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Wissenswertes aus dem Bereich Militärluftfahrt und Luftkriegsführung

Quelle: Datum:	Ländercode: Artikelname:	Schlüsselinformationen:
		<p>In Search of Excellence: Aus Kreisen der Leserschaft wird mir mitgeteilt, dass das Manuskript der Rede des britischen Verteidigungsministers anlässlich der Global Air Chiefs Conference 2021 vom 14.07.201 nicht vollständig wiedergegeben wurde. Für alle Interessierten übermittle ich im folgen den die korrekte URL-Adresse wie folgt: https://www.raf.mod.uk/documents/word/global-air-chiefs-conference-minister-for-armed-forces-speech-20211/ Ich bitte die NACHBRENNER-Community für diesen Fehler um Entschuldigung und bedanke mich beim Leser AE recht herzlich für seinen geschätzten Feedback.</p>
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		Sicherheitspolitik Schweiz und Air2030
vbs.admin.ch 12.08.2021	Kdt Luftwaffe Divisionär Peter Merz «Meilensteine in der Geschichte der Schweizer Luftwaffe»	<p>Die Typenentscheide des Bundesrates zur Beschaffung eines neuen Kampfflugzeuges und eines Systems der bodengestützten Luftverteidigung grösserer Reichweite sind Meilensteine in der Geschichte der Schweizer Luftwaffe. Weshalb, erklärt deren Kommandant, Divisionär Peter Merz, in einem Gastbeitrag des Luftfahrtmagazins Cockpit.</p> <p><i>(Vollständiger Gastbeitrag abrufbar unter:</i> https://www.vbs.admin.ch/de/home.detail.news.html/vbs-internet/wissenswertes/2021/210812.html<i>)</i></p>
bulletin-1.ch Dr. Peter Forster 11.08.2021	BISS – Die Linke bastelt am Initiativtext	<p>Wir bleiben Sun Tzu treu: “Kenne deinen Gegner!” Aus zuverlässigen Quellen verlautet zur Anti-F-35-Initiative, die GSoA, die Grünen und die Sozialdemokraten bastelten am Text des Vorstosses. Am denkwürdigen 30. Juni 2021, am Tag der Typenwahl, schrieb Markus Häfliger im Tages-Anzeiger, die Initianten hätten sich mit der Bundeskanzlei auf drei Sätze geeinigt:</p> <p><i>“Der Bund beschafft keine Kampfflugzeuge des Typs F-35 Lightning II. Das Armeebudget wird entsprechend angepasst. Diese Bestimmung tritt am 1.1.2040 ausser Kraft.”</i></p> <p>Wie nun vertraulich berichtet wird, erwägt das gemässigte Lager unter den Initiativkräften, den vorliegenden Text um den Satz zu erweitern:</p>

		<p>“Der Bund beschafft maximal 24 europäische Kampfflugzeuge.”</p> <p>Was ist von den Mutmassungen zu halten?</p> <p>(Vollständige Analyse abrufbar unter: https://bulletin-1.ch/biss-die-linke-bastelt-am-initiativtext/)</p>
ar.admin.ch 11.08.2021	«Kampfflugzeuge sind auch in Zukunft unverzichtbar»	<p>Wie die aktuelle Bedrohungslage aussieht und in welchem Zusammenhang der sicherheitspolitische Bericht mit Air2030 steht, lesen Sie im Artikel.</p> <p>Die Sicherheitslage ist weltweit und auch in Europa instabiler, unübersichtlicher und unberechenbarer geworden. Die internationalen Entwicklungen sind geprägt von grossem Tempo und Ungewissheit. Das wirkt sich auch auf die sicherheitspolitische Lage der Schweiz aus. Damit befasst sich der Sicherheitspolitische Bericht, der sich aktuell in der Vernehmlassung befindet. Pälvi Pulli, Chefin Sicherheitspolitik VBS, erklärt, was dies mit der Beschaffung des neuen Kampfflugzeugs zu tun hat.</p> <p>(Vollständige Analyse abrufbar unter: https://www.ar.admin.ch/de/dokumente-und-publikationen/armasuisse-insights/air2030-bodluv/sicherheitspolitik.html)</p>
