, and deployed air defense missile systems to track the PLAAF plane.</p> <p>According to MND data, Chinese planes were tracked in Taiwan's identification zone 22 times in April, 18 times in March, 17 times in February, and 27 times in January. Last year, they were observed 19 times in December, 22 times in November, and 22 times in October, including a drone on Oct. 22.</p>
<p>taiwannews.com.tw 24.05.2021 10:55 AM</p>	<p>TWA/CHN: Two Chinese military turboprops enter Taiwan's ADIZ</p>	<p>According to the Ministry of National Defense (MND), a People's Liberation Army Air Force (PLAAF) Shaanxi Y-8 electronic warfare plane and Shaanxi Y-8 anti-submarine warfare aircraft entered Taiwan's air defense identification zone (ADIZ) in the southwest corner on Sunday morning (May 23), marking the 15th such intrusion this month.</p>
<p>terrorism-info.org.il 23.05.2021</p>	<p>ISR/GAZA: Israel's Response</p>	<p>During Operation Guardian of the Walls Israel destroyed more than 1,500 terrorist targets, severely damaging the strategic and tactical capabilities of Hamas and the PIJ. Among the targets were the following (IDF spokesman, May 21, 2021):</p> <ul style="list-style-type: none"> ◦ Hamas' tunnel system (the "metro") in Gaza City, Rafah and Khan Yunis: The IDF destroyed more than 100 kilometers (60 miles) of tunnels used by the Hamas leadership and terrorist operatives as hideouts, and command and control centers. Several attack tunnels in the northern Gaza Strip were also hit. ◦ Terrorist operatives: An estimated 50 senior Hamas and PIJ terrorist operatives were killed including brigade commanders, and about 20 lower-ranking commanders and about 200 terrorist operatives. ◦ Rocket launching capabilities: The IDF carried out about 340 attacks on high-trajectory rocket launchers, 230 attacks on surface-to-surface rocket launchers, and about 35 on mortar shell launchers. ◦ Weapons-manufacture capabilities: The weapons-manufacturing and military-buildup capabilities of the terrorist organizations were hit hard, research and development operatives were killed, and small facilities for the manufacture of weapons, development centers and weapons storehouses were hit. ◦ Hamas administration structures: Dozens of administration offices, 11 buildings belonging the internal security forces, and five banks used to transfer funds for terrorist activities were attacked. A senior source in the Hamas police force said that between 15% and 25% of the police management offices and most of its headquarters were partially destroyed. ◦ The terrorist infrastructure: The Israeli Air Force attacked dozens of bases, posts, command centers and nine multistory buildings where terrorist activity was coordinated.

		<ul style="list-style-type: none"> ° Prevention of attacks: Terrorist invasions were prevented, as were attacks from anti-tank missile squads, seven aerial threats (armed UAVs) and two naval threats (including attacks by unmanned submarine vessels). <p><i>(Ergänzende Information @IsraelRadar_com vom 30.05.2021: Number of bombs dropped in entire Gaza conflict will be used in less than 1 day of fighting in #Lebanon. One more reason why future war between #Israel and Hezbollah will look very different than Gaza clash.)</i></p>
reuters.com 23.05.2021 04:46 PM	BLR: Belarus forces Vilnius-bound Ryanair plane to land to detain blogger	<p>Belarusian President Alexander Lukashenko ordered a Ryanair flight carrying a key opposition blogger and headed for Lithuania to land in the Belarusian capital Minsk on Sunday and detained him on arrival, officials and rights activists said. Law enforcers detained activist Roman Protasevich, put on a wanted list after last year's mass street protests following an election in which Lukashenko had claimed a landslide victory.</p> <p>The aircraft, flying over Belarus from Athens to Vilnius, had almost reached Lithuania when it changed direction and was escorted to Minsk amid reports that it had explosives on board, according to an online flight tracker and state news agency BelTA. Lukashenko personally ordered a MiG-29 warplane to escort the Ryanair Boeing to Minsk. The Belarus department for organised crime control also reported that Protasevich had been detained but then deleted the statement from its Telegram channel.</p> <p>A Lithuanian airport authority spokeswoman told Reuters the plane, scheduled to land in Vilnius at 1100 GMT, was diverted to Minsk due to a conflict between the crew and a passenger. The plane was expected to land in Vilnius from Minsk at 1500 GMT, she said. Ryanair and the Lithuanian ministry of foreign affairs had no immediate comment.</p>
debka.com 22.05.2021 21:55 PM	IRQ/SYR: Unidentified aircraft strike car on Syrian-Iraqi border	<p>A targeted assassination is suspected in an air attack on a car containing three men near Abu Kamal on the Syrian-Iraqi border on Saturday. The attack also struck several other ground targets, inflicting material damage. Baghdad sources attributed the strike to the Israeli air force.</p>
@idf 22.05.2021 08:27 PM	ISR/GAZA: Operation Guardian of the Walls	<p>The IDF has successfully completed Operation Guardian of the Walls. This is what the 12-day-long operation looked like in numbers:</p> <ul style="list-style-type: none"> ° 4360(+) rockets fired at Israel ° 680 rockets misfired in Gaza