admin.ch 10.08.2021	Air2030: Projekt «neues Kampfflugzeug» steht im Final eines internationalen Projektmanagement-Wettbewerbs	<p>armasuisse hat sich mit dem Projekt «neues Kampfflugzeug» (NKF) in der Kategorie Gross-Projekte für den Final des IPMA World Congress qualifiziert. Am 22. September 2021 wird unter den drei Finalisten der Gewinner des Wettbewerbs bekannt gegeben. Der weltweit anerkannte Projektmanagementverband IPMA (International Project Management Association) organisiert den internationalen Wettbewerb seit 2002 jährlich für Projekte und Programme, bei dem Teams ausgezeichnet werden, die besondere Leistungen im Projekt- und Programmmanagement vorweisen können.</p> <p>(Vollständige Medienmitteilung abrufbar unter: https://www.admin.ch/gov/de/start/dokumentation/medienmitteilungen.msg-id-84642.html)</p>
20min.ch 09.08.2021	Die Schweiz verzichtet durch den F-35-Entscheid auf Milliarden	<p>36 Flugzeuge des US-Herstellers Lockheed Martin will die Schweiz bestellen. Dies kündigte das VBS unter der Leitung von Bundesrätin Viola Amherd Ende Juni an. Die vier anderen Unternehmen, die dem VBS Offerten unterbreitet hatten, gingen leer aus. Nun zeigen Recherchen der Tamedia-Zeitungen: Hätte der Bundesrat</p>

		<p>sich für Dassault, Airbus oder Boeing entschieden, wären wohl Milliarden zusätzlicher Investitionen in die Schweiz geflossen.</p> <p><i>(Vollständiger Beitrag abrufbar unter: https://www.20min.ch/story/die-schweiz-verzichtet-durch-den-f-35-entscheid-auf-milliarden-379727762975)</i></p> <p><i>(Anmerkung Redaktion: Die Bedingungen für die Offsetgeschäfte sind für alle Lieferanten gleich. Es wurde ein Offset-Anteil von 60 Prozent des Auftragsvolumens beschlossen und Lockheed Martin wird ordnungsgemäss liefern. Die Werthaltigkeit von Recherchen der Tamedia-Zeitungen sind hinlänglich bekannt. Mehrere mussten in der Vergangenheit vom VBS richtiggestellt werden. Siehe dazu die Rubrik «Richtig- und Klarstellungen» auf der Homepage des VBS, abrufbar unter «https://www.vbs.admin.ch/de/aktuell/richtigstellungen.html»)</i></p>
nzz.ch 07.08.2021	Pleiten, abgestürzte Prototypen und Papierflugzeuge – bereits vor dem F-35 sorgten Flugzeugbeschaffungen für Skandale und Kuriositäten	<p>Es ist ein offenes Geheimnis: Der Entscheid für den amerikanischen Kampffjet F-35 Lightning hat im Bundesrat nicht einhellige Begeisterung ausgelöst. Wie die Diskussion Ende Juni 2021 tatsächlich verlief, wird man wohl erst wissen, wenn alle Akten öffentlich zugänglich sind.</p> <p><i>(Vollständiger, registrierpflichtiger Artikel abrufbar unter: https://www.nzz.ch/schweiz/kampffjet-vor-f-35-sorgte-mirage-beschaffung-fuer-skandal-ld.1633780)</i></p>