		<ul style="list-style-type: none"> ◦ 90% intercepted by the Iron Dome ◦ 1500(+) terror targets struck in Gaza ◦ 675 rocket launching capabilities damaged ◦ 200(+) terrorists neutralized ◦ 60(+) miles of Hamas' terror tunnel network destroyed <p><i>(Ergänzende Information timesofisrael.com von 23.05.2021: 'Guardian of the Walls' wasn't the resounding victory the IDF had hoped for. Though it had clear successes on the tunnel front and elsewhere, the military failed to prevent terror groups in Gaza from firing over 4,000 rockets and mortar shells at Israel) (Vollständige Analyse abrufbar unter https://www.timesofisrael.com/guardian-of-the-walls-wasnt-the-resounding-victory-the-idf-had-hoped-for/)</i></p> <p><i>(Ergänzende Information @ronenbergman vom 29.05.2021: Hamas members have developed significant electronic warfare capabilities designed to disrupt the Air Force's GPS guided smart bombs. "We had to hurt them," he said.)</i></p>
jpost.com 21.05.2021	ISR/GAZA: No rockets since 2 a.m. ceasefire, over 100 km of Hamas tunnels destroyed	Over the close to two weeks of fighting, the IDF destroyed over 100 km of Hamas's tunnel network during multiple strikes in Gaza City, Khan Yunis and Rimal. The IDF also focused on destroying the groups' rocket launching abilities, with some 570 airstrikes targeting rockets and their launchers. Of that, 340 strikes targeted rocket launching infrastructure such as launch pits and 230 ground-to-ground rockets and 70 multi-barrel rocket launchers. Another 35 strikes target mortars.
ynetnews.com 21.05.2021	ISR/GAZA: IDF: Most main targets in Gaza have been hit	After years of close monitoring, the military's intelligence arm expresses satisfaction with severe blows delivered to Hamas' strategic capabilities, including production of rockets and other advanced armaments. <i>(Vollständiger Report abrufbar unter: https://www.ynetnews.com/article/ryDnE27tO)</i>
errorism-info.org.il 20.05.2021	SYR: Russian Air Attack	The Idlib region: On May 12, 2021, Russian fighter jets attacked rebel targets in the southwestern part of the rebel enclave in Idlib (Syrian Observatory for Human Rights, May 12, 2021). The desert region (Al-Badia): Russian fighter jets carried out intensive airstrikes against ISIS targets in the desert region. A total of 13 ISIS operatives were killed and several ISIS vehicles were destroyed (Syrian Observatory for Human Rights, May 15, 2021).
thebarentsobserver.com 20.05.2021	NOR/NATO: Norway in joint training with B-52 up north	A pair of Norwegian F-16 fighter jets from Bodø airbase met the American B-52 outside Andøya in northern Norway and the NATO allies were flying together to just south of the Arctic Circle. Outside Brønnøysund, the Norwegians turned north to Bodø again, while the B-52 continued on its mission as part of a global operation.

kam.lt 19.05.2021	LTU: B-52 strategic bomber of the United States flew over Lithuania in demonstration of NATO solidarity and unity	In the late afternoon of May 19 a B-52 U.S. strategic bomber flew over Vilnius as part of a coordinated U.S. and other allies' training, in demonstration of the Alliance solidarity and unity. The B-52 bomber flew over the Vilnius International Airport. Since 2018, the U.S. and other NATO allies carried out over 200 such B-52 bomber training events over the Baltic and other allies. <i>(Ergänzende Information eucom.mil vom 20.05.2021: U.S. Air Force B-52H Stratofortress aircraft from the 2nd Bomb Wing, Barksdale Air Force Base, Louisiana, completed a mission with NATO allies in the international airspace over the Baltic region on May 19, 2021. The mission included low-flies over the capital cities of Riga, Lativa, and Vilnius, Lithuania. Danish and Polish fighter aircraft escorted the bombers through the Baltic airspace.)</i>
israelradar.com 17.05.2021	ISR: IDF Creates New Method to Destroy Gaza Rocket Launchers	The IDF is using a new method to rapidly detect and destroy multi-barrel rocket launchers in Gaza. The innovative technique was developed in the past week of fighting by intelligence experts. The new methodology is enabling Israel to boost the pace of eliminating rocket threats, military reporter Ron Ben-Yishai wrote. The IDF destroyed about 80 multi-barrel launchers within a day after implementing the system, he said. Launchers capable of firing multiple rockets are the most important weapon available to Hamas and Islamic Jihad, the report said. Depriving them of this capability would give the IDF a decisive edge in the war, and also in a future conflict with Hezbollah.
		Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance
taiwannews.com.tw 03.06.2021	USA/CHN: US spy plane flies into China's air defense zone	Chinese think tank South China Sea Strategic Situation Probing Initiative tweeted that a U.S. Air Force RC-135U aircraft had entered China's ADIZ Thursday morning (June 3). The plane took off from Kadena base in Okinawa, Japan, and flew into the East China Sea before heading west towards China. It then turned south and flew as far as Fujian Province before returning to the base along the same flight path.
northropgrumman.com 02.06.2021	USAF : Northrop Grumman Helps to Enable Decision Superiority	The Air Force is talking about a new mission set for tanker and cargo aircraft—make the tankers flying communication nodes. The new mission set concept, known as the Data Tanker, uses existing aircraft, operating refueling missions, to not only share fuel but also collect and transmit data over high capacity data links and, via high speed processors, share information with warfighters at the tactical edge. The data tanker effort is part of a broader U.S. DoD initiative to connect and integrate shooters, sensors and platforms across all domains and

		<p>branches of the military to advance the speed of information sharing and decision making – also known as Joint All Domain Command and Control (JADC2).</p> <p><i>(Vollständige Medienmitteilung abrufbar unter:</i> https://news.northropgrumman.com/news/features/northrop-grumman-helps-to-enable-decision-superiority<i>)</i></p>
defense.gov 25.05.2021	USN : E-2D Delta System/Software Configuration Build IV (DSSC4) developmental test aircraft	Northrop Grumman Systems Corp. is awarded a \$9,529,494 modification (P00035) to a previously awarded fixed-price-incentive-fee contract (N0001915C0091). This modification adds scope to procure two additional E-2D Delta System/Software Configuration Build IV (DSSC4) developmental test aircraft, increasing the quantity from three to five. This modification also provides for the upgrade of the mission computer display memory from 32GB to 64GB. Work is expected to be completed in June 2022.
tass.com 23.05.2021	RUS: Russia's Nebo-M radars can detect F-22, F-35 warplanes	Russia's Nebo-M radars can detect advanced aircraft, including F-22 Raptor and F-35 Lightning II of the United States, Almaz-Antey Director General Yan Novikov said. The first serial Nebo-M were delivered to the Western Military District in 2017. They were later supplied to regiments in Transbaikalia, Khabarovsk and Primorye regions. The radars were delivered to Crimean air defense in 2018. Mobile Nebo-M can be rapidly redeployed by land or airlifters. Nebo-M can detect aircraft and ballistic missiles at a distance of one thousand kilometers. Air and hypersonic targets are detected at 600 km which is twice above the range of previous generations. Stealth technologies pose no problem for the new radars.
af.mil 21.05.2021	USAF: Advanced Battle Management System (ABMS), in New Phase, Prepares To Start Fielding	<p>With senior Air and Space Force officials satisfied that the ambitious Advanced Battle Management System (ABMS) has met key benchmarks, they are pushing the novel program into a new and more operational phase, bringing the system's tools and technology one step closer to being available for use in the "real world." A communications pod installed in a KC-46 Pegasus tanker aircraft will allow the F-35 Lightning II and F-22 Raptor to connect and instantly receive and transmit the most up-to-date information to ensure the warfighters maintain decision superiority. This concept is known as Capability Release #1 under the Advanced Battle Management System framework. The ABMS is the Department of the Air Force's contribution to Joint All Domain Command and Control, or CJADC2, a DoD effort to digitally connect all elements of the U.S. military – from sensors to shooters – across all five warfighting domains: air, land, sea, space and cyberspace.</p> <p>As an initial step in this new phase, communications "pods" will be designed and purchased and installed on a select number of KC-46 Pegasus tankers. Designers liken the "pods" to internet hotspots that will allow, in this</p>

		case, F-22 Raptor and F-35 Lightning II aircraft to “log on” and easily — instantly — receive and transmit a wealth of data and information that previously was not available or, at best, hard to receive.
		Cyber- und Electromagnetic Warfare
israelradar.com 26.05.2021	Hamas Cyber Force Paralyzed in Gaza War, IDF Reveals	The IDF completely neutralized Hamas cyber capabilities during the recent conflict in Gaza. The army paralyzed cyber tools meant to disrupt vital Israeli systems and sensitive military databases, a high-ranking officer revealed. Overall, Hamas had “zero achievements” on the cyber front, the senior officer said. The terror group attempted to challenge the IDF in the early stages of the war, but failed to penetrate the army’s strong cyber defenses, he added. During the fighting, the Air Force bombed more than 10 targets linked to the Hamas cyber force. This included attacks on secret facilities and pinpoint strikes to kill members of the Hamas cyber unit. By now, the IDF trained hundreds of soldiers as experts specializing in cyber intelligence research and focused on detecting and preempting cyber threats.
saab.com 25.05.2021	DEU: Saab to upgrade German Tornados’ radar warners	Saab has received an order from Panavia Aircraft GmbH to upgrade the radar warning equipment on the Tornado aircraft operated by the German Air Force. The order value is approximately 400 million SEK. Saab will supply modern digital components, which will enhance the processing power and extend the lifetime of the Tornado’s radar warning equipment. Deliveries will take place between 2021 and 2025. Saab’s state-of-the-art radar warning equipment provides aircrews with superior situational awareness of the electromagnetic spectrum in challenging environments. Saab received the initial order for radar warning equipment for Germany’s Tornado fighters in 1999.
cobhammissionsystems.com	Cobham to add chaff and flare systems for Quadriga Tranche 4 Eurofighter Typhoon fleet	Cobham has won subcontracts to provide chaff and flare dispenser equipment for the German Air Force’s Quadriga Tranche 4 Eurofighter Typhoon fleet. Chaff and flares are fundamental components of an effective, integrated self-defence suite, helping pilots to fulfil their missions and return safely to base. The Cobham Mission Systems’ Chaff and Flare Defensive Aid Systems include flare dispensers for off-board infrared-seeking missile countermeasures and chaff dispensers that deploy particles to neutralise threats from radar guided missiles.

		Boden- und seegestützte Luftverteidigungssysteme
defence-blog.com 02.06.2021	USN: U.S. Navy destroyer successfully intercepts ballistic targets	The U.S. Naval Forces Europe-Africa has announced on Tuesday that as part of the ongoing At-Sea-Demo/Formidable Shield 2021 exercise, the Navy Arleigh-Burke class guided-missile destroyer USS Paul Ignatius (DDG 117) fired two Standard Missile-3 (SM-3) interceptors to engage ballistic missile targets launched from the Hebrides Range, May 26 and May 30, 2021.
tass.com 01.06.2021	IND: India reaffirms its commitment to S-400 deal, says Lavrov	There are no alterations in Russia's contracts with India on the deliveries of S-400 surface-to-air missile systems, Russian Foreign Minister Sergey Lavrov said on Tuesday. New Delhi announced its intention to purchase Russian-made S-400 air defense systems back in 2015. A \$5.43 bln contract on the delivery of five regiment sets of S-400 'Triumf' anti-aircraft missile systems was signed during Russian President Vladimir Putin's visit to India in October 2018. Russia's S-400 'Triumf' (NATO reporting name: SA-21 Growler) is the latest long-and medium-range surface-to-air missile system that went into service in 2007. It is designed to destroy strategic and tactical aircraft, cruise and ballistic missiles and hypersonic weapons and can also be used against ground installations. The S-400 can engage targets at a distance of up to 400 km and at an altitude of up to 30 km under intensive enemy fire and jamming.
mda.mil 29.05.2021	MDA: MDA Test Does Not Intercept Target	The U.S. Missile Defense Agency, in cooperation with the U.S. Navy, conducted Flight Test Aegis Weapon System 31 Event 1 on May 29, 2021. The objective of the test was to demonstrate the capability of a ballistic missile defense (BMD)-configured Aegis ship to detect, track, engage and intercept a medium range ballistic missile target with a salvo of two Standard Missile-6 Dual II (BMD-initialized) missiles. However, an intercept was not achieved. Program officials have initiated an extensive review to determine the cause of any problems which may have prevented a successful intercept and will thoroughly analyze the results.
defense.gov 28.05.2021	USN/EGY: Rolling Airframe Missile (RAM) Block 2 guided-missile	Raytheon Missiles and Defense is awarded an \$112,690,243 firm-fixed-price modification to previously-awarded contract N00024-20-C-5400 to perform Navy transition to production efforts for RAM Block 2B and exercise options for fiscal 2021 Foreign Military Sales (FMS) to Egypt for the Rolling Airframe Missile (RAM) Block 2 guided-missile round pack (GMRP). This contract includes purchases to the government of Egypt under the FMS program. Work is expected to be completed by December 2024.
taiwannews.com.tw 27.05.2021	TWN: Taiwan Navy to deploy new air defense missile system in August	The Sea Sword II air defense missile system has passed live-fire trials, completed operational evaluations, and is ready to be deployed on Taiwan Navy ships by August. The new system is the naval variant of the Sky Sword II and will be outfitted on the Navy's newest vessel, the Ta Chiang, which is a Tuo Chiang-class frigate. The ship is expected to be handed over to the Navy in July. The Ta Chiang is designed to carry up to eight Hsiung Feng II