bulletin-1.ch Dr. Peter Forster 07.08.2021	BISS – Kata-Hilfe ohne Armee?	<p>Erneut hilft die Schweizer Luftwaffe mit drei Super-Puma-Heli in Griechenland – und zwar sofort. Mitten in den Sommerferien, über ein Wochenende, ohne Vorwarnung ist nur eine motivierte Top-Organisation von erfahrenen Könnern in so kurzer Zeit zu einem so dringenden Einsatz fähig und bereit. Den Kern der Griechenlandhilfe stellen die Heli-Piloten, die Super Puma und das Bodenpersonal der Luftwaffe. Ohne sie wäre alles nichts. Stets war und ist es die Armee</p> <p>Nun lässt ausgerechnet das VBS mit vier Optionen zur einer sogenannten untauglichen “Bürgerpflicht” kein Stein auf dem andern. In der einzigen überhaupt zu diskutierenden Option, der Beibehaltung der Wehrpflicht mit Priorität für die Armee, schlägt das Departement vor, die Zivis und der Zivildienst seien zu einem grossen Kata-Hilfe-Verbund zu fusionieren. Dies käme den Kantonen entgegen, denen im Zivilschutz das Personal ausgeht. Doch die aktuellen Griechenland-Meldungen werfen Fragen auf:</p> <p><i>(Vollständiger Beitrag abrufbar unter:</i></p>

		https://bulletin-1.ch/biss-kata-hilfe-ohne-armee/
news.admin.ch 06.08.2021	Schweiz unterstützt Griechenland mit Armee-Helikoptern und Einsatzkräften bei der Bekämpfung von Waldbränden	In Griechenland wüten Brände in mehreren Regionen. Die Schweiz reagiert auf ein Hilfsersuchen der griechischen Behörden und entsendet drei Armee-Helikopter sowie Personal zur Verstärkung der Brandbekämpfung vor Ort. Am Samstag werden drei Helikopter des Typs Super Puma und maximal 40 Mitarbeitende der Armee in Richtung Athen abheben. Ab Sonntag werden die ersten Löschoptionen geflogen. (Vollständige Medienmitteilung abrufbar unter: https://www.admin.ch/gov/de/start/dokumentation/medienmitteilungen.msg-id-84626.html)
vtg.admin.ch 04.08.2021	Flexibilität und Schnelligkeit sind Trumpf	Eine Übung im Teamwork; bei der Übung «Zelos» der Leichten Fliegerabwehr Lenkwaffen Abteilung (L Flab Lwf Abt) 7 wird die Zusammenarbeit verschiedener Systeme trainiert. Dabei spielt vor allem das Zusammenspiel der Radar-Einrichtungen und der STINGER-Trupps eine grosse Rolle. (Vollständiger Beitrag abrufbar unter: https://www.vtg.admin.ch/de/organisation/kdo-op/lw.detail.news.html/vtg-internet/verwaltung/2021/21-08/kdo-op-flexibilitat-und-schnelligkeit-sind-trumpf.html)
gazette-online.ch 02.08.2021	Die Schweiz entscheidet sich für Patriot	Der Bundesrat wird dem Parlament die Beschaffung von 5 Feuerinheiten des Typs Patriot des US-Herstellers Raytheon Technologies beantragen. Das System erzielte in der Evaluation den höchsten Gesamtnutzen und gleichzeitig die tiefsten Gesamtkosten. Der Bundesrat ist überzeugt, dass sich das Patriot-System am besten eignet, die Schweizer Bevölkerung auch in Zukunft vor Bedrohungen aus der Luft zu schützen. Den Entscheid hat er in seiner Sitzung vom 30. Juni 2021 gefällt. (Vollständiger Beitrag abrufbar unter: https://www.gazette-online.ch/blog/nunc-tincidunt-elit-non-cursus-3-6-2-2-2-2-2-2-2-2-2-2-3-3-4-2_trashed-2-2-4-2-3-2/)
f35.com 02.08.2021	F-35 Lightning II Program Status and Fast Facts	Monatlicher Programmstatus (Abrufbar unter: https://www.f35.com/content/dam/lockheed-martin/aero/f35/documents/F-35%20Program%20Fast%20Facts%20-%20August%202021.pdf)