		subsonic anti-ship missiles and eight Hsiung Feng III supersonic anti-ship missiles. However, its air defense firepower is insufficient, prompting the Navy to alter the payload for subsequent Tuo Chiang-class vessels to four Hsiung Feng III missiles and 12 Sea Sword II missiles. The Sea Sword II is an active radar-guided, mid-range air defense missile developed by the National Chung Shan Institute of Science and Technology (NCSIST). The new system's multi-target capability allows it to engage with anti-ship missiles and aircraft simultaneously, according to NCSIST.
navy.mil 27.05.2021	FRA: The French FS Forbin destroys a supersonic target with a combat loaded Aster 30 fire during At-Sea Demo/Formidable Shield 2021	The sea off the Scottish coast is rough on May 21, 2021. As part of the international force deployed for At-Sea Demo/Formidable Shield, the French anti-air warfare destroyer (AAWD) Forbin is assigned a simulated mission to protect the priority maritime facilities of an Allied country. The Forbin's crew has just detected and intercepted a supersonic target, flying at more than 3,000 kilometres per hour, a few metres above the surface. For a French AAW, this is the first firing of an Aster 30 combat missile, with its military payload.
mbda-systems.com 26.05.2021	GBR: Sea Ceptor to protect RN's new Type 31 frigates	Sea Ceptor is the world's most modern naval air defence system of its class. Utilising the Common Anti-Air Modular Missile (CAMM), it offers both world-leading close-in air defence and local-area air defence. The system will allow the Type 31 to protect simultaneously both itself and vessels near it from attack from current and future threats, including high-speed manoeuvring missiles, attack aircraft and fast inshore attack craft. Sea Ceptor is currently in service on the Royal Navy's Type 23 frigates and will also protect the new Type 26 frigates. The UK Ministry of Defence maintains a common stockpile of CAMM missiles for both the Royal Navy and British Army. The CAMM missile family has been selected by a growing list of other nations for both naval and land based air defence.
timesofisrael.com 25.05.2021	ISR: Israeli drone was intercepted by Iron Dome during Gaza fighting	The Israel Defense Forces on Tuesday confirmed accidentally downing one of its own drones in the recent fighting against Hamas in the Gaza Strip. The military said the small reconnaissance drone, known as a Skylark, was hit with an interceptor from the Iron Dome missile defense system. The incident is being investigated, the IDF added, without giving further details. According to the Haaretz daily, which first reported the drone's downing, the incident was causing concern in the Israeli Air Force, noting its need for the country's air defense to be able to identify enemy aircraft and down them. The report, which did not cite a source, said the Iron Dome's ability to differentiate between hostile and non-hostile aircraft was the main reason an international aviation authority gave Israel the green light to keep its airspace open to commercial flights during the fighting.

tass.com 25.05.2021	RUS: Putin: Russia successfully completing trials of latest S-500 air defense system	"Over 70% of surface-to-air missile regiments in the Aerospace Force have been rearmed with advanced S-400 systems. The S-500 system whose trials are successfully nearing completion is next to be delivered to the troops," Putin said.
tasnimnews.com 21.05.2021	IRN: "Quds" radar system, and a ground to air missile system dubbed "9 of Dey"	The Islamic Revolution Guards Corps (IRGC) on Friday unveiled two new strategic achievements in the air defense fields. At the ceremony today, the "Quds" radar system, and a ground to air missile system dubbed "9 of Dey", which is capable of engaging and destroying various threats such as cruise missiles, drones and bombs, were unveiled.
scmp.com 21.05.2021	CHN: China puts upgraded HQ-9 missile system to extreme test	The Chinese air force has put an upgraded version of one of its most advanced air-defence missile systems to an extreme test in unfamiliar terrain, according to state media. During the exercise, a ground-to-air missile brigade of the People's Liberation Army Air Force was deployed 500km (310 miles) to unfamiliar territory for a simulated confrontation between red and blue armies. Using the missile system, the brigade knocked down four target drones with four shots, CCTV reported. Special forces played the role of the rival blue army with electromagnetic interference devices to confuse operations for the new missile type, the CCTV report said. The HQ-9B ground-to-air missile defence system was ready to shoot targeting drones during the drills. The report did not reveal what type of missile was used or when and where the exercises took place, but Du said the drill aimed to test a new air-defence missile system under dark, cold, sandy and other extreme conditions, indicating the system being tested was likely to have been the upgraded HQ-9B system. The HQ-9B is a new vertical launch, medium and long-range ground-to-air missile defence system developed for the PLA to intercept airborne targets at ranges of up to 250km. The missile system was deployed to the artificial islands in the disputed South China Sea in 2016. The PLA Navy has deployed the shipborne HHQ-9B to the new Type 052D guided-missile destroyers.
		Boden- und seegestützte Einsatzkräfte, Strategische Kampfmittel und Space Forces
navy.mil 27.05.2021	USN:	Navy Strategic Systems Programs (SSP) successfully conducted a test of the First Stage Solid Rocket Motor (SRM) on May 27th in Promontory, Utah as part of the development of the Navy's Conventional Prompt Strike (CPS) offensive hypersonic strike capability and the Army's Long Range Hypersonic Weapon (LRHW). This was the initial

	Navy Tests New Hypersonic Rocket Motor	<p>live fire test of the first stage SRM and is a vital step in the development of a Navy-designed common hypersonic missile that will be fielded by both the Navy and Army. The first stage SRM will be part of a new missile booster for the services, and will be combined with a Common Hypersonic Glide Body (CHGB) to create the common hypersonic missile. Each service will use the common hypersonic missile, while developing individual weapon systems and launchers tailored for launch from sea or land. This successful SRM test represents a critical milestone leading up to the next Navy and Army joint flight test, which will take place in the first quarter of Fiscal Year 2022, and ultimately the fielding of the CPS and LRHW weapon systems. Hypersonic weapons, capable of flying at speeds greater than five times the speed of sound (Mach 5), are highly maneuverable and operate at varying altitudes. In a matter of minutes, Navy and Army warfighters can defeat high-value targets hundreds or even thousands of miles away. Delivering hypersonic weapons is one of the DoD's highest priorities.</p> <p><i>(Ergänzende Information lockheedmartin.com vom 27.05.2021: The Lockheed Martin (NYSE: LMT) and Northrop Grumman (NYSE: NOC) team successfully conducted a significant live fire hypersonic strike system test in support of the U.S. Navy's Conventional Prompt Strike (CPS) and U.S. Army's Long Range Hypersonic Weapon (LRHW) programs. In this live fire ground test of the first stage solid rocket motor, the motor fired for the full trial duration and met performance parameters and objectives within anticipated ranges.)</i></p>
		Geo- und Sicherheitspolitik, militärische Übungen
airforcemag.com 02.06.2021	SWE/FIN/NATO: Spangdahlem F-16s Deploy to Sweden for Arctic Exercise	More than 300 Airmen, along with U.S. Air Force F-16s from Spangdahlem Air Base, Germany, deployed to Sweden for a large exercise alongside six other nations. Arctic Challenge Exercise 2021 kicked off June 2 at Kallax Air Base, Sweden, and is scheduled to run for more than two weeks. The Airmen from the 52nd Fighter Wing join personnel and aircraft from Sweden, Finland, Denmark, Germany, the Netherlands, and the United Kingdom for the exercise. The exercise began in 2013 and has rotated between Sweden, Norway, and Finland.
janes.com 01.06.2021	CHN: PLANAF J-15 fighters seen operating from Lingshui Airbase in South China Sea	Chinese state-owned media has released video footage showing People's Liberation Army Navy Air Force (PLANAF) J-15 naval fighter aircraft being operated from an airbase that Janes identified as Lingshui Airbase on Hainan Island in the South China Sea (SCS). This marks the first time the multirole, carrier-borne J-15, which is manufactured by the Shenyang Aircraft Corporation (SAC), has been seen operating from this base, which has been home to the PLAN's 3rd Air Division since 2018–19. The latest developments come after commercial satellite imagery captured on 27 January showed that China had placed a mock carrier landing strip at the base.

		The landing strip, placed on the southeastern end of the runway, provides a place for pilots to practise carrier approaches and landings while operating from shore.
sputniknews.com 31.05.2021	RUS/NATO: Russia to Create About 20 New Units in Its Western Military District to 'Adequately' Counter NATO	Responding to the actions of NATO countries, led by the United States, in the western strategic direction, the Russian Defence Ministry will create around 20 new formations and military units in the Western Military District by the end of the year, Defence Minister Sergei Shoigu said on Monday. NATO military threat near Russian borders is growing as the alliance is increasing the intensity of strategic aviation flights, the presence of warships with cruise missiles, and the number of exercises, Shoigu went on to say. "The situation in the western strategic direction [of Russia] is characterised by an increase in military threats. Over the past seven years, the intensity of flights of the US Air Force strategic bomber aviation in Europe has increased 14 times," the minister said. NATO warships with cruise missiles often enter the Baltic sea. At the same time, NATO and the US continue to expand the scope of operational and combat training near the borders of Russia, he added.
alarabiya.net 31.05.2021	IAEA/IRN: Iran enriched uranium stockpile 16 times over deal limit: IAEA	<p>A report by the International Atomic Energy Agency (IAEA) said director general Rafael Grossi was "concerned that the technical discussions between the agency and Iran have not yielded the expected results," referring to exchanges on the sites with Iranian officials. In a separate report, the agency said Iran's stockpile of enriched uranium is around 16 times the limit laid down in the 2015 deal with world powers. It gave an estimate of a stockpile of 3,241 kg (7,145 pounds) but cautioned that it was not able to verify the total. The limit laid down in the deal was 300 kilograms of uranium in a particular compound form, the equivalent of 202.8 kilograms of uranium. The latest report will be presented to the IAEA's board of governors next week and comes as talks are ongoing in Vienna on the possible full revival of the 2015 deal and the return of the US to the accord.</p> <p><i>(Ergänzende Information debka.com vom 01.06.2021: The nuclear watchdog reported a substantial drop in production at Natanz, Iran's main nuclear enrichment site on Monday, June 1. The report circulated to IAEA board members disclosed that only 20 cascades of centrifuges were functioning at the uranium enrichment plant at Natanz, down sharply from 35-37 before the mysterious explosion on April 12 took out the plant's power supply and destroyed hundreds of centrifuges. It was said to have been caused by the remote detonation of an explosive device planted at the Natanz center some years ago.)</i></p>
defense.gov 28.05.2021	USA: The Department of Defense Releases the President's Fiscal Year 2022 Defense Budget	The Biden-Harris Administration today submitted to Congress the President's Fiscal Year (FY) 2022 Budget request of \$752.9 billion for national defense, \$715 billion of which is for the Department of Defense (DOD). The FY 2022 Defense Budget submission reflects President Biden's priorities to end the "forever wars," invest in cutting-edge capabilities for our military and national security advantage in the future, and revitalize America's unmatched network of alliances and partnerships. The United States military faces substantial challenges,