<p>nzz.ch 29.07.2021</p>	<p>Die SP ist nicht einfach gegen die Armee, aber auch nicht richtig dafür Von Georg Häsler Sansano</p>	<p>Zuerst plädierten die Sozialdemokraten für leichte Kampfflugzeuge, dann für den Gripen und am Schluss für ein europäisches Modell. Das ist nicht bloss Polit-PR: Die SP-Vorstösse basieren auf einer sicherheitspolitischen Programmatik.</p> <p><i>(Anmerkung Redaktion: Es gibt zu diesen Ausführungen und der Konklusion von GHS in der NZZ allerdings auch gewichtige Gegenstimmen. Eine davon ist Dr. iur. Rudolf Schaub, der sich mit seiner kürzlich erschienen profunden Analyse «Schweizer Armee in der Konzeptions-Sackgasse – Mit oder ohne Ausweg?» nicht nur mit dem deplorablen Zustand unserer Armee, sondern vertieft auch mit den Positionen von Pierre-Alain Fridez und der vermeintlichen Sicherheitspolitik der SP Schweiz auseinandersetzt. Ein Muss für alle, die sich für unsere Armee interessieren und engagieren! Das Werk mit der ISBN Nr. 978-3-909191-81-9 ist im Aktiv Verlag Stans erschienen und ein echter «Augenöffner» der Sonderklasse!)</i></p> <p><i>(MNS-Leserbrief zum NZZ Artikel von Georg «Die SP ist nicht gegen die Armee – aber auch nicht richtig dafür» vom 29. Juli 2021: Lassen wir uns nicht täuschen! Die SP Schweiz kennt in der Sicherheitspolitik nur eine einzige verbindliche Programmatik. Am 30./31. Oktober 2010 beschlossen die SP-Delegierten an ihrem Parteitag in Lausanne mit 253 zu 199 Stimmen die Aufnahme des Passus, «die SP setzt sich für die Abschaffung der Armee ein» in ihr neues Parteiprogramm. Seit diesem Zeitpunkt lehnt diese Bundesratspartei mit einer besonderen Verantwortung für Schutz und Sicherheit unserer Bevölkerung alles was unsere Armee im Ideellen aber vor allem auch materiellen Bereich so dringend nötig hätte konsequent ab. In der Tagespolitik wird unauffällig, still und leise das in Lausanne beschlossene Ziel mit aller Konsequenz in die Praxis umgesetzt. Dafür wird - wo nötig und um die eigenen Karrierechancen innerhalb der SP nicht zu gefährden – bis hin zur Selbstverleugnung alles der Parteiräson unterordnet. Das Agitieren der SP in der aktuellen Frage der Beschaffung eines neuen Kampfflugzeugs als Ersatz für die veralteten F/A-18C/D ist der beste Beweis dafür. Nicht der nach dem Beschluss des Bundesrates für die Beschaffung von 36 Kampfflugzeugen des Typs F-35A ins Spiel gebrachte Kauf des Rafale oder des Eurofighter ist das Ziel der SP, sondern die Abschaffung unserer Luftwaffe und nachgelagert unserer Armee. Denn die sicherheitspolitische Sprecherin der SP Schweiz Priska Seiler Graf, SiK Mitglied NR Pierre-Alain Fridez, Strippenzieher Peter Hug und Konsorten wissen genau, dass unsere Luftwaffe und nachgelagert unsere Armee eine weitere Nullrunde bei der aktuellen NKF-Beschaffung nicht überstehen wird. Und um das zu erreichen, legt man sich - als bedürfe es noch einen Beweis für dieses unsägliche Agitieren - selbst mit der Gesellschaft für eine Schweiz ohne Armee GSoA ins Lotterbett! Den Armee-positiven Kräften innerhalb der SP ist die Hand zu reichen. Aber um das Tun zu können, müssen diese nun auch den Mut haben, die parteiinternen Unannehmlichkeiten auf sich zu nehmen und sich in aller Öffentlichkeit hinter die aktuelle Sicherheitspolitik des Bundesrates einschliesslich der Beschaffung eines neuen Kampfflugzeugs zu stellen sowie sich dafür auch öffentlich zu engagieren. Es reicht klar nicht, sich in einem vertraulichen Journalistengespräch hinter verschlossenen Türen zu</i></p>