		<p>emanating from countries like China and Russia, and from threats to global security, such as from climate change and the COVID-19 pandemic.</p> <p>“Other significant RDT&E funding areas include further growth for the B-21 Raider, B-52 and F-35 programs. The budget incorporates funding that minimizes climate risk, upgrades to aircraft fuel and assesses alternative fuel options.</p> <p>In order to focus resources to these and other modernization efforts, the budget also includes proposals to right size aging, costly, and less-than-capable legacy systems by retiring 48 F-15C/D, 47 F-16 C/D, 42 A-10, 20 RQ-4 Block 30, 18 KC-135, 14 KC-10, 13 C-130H, and four E-8 aircraft.</p> <p>The Space Force's RDT&E budget increases to a total request of \$11.3 billion, which is a \$725 million increase compared to FY21. In addition to growth in classified programs, the proposal funds the Next-Gen Overhead Persistent Infrared missile warning system with an additional \$132 million. This system creates a resilient network when combined with the geosynchronous satellites and associated ground systems to increase missile warning and defense, battlespace awareness, and technical intelligence.</p> <p>The FY 2022 Procurement budget is \$25.6 billion, with the Air Force's portion representing \$22.9 billion.</p> <p>The Air Force seeks to procure advanced weapon systems like the hypersonic Air-Launched Rapid Response Weapon, and increasing the budget for the Joint Air-to-Surface Standoff missile to provide quantities of advanced weaponry needed to deter future conflicts. The Air Force also requests the purchase of F-35, KC-46 Pegasus, F-15EX Eagle II and MC-130J aircraft to ensure near-term readiness while advancing fifth-generation aircraft to outpace competitors.</p> <p>The Space Force's procurement budget will grow by \$456 million to procure National Security Space Launch Vehicles which provide assured access to space for the nation's warfighting and intelligence satellites. It also procures GPS III Follow-on Space Vehicles that provide new capabilities, including a spot beam that offers an anti-jam improvement 100 times greater than current encrypted military code.”</p> <p><i>(Vollständige Medienmitteilung abrufbar unter:</i> https://www.defense.gov/Newsroom/Releases/Release/Article/2638711/the-department-of-defense-releases-the-presidents-fiscal-year-2022-defense-budq/<i>)</i></p>
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reuters.com 27.05.2021	USA/RUS: U.S. tells Russia it will not rejoin Open Skies arms control pact	The United States told Russia on Thursday it will not rejoin the Open Skies arms control pact, which allows unarmed surveillance flights over member countries, a U.S. official said. The official, who spoke on condition of anonymity, was confirming a report by the Associated Press. The treaty, which was signed in 1992 and entered into force in 2002, permits nations to carry out short-notice, unarmed surveillance flights over the entire territory of the other parties. The purpose of the treaty, which allows nations to collect information on one another's military forces, is to increase transparency and build confidence among countries.
andersen.af.mil 26.05.2021	SGP: Republic of Singapore Air Force deploys to Guam	The Republic of Singapore Air Force deployed airmen, F-16 fighters, F-15SG fighters and a G550 Airborne Early Warning aircraft to Andersen Air Force Base, Guam, May 24, 2021. This deployment provides bilateral training for aircrew and maintenance personnel to enhance interoperability and cultivate regional partnerships.
timesofisrael.com 26.05.2021	IRN: IAEA chief: Iran's uranium enrichment now at levels of 'countries making bombs'	"A country enriching at 60 percent is a very serious thing — only countries making bombs are reaching this level," International Atomic Energy Agency chief Rafael Grossi said in an interview with the Financial Times published on Wednesday. "The Iranian program has grown, become more sophisticated so the linear return to 2015 is no longer possible," Grossi said. "What you are able to do is keep their activities below the parameters of 2015." On Tuesday 25.05.2021 World powers opened a fifth round of talks with Iran aimed at bringing the US back into the nuclear deal, with both sides expressing hope that it might be the final series of negotiations.
aljazeera.com 25.05.2021	ARE: Yemen: Mysterious airbase gets built on Mayun island	A mysterious airbase is being built on a volcanic island off Yemen that sits in one of the world's crucial maritime chokepoints for energy shipments and commercial cargo. While no country has claimed the Mayun Island airbase in the Bab el-Mandeb Strait, shipping traffic associated with a prior attempt to build a huge runway across the 5.6-km (3.5 mile)-long island years ago links back to the United Arab Emirates (UAE). <i>(Vollständiger Bericht einschliesslich Satellitenaufnahmen abrufbar unter: https://www.aljazeera.com/news/2021/5/25/yemen-mysterious-airbase-gets-built-on-mayun-island)</i> <i>(Ergänzende Information militarytimes.com vom 28.05.2021: A Saudi-led coalition fighting in Yemen on Thursday acknowledged having equipment on an island in the Bab el-Mandeb Strait where a mysterious air base is now under construction. However, the coalition's statement on the state-run Saudi Press Agency did not name who was building the facility across the volcanic island of Mayun, the subject of recent reporting by The Associated Press. The statement said the</i>

		<p><i>equipment, which it did not identify, helps the coalition back Yemen's internationally recognized government against the Iranian-backed Houthi rebels who now hold the country's capital, Sanaa.)</i></p> <p><i>(Ergänzende Information debka.com vom 28.05.2021: The mysterious air base being built on Mayun island in the Red Sea's Bab al Mandeb Strait is revealed by DEBKAF as a United Arab Emirates military project. An attack helicopter base on the island, commonly called Perim, will give the Emirati president Sheikh Mohammed Bin Ziyad the means of controlling oil tanker and commercial shipping through the Red Sea's southern chokepoint and up to the Suez Canal. It will also give the Emirates a jumping off pad for rapid deployment forces to reach Yemen, although they withdrew from the civil conflict there during 2019-2020.)</i></p>
asia.nikkei.com 25.05.2021	JPN: Japan needs drastic boost in defense spending: ruling party	<p>Policymakers in Japan's ruling Liberal Democratic Party will push for a steep increase in the country's defense spending and capabilities as Tokyo eyes China's military buildup and tensions in the Taiwan Strait. Two LDP groups, the National Defense Division and the Research Commission on National Security, agreed at a meeting Monday to seek greater spending on necessary defense equipment beyond outlays already planned through fiscal 2023. They also recommended sharply increasing research and development spending on next-generation fighter jets and other arms, as well as bolstering Japan's defense industry.</p>
globaltimes.cn 24.05.2021	CHN: PLA warplanes rain down thousands of munitions in S. China Sea shooting exercise	<p>The Chinese People's Liberation Army (PLA) Navy announced on Monday that it recently conducted a live-fire exercise in the South China Sea, in which warplanes rained down thousands of munitions at maritime targets as the pilots enhanced their sea assault and precision strike capabilities. A brigade attached to the PLA Southern Theater Command Naval Aviation Force organized JH-7 fighter bombers for a live-fire shooting exercise at a maritime target range in the South China Sea, with the focus being precision attacks and saturation attacks, state broadcaster China Central Television (CCTV) reported on Monday. Several dozen warplanes participated in the drill, as they penetrated defense lines by skimming the sea at low altitudes, firing rockets and cannon rounds, and dropping aerial bombs on maritime targets, the CCTV report said, noting that several thousand pieces of munitions were unloaded. When asked if the PLA exercise was related to the US warship's provocation, on Thursday, the guided missile destroyer USS Curtis Wilbur illegally trespassed into China's territorial waters of Xisha in the South China Sea without authorization from the Chinese government, Song Zhongping, a Chinese military expert and TV commentator said that this was not likely the case, because a single US ship has limited capability and is not worthy of a targeted exercise.</p>
theguardian.com 23.05.2021 19:29 BST	IRN: Blast at Iranian complex housing drone factory injures nine	<p>A complex that houses a factory that makes Iranian drones has suffered a major explosion days after Israel had claimed that Iran was providing drones to Hamas in Gaza. The blast at the weekend injured at least nine workers at the petrochemical factory in Isfahan. The Iran Aircraft Manufacturing Industrial Company (Hesa), which produces a variety of aircraft and drones for Iranian forces, is located in the complex owned by Sepahan</p>

		<p>Nargostar Chemical Industries. There was no independent confirmation of the cause of the explosion or the precise factory hit.</p> <p><i>(Ergänzende Information israelradar.com vom 23.05.2021: The incident comes days after Prime Minister Netanyahu revealed that an armed Iranian drone flew into Israel from the east during the Gaza conflict. The timing of the explosion at the drone plant raises the possibility that it was a pinpoint Israeli revenge attack. However, the blast may be followed by further operations in Iran as part of a strategic change. The Israeli defense establishment was already planning to boost its covert war inside Iran, and the recent war could now speed up the process given Iranian support for Gaza's terror groups.)</i></p>
<p>timesofisrael.com 23.05.2021 06:02 AM</p>	<p>ISR/GAZA: Minister: From now on, we'll preemptively strike Hamas rocket activity</p>	<p>A senior Likud minister on Saturday said Israel would preemptively strike the Hamas terror group in Gaza when it becomes apparent it's restocking its rocket arsenal and gearing up to fire at Israel, as he laid out what he described as the Jewish state's new security doctrine vis-a-vis the coastal enclave following Operation Guardian of the Walls. "We cannot wait for rocket fire [to respond in Gaza]," said Tzachi Hanegbi in an interview with Channel 13. From now on, he said, the terror groups' rearmament and preparations to fire rockets, rather than the actual firing, "is cause for Israeli strike" on military targets in Gaza. "This is a total change of the equation. We've never done this," he said.</p>
<p>gov.uk 22.05.2021</p>	<p>GBR: HMS Queen Elizabeth Carrier Strike Group sets sail on seven-month maiden deployment</p>	<p>Nine ships, 32 aircraft, and 3,700 personnel will set sail today on the UK Carrier Strike Group's maiden operational deployment. The seven-month global deployment will extend through the Mediterranean and Indian Ocean and on to the Indo-Pacific, interacting with more than one fifth of the world's nations. HMS Queen Elizabeth is the largest and most powerful surface vessel in the Royal Navy's history. Joining her are a surface fleet of Type 45 destroyers, HMS Defender and HMS Diamond, Type 23 anti-submarine frigates HMS Kent and HMS Richmond, and the Royal Fleet Auxiliary's RFA Fort Victoria and RFA Tidespring. US Navy destroyer USS The Sullivans and the Royal Netherlands Navy's frigate HNLMS Evertsen will be fully integrated for the duration of the deployment.</p> <p>On the HMS Queen Elizabeth carrier's flight deck are eighteen state-of-the-art F-35B fast jets, operated by joint RAF and Royal Navy 617 squadron, and the US Marine Corps – the greatest quantity of fifth generation Lightning jets ever put to sea. Operating alongside the jets are four Wildcat maritime attack helicopters, seven Merlin Mk2 anti-submarine helicopters and three Merlin Mk4 commando helicopters – the largest number of helicopters assigned to a single UK Task Group in a decade.</p>
<p>en.yna.co.kr 22.05.2021</p>	<p>KOR/USA:</p>	<p>South Korean President Moon Jae-in announced a joint decision Friday with the United States to terminate guidelines that have long restricted Seoul's development of missiles. The accord was introduced 1979 under the</p>

	S. Korea, U.S. agree to end bilateral missile guidelines	Park Chung-hee government's bid to secure related technology transfer from the ally. In return, Seoul agreed to cap its ballistic missiles to a range of 180 kilometers and a payload to 500 kilograms.
globaltimes.cn 21.05.2021	CHN/TWN/USA: PLA fighter bombers cross Taiwan Straits 'middle line,' deter secessionists following US warship transit	In a move that Chinese mainland analysts said on Friday created a strong deterrent to Taiwan secessionists who were wrongly encouraged by a US warship transit in the Taiwan Straits 18.05.2021, two Chinese People's Liberation Army (PLA) fighter bombers that excel at anti-ship and land attack reportedly flew across the so-called middle line in the Straits on Thursday 20.05.2021. While the PLA has been conducting routine exercises in the region for months, it is uncommon to see two JH-7 fighter bombers flying across the so-called middle line, tipping it on its southern edge, media on the island of Taiwan reported on Thursday 20.05.2021, also citing the island's defense authorities. The "middle line" is a non-existent line that some on the island wishfully think divides the Taiwan Straits into the mainland side and Taiwan island side. The Chinese mainland does not recognize this line, as both sides are China, analysts said.
nato.int 18.05.2021	NATO: Exercise Steadfast Defender 2021	<p>“EXERCISE STEADFAST DEFENDER 2021 WILL TEST NATO'S READINESS AND MILITARY MOBILITY – WITH FORCES DEPLOYING ACROSS LAND AND SEA, ALL THE WAY FROM NORTH AMERICA TO THE BLACK SEA REGION AND OFF THE COAST OF PORTUGAL. WITH OVER 9,000 TROOPS FROM MORE THAN 20 ALLIES AND PARTNERS, THE EXERCISE DEMONSTRATES THAT NATO HAS THE CAPABILITIES AND THE RESOLVE TO PROTECT ALL ALLIES AGAINST ANY THREAT.” <i>NATO Secretary General Jens Stoltenberg</i></p> <p><i>(Aufschlussreiche, interactive Infographic abrufbar unter: https://www.nato.int/cps/en/natohq/173840.htm)</i></p>
		Analysen, Studien, Reports, Fact Sheets, Infographics, Podcast und Videos
flightglobal.com	World Air Forces 2021	(Vollständige Übersicht abrufbar unter: https://www.flightglobal.com/download?ac=75345)