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		<p>unserer Landesverteidigung zu bekennen, sich bei der nächsten Abstimmung im Parlament aber wieder der Parteiräson zu beugen.)</p> <p>(Vollständiger registrierpflichtiger Artikel Georg Häsler Sansano abrufbar unter: https://www.nzz.ch/die-sp-ist-nicht-einfach-gegen-die-armee-bleibt-aber-mit-ihren-reformideen-in-der-vergangenheit-haengen-ld.1637591)</p>
ar.admin.ch Juli 2021	armafolio - Das Magazin von armasuisse / Nr. 1 Juli 2021	<p>Das jeweils im Juli und Dezember erscheinende Magazin berichtet aus sämtlichen Themengebieten und Fachbereichen von armasuisse. Die Tätigkeiten von armasuisse sind sehr vielseitig und bieten einen spannenden Einblick in Beschaffungs-, Prüfungs- und Entwicklungsprozesse sowie in das Immobilienwesen des Bundes.</p> <p>Mit u.a. einem Artikel:</p> <p>Die Evaluation hat gezeigt, dass der F-35A und Patriot die am besten geeigneten Systeme für die Schweiz sind.</p> <p>Der F-35A von Lockheed Martin und das Patriot-System von Raytheon gehen als Sieger aus dem Evaluationsprozess hervor. Die beiden Systeme erzielten in der Evaluation den höchsten Gesamtnutzen und gleichzeitig die tiefsten Gesamtkosten. Infolgedessen hat der Bundesrat beschlossen, beim Parlament die Beschaffung von 36 Kampfflugzeugen des Typs F-35A des US-Herstellers Lockheed Martin und von fünf Feereinheiten des Typs Patriot des US-Herstellers Raytheon zu beantragen.</p> <p>(PDF-Version abrufbar unter: file:///C:/Users/Standard/Downloads/armafolio_2021-01_web.pdf)</p>

		Luft- und Marineluftstreitkräfte sowie strategische und weitere luftgestützte Einsatzmittel
en.yna.co.kr 11.08.2021	KOR/IDN: Indonesian engineers to return to S. Korea for KF-21 joint development	<p>Indonesian engineers who left South Korea last year amid speculation the Southeast Asian country was seeking to quit their joint fighter jet development will return this month after Jakarta reaffirmed its commitment to the project, the arms procurement agency said Wednesday. Indonesia agreed to partner in South Korea's KF-21 project aimed at developing a new fighter jet by 2026, and promised to shoulder 20 percent of the total development cost of 8.8 trillion won (US\$7.6 billion), or about 1.7 trillion won. The two countries were seeking to hold another round of negotiations to resolve the payment issue but the meeting could not take place due to the coronavirus situation.</p> <p>South Korea has been working on the KF-21 project since 2015 to develop a homegrown cutting-edge fighter aircraft to replace the Air Force's aging fleet of F-4 and F-5 jets. In April, South Korea unveiled a prototype of the gray-colored jet and its official name, KF-21 Boramae. Ground tests are currently under way and the first flight test is scheduled for next year. When the development is complete, 40 units are planned to be delivered to the Air Force by 2028 and another 80 units by 2032, officials said.</p>
flightglobal.com 11.08.2021	ESP: Spain turns to Iberia for air force A330 tankers	Spain is to acquire three Airbus A330-200s from flag carrier Iberia for conversion into aerial refuelling tankers for its air force. Madrid in late June approved the acquisition of three tanker/transports, allocating €148 million (\$174 million) this year, as part of a broader agreement with the airframer, which also included helicopters and a commitment to the multi-national European Future Combat Air System.