<p>bmvg.de 31.05.2021</p>	<p>DEU: Einsatzbereitschaft der Hauptwaffensysteme der Bundeswehr steigt erneut</p>	<p>Das Verteidigungsministerium hat am 31. Mai die aktuellen Berichte zum Rüstungswesen und zur materiellen Einsatzbereitschaft der Bundeswehr vorgelegt. Die Verfügbarkeit der wichtigsten Großgeräte der Truppe konnte auf 76 Prozent gesteigert werden.</p> <p><i>(Bericht zur materiellen Einsatzbereitschaft der Hauptwaffensysteme der Bundeswehr für den Berichtszeitraum November 2019 bis April 2020 abrufbar unter:</i> https://www.bmvg.de/resource/blob/5087620/334537aade84aac453057b3260ed28ff/20210531-download-bericht-materielle-einsatzbereitschaft-data.pdf)</p>
<p>defense.gov 28.05.2021</p>	<p>USA: The Department of Defense Releases the President's Fiscal Year 2022 Defense Budget</p>	<p><i>The entire budget proposal and additional materials are available at: https://www.defense.gov/cj</i></p>
<p>jpost.com 27.05.2021</p>	<p>ISR: Israel's operation against Hamas was the world's first AI war</p>	<p>Having relied heavily on machine learning, the Israeli military is calling Operation Guardian of the Walls the first artificial-intelligence war.</p> <p><i>(Vollständiger Beitrag abrufbar unter:</i> https://www.jpost.com/arab-israeli-conflict/gaza-news/guardian-of-the-walls-the-first-ai-war-669371)</p>
<p>besacenter.org 27.05.2021</p>	<p>ISR/GAZA/QAT: The Strategic Genius Behind Allowing Qatari Suitcases of Cash into Gaza</p>	<p>Qatar and Hamas were duped when, on the fourth day of the Guardian of the Walls offensive, Israel destroyed the Qataris' billion-dollar investment in the terrorist organization in 40 minutes.</p> <p>On the fourth night of the offensive, the Israeli Air Force made aviation history by amassing, over the small space of Gaza, 160 fighter jets and other air vehicles to pound and destroy—over a mere 40 minutes—the “ Hamas Metro ”: a vast array of interlocking tunnels Hamas had dug to protect its command posts, ease the movement of its terrorists, and enable the transport of its missiles and other ordnance.</p> <p>What Netanyahu and the IDF did unto Hezbollah on a much smaller scale two years ago they repeated successfully on a far larger scale against Hamas. Israel, having discovered and then meticulously monitored Hezbollah tunneling activities across the northern border, waited for the expensive tunnels to be dug and then destroyed them just as they were about to be completed. It was Hamas's turn to be similarly duped.</p>

		<p>(Vollständige Analyse abrufbar unter: https://besacenter.org/the-strategic-genius-behind-allowing-qatari-suitcases-of-cash-into-gaza/)</p>
safran-group.com 26.05.2021	Safran's contribution to the Dassault Aviation Rafale	<p>(Interaktive Infographic abrufbar unter: https://www.safran-group.com/safrans-contribution-rafale-dassaultaviation?utm_source=NewsletterCom&utm_medium=Newsletter&utm_campaign=NewsletterCom45EN&utm_content=NewsletterCom45EN)</p>
welt.de 25.05.2021	RUS: Russland will Kriege führen, die es gar nicht bezahlen kann	<p>Der Kreml sieht seine militärische Zukunft in Hybridkriegen. Sie liegen unterhalb der Schwelle, die die Nato zum Eingreifen zwingt, ermöglichen aber Weltmachtstatus. In der Ost-Ukraine und in Syrien funktioniert das schon, ist aber auch sehr teuer. Liegt da die Hoffnung für den Westen?</p> <p>«Putins Dilemma besteht darin, dass die russische Wirtschaft in allen Bereichen außer Rohstoffen und Waffen nicht satisfaktionsfähig ist und es auch nicht werden wird. Aber Hybridkriegführung kostet viel Geld, das die Außenwirtschaft nicht erbringt und die Binnenwirtschaft nicht leisten kann. Das schafft für den Kreml eine historische Entscheidungslage: entweder Flucht nach vorn oder Gefährdung des sozialen Friedens im Inneren.»</p> <p>(Interessanter Meinungsbeitrag von Michael Stürmer abrufbar unter: https://www.welt.de/debatte/kommentare/article231341961/Moskauer-Machttraeume-Russland-will-Kriege-fuehren-die-es-gar-nicht-bezahlen-kann.html)</p>
usni.org 24.05.2021	USN: USNI News Fleet and Marine Tracker: May 24, 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 May 24, 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>(Infographic abrufbar unter: https://news.usni.org/2021/05/24/usni-news-fleet-and-marine-tracker-may-24-2021)</p>
iaf.org.il 18.05.2021	ISR: An IAF Strike: Step by Step Release date 18.05.2021 Aya Ingel	<p>When thinking about an Israeli Air Force strike, the first image that comes to mind is one of a speeding jet soaring through the sky, fully loaded with highly advanced munitions, led by determined aircrew members. What we don't always immediately think about, however, is the incredible attention to detail when planning and carrying out each mission. How do aircrew members know exactly where and when to strike? Our reporter visited the command room at the IAF headquarters to find out more about the process.</p> <p>(Vollständiger Report abrufbar unter:</p>

		https://www.iaf.org.il/9331-53079-en/IAF.aspx
cbo.gov Mai 2021	USA: The U.S. Military's Force Structure: A Primer, 2021 Update	Chapter 4 discusses the Department of the Air Force, with descriptions of major types of aircraft squadrons and the new Space Force. <i>(Vollständiger Report abrufbar unter: https://www.cbo.gov/system/files/2021-05/57088-Force-Structure-Primer.pdf)</i>
www.iaf.org.il/9331-52938-en/IAF.aspx	ISR: Operational Update	Special Report: Operational updates on the IAF's activity in Operation "Guardian of the Walls" until 21.05.2021. https://www.iaf.org.il/9331-52938-en/IAF.aspx

Zielsetzung NACHBRENNER	<p>Der NACHBRENNER hat zum Ziel eine am Thema Militärluftfahrt und Luftkriegsführung interessierte Leserschaft zeitnah über</p> <ul style="list-style-type: none"> ° Die Fähigkeiten und die Schlüsselfunktion von Air Power, ° die zentrale Bedeutung einer integrierten Luftverteidigung, ° die Weiterentwicklung von Luftstreitkräften mit einem besonderen Fokus Europa, ° Entwicklungen und Entwicklungstendenzen in der 3. Dimension sowie ° die möglichen verheerenden Folgen eines ungeschützten schweizerischen Luftraums für unsere Bevölkerung und Souveränität im Frieden, bei Terrorangriffen aus der Luft sowie im Konfliktfall <p>zu orientieren.</p>
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	Dafür werden offene staatliche und Firmen-Quellen sowie die Tages- und Fachpresse ausgewertet und in primär englischer Sprache thematisch und chronologisch zusammengeführt.
<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
Beilagen im Anhang zum Versandmail NACHBRENNER 2021-11	
Verbunden in einem Informationsnetzwerk mit	<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
Neuabonnement NACHBRENNER	<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>