tass.com 11.08.2021	RUS: Russian air force to get over 60 new aircraft by year-end	More than 60 new and over 200 modernized aircraft will be delivered to Russia's air force by the end of the year, Deputy Commander-in-Chief of Russia's Aerospace Forces Lt. Gen. Sergei Dronov said in an interview with the Krasnaya Zvezda newspaper. "By the end of the year, the delivery of over 60 new aviation products is scheduled, including advanced multirole Su-30SM, Su-35S, Su-57 aircraft and Su-34 medium-range fighter-bombers, heavy Il-76MD90A military transport planes, Mi-28NM and Ka-52 combat helicopters and Mi-8AMTSh-VN special operations helicopters," Dronov said. He added that the Russian air force will also receive over 200 modernized aircraft. All equipment is tested in combat conditions in the Syrian Arab Republic, and adjustments are made if necessary, the official said.

<p>defensenews.com 10.08.2021</p>	<p>USN: Carl Vinson strike group using first deployment with F-35C, beefed-up air wing to hone advanced operations</p>	<p>The air wing the Carl Vinson Carrier Strike Group is hauling around not only includes the F-35C Joint Strike Fighter for the first time in history but also a beefed-up complement of EA-18G Growlers and E-2D Advanced Hawkeyes for an “air wing of the future” leaders think can defeat high-end adversaries before they even spot the U.S. Navy coming. The Vinson strike group departed San Diego Aug. 2 for a deployment that will likely bring them through the Pacific and into the Middle East. Though in some ways the deployment will be routine, with the strike group exercising with allies and partners and providing presence in tense areas of the world, the redesigned air wing coupled with the new CMV-22B Osprey logistics airplane is sure to provide the fleet and naval aviation leaders with plenty of lessons learned.</p> <p><i>(Vollständiger Beitrag abrufbar unter: https://www.defensenews.com/naval/2021/08/10/carl-vinson-strike-group-using-first-deployment-with-f-35c-beefed-up-air-wing-to-hone-advanced-operations/)</i></p>
<p>airforcemag.com 10.08.2021</p>	<p>USAF: Kendall: Current F-35 Block 4 Issues Reminiscent of Earlier JSF Problems</p>	<p>The Air Force faces extremely high operating and sustainment costs for the F-35, another issue that could affect the long-term health of the fleet. While Kendall, the new Air Force Secretary, just in his third week, said he had not had a chance to look “into it in detail,” he did recently discuss the issue with the Joint Program Office. “They do feel that they have some ways to reduce costs significantly that they’re still exploring. So, that’s encouraging.”</p> <p>The F-35 still is a “dramatically improved capability” over fourth-generation aircraft, Kendall said. The jet represents a “game-changing tactical air warfare capability. And it is expensive, compared to much earlier systems, which are much simpler and less capable.”</p> <p>As the fleet expands, the Air Force and other stakeholders need to drive the costs down, he said. Some “real opportunities” include replacing the much-maligned Autonomic Logistics Information System with the Operational Data Integrated Network. “We can hopefully reduce some manpower through that. We can reduce the cycle times for maintenance and get some savings there as well,” Kendall said.</p> <p><i>(Vollständiger Beitrag abrufbar unter: https://www.airforcemag.com/kendall-current-f-35-block-4-issues-earlier-jsf-problems/)</i></p>
<p>upi.com 10.08.2021</p>	<p>USN: Navy beats goal for 56 fully mission capable</p>	<p>The P-8A Poseidon aircraft Integrated Weapons Support Team has reached the goal of 56 Fully Mission Capable aircraft more than a week ahead of schedule, the Navy said on Tuesday. Naval Supply Systems Command Weapons Systems Support's P-8A IWST had targeted Aug. 1 to achieve the goal of 56 FMC P-8A</p>

	P-8A Poseidon aircraft	Poseidon aircraft, but the team actually reached the goal on July 23 with the help of government stakeholders and industry partners. The U.S. Navy's P-8A Poseidon patrol aircraft are used for rescue, intelligence gathering and reconnaissance as the Navy's principle aircraft for detecting and tracking submarines. The 56 FMC P-8A aircraft can be used by operational commanders worldwide for anti-submarine warfare, anti-surface warfare, intelligence and surveillance and reconnaissance missions. The next goal is to sustain the 56 aircraft and expand as more aircraft deliver to the fleet, officials said.
boeing.com 10.08.2021	NOR: Norway's First P-8A Poseidon Performs Maiden Flight	<p>The first of five Boeing P-8A Poseidon aircraft for Norway performed its maiden flight yesterday, Aug. 9. The aircraft took off at 10:03 a.m. Pacific time and flew for 2 hours, 24 minutes, reaching a maximum altitude of 41,000 feet during the flight from Renton Municipal Airport to Boeing Field in Seattle. The five P-8As will eventually replace Norway's current fleet of six P-3 Orions and three DA-20 Jet Falcons.</p> <p>To date, Boeing has delivered 136 P-8 aircraft to the U.S. Navy, the Royal Australian Air Force, the Indian Navy and the United Kingdom's Royal Air Force. Norway is one of eight nations that have selected the P-8A as their maritime patrol aircraft, along with the United States, India, Australia, the United Kingdom, Korea, New Zealand and Germany.</p> <p><i>(Ergänzende Information thebarentsobserver.com vom 11.08.2021: The plane is expected to fly over to Norway early next year. The next four planes will be delivered in 2022 and 2023. The Royal Norwegian Air Force currently operates its P-3s from Andøya Air Station. With the introduction of the P-8s, flight operations will move to new facilities at Evenes Air Station, an hour drive from the city of Harstad inside the Arctic Circle, and with short flying time to the important waters outside northern Norway. In recent years, Russian Northern Fleet submarines have increased their sailings west of the Barents Sea, into the much deeper Norwegian Sea in the North-Atlantic. Especially the 4th generation Yasen-class multi-purpose subs, sailing more quietly and armed with long-range cruise missiles, are of concern for NATO countries, including Norway.)</i></p>
janes.com 09.08.2021	ITA: Italy to fund MC-27J Praetorian development and procure new KC-767 strategic airlifters	The Italian Ministry of Defence (MoD) plans to fund new multi-year programmes for the development of three Leonardo MC-27J Praetorian special operations aircraft and the acquisition of two new Boeing KC-767 strategic transport/tanker aircraft for the Italian Air Force (Aeronautica Militare Italiana: AMI).

<p>tass.com 09.08.2021</p>	<p>RUS: Production of upgraded version of Su-57 fighter is to start in 2025</p>	<p>The production of the upgraded version of the fifth generation Su-57 fighter as part of the Megapolis research and development project is expected to begin in 2025, a source in the military-industrial sector told TASS. "In the upgraded version of the fighter as part of the Megapolis research and development project, a completely upgraded cockpit with the most advanced avionics will be installed. In addition, the aircraft will be equipped with a second stage power unit. It is planned that mass production of the upgraded Su-57 will start from 2025," the source said. He also clarified that as part of the Megapolis research and development project the Su-57 fighter will be made in a single-seat version. TASS has no official confirmation of this information.</p> <p>Earlier, TASS reported that a fifth-generation Su-57 fighter jet will be designed in a two-seat modification to control a swarm of heavy Okhotnik combat drones.</p> <p>The Russian Aerospace Forces have to receive 24 Su-57 by the end of 2024. Their number is to grow to 76 by 2028.</p>
<p>asiatimes.com 08.08.2021</p>	<p>USAF: Hermeus nets \$60mn pact for hypersonic 'Quarterhorse'</p>	<p>It's name is Quarterhorse, and some day, it will be able to fly defense higher-ups from New York to Paris in just 90 minutes, instead of more than the 7 hours today on regular jets. And that is all because Hermeus, a hypersonic plane startup based in Doraville, Ga., impressed US Air Force, Department of Defense and NASA officials following a US\$1.5 contract for the autonomous (yes, autonomous) high-speed aircraft concept. They must have done one hell of a job, because the Air Force just handed them US\$60 million for flight testing. The contract allows three years to do that and develop, build and test a concept aircraft that can go five times the speed of sound (3,300 mph/Mach 5).</p>
<p>airforcemag.com 06.08.2021</p>	<p>USAF: AMC Frees Up KC-46 for More Refueling Operations</p>	<p>Air Mobility Command on Aug. 6 announced it is freeing up the KC-46 for more operations, allowing the tanker to use its refueling boom to refuel C-17s, B-52s, and other KC-46s in some circumstances. It is the second "interim capability release" for the troubled tanker. AMC last month cleared it to refuel aircraft with its centerline drogue. In February, AMC said allowing KC-46s to pick up some of the tanker load in non-combat tasks can free up legacy KC-135s and KC-10s to fill more of those responsibilities.</p> <p>As of July, KC-46s have flown more than 5,000 sorties, with 2,700 of those this year. Since October 2020, KC-46s have conducted more than 4,700 refueling contacts with C-17s, B-52s, and other KC-46s, according to AMC.</p>

<p>janes.com 06.08.2021</p>	<p>ITA: Italy to invest USD2.4 billion in Tempest programme</p>	<p>The country's latest multiyear planning document (Documento Programmatico Pluriennale: DPP) for 2021–23 released on 5 August, revealed that the Italian Ministry of Defence (MoD) plans to allocate EUR60 million between 2021 and 2023, EUR90 million between 2024 and 2026, and EUR1.85 billion between 2027 and 2035 to fund capabilities for the Tempest programme. Specifically, EUR6 billion is identified for research and development, while acquisition and support funding are yet to be fully defined. The DPP marks the first formal commitment of funding since Italy signed up for the Tempest project in September 2019.</p> <p>As noted in the DPP, Tempest is envisaged as a manned/optionally manned fighter, capable of operating in highly contested and degraded environments, and will be part of a wider, networked, system-of-systems (SoS) – the Future Combat Air System (FCAS) – that will include unmanned aerial vehicles (UAVs), weapons and sensors systems, and other current and future aviation assets and technologies.</p>
<p>defenceweb.co.za 06.80.2021</p>	<p>GHA: Ghana seeking to acquire six L-39NG jets</p>	<p>Ghana is looking to acquire six L-39NG aircraft from Czechia's Aero Vodochody, which would be bought through a loan agreement. Ghana's defence ministry disclosed the agreement to Parliament on 2 August. The contract is worth €111.3 million (\$132 million) and includes spares, training and support. Aero Vodochody spokesperson Tereza Vrublová confirmed that Aero Vodochody is negotiating with the Ghanaian Ministry of Defence for the supply of L-39NG aircraft. "However, we will not comment further on the ongoing business case," she said.</p>
<p>eurofighter.com 05.08.2021</p>	<p>Discover more about the latest Capability Enhancement Contract</p>	<p>Eurofighter Jagdflugzeug GmbH and NETMA, the NATO Eurofighter & Tornado Management Agency, have signed a contract worth close to €300 million for the Consolidation Package Step Two & Three – Phase 1 Contract. It provides the next steps in the capability evolution of the Eurofighter Typhoon combat aircraft. The Consolidation Package represents an evolution of the capabilities of the aircraft. Taken together this package makes the weapon system better and more versatile for end user air forces, with improvements to individual capabilities being rolled out across the whole fleet of M-Scan and E-Scan aircraft. Through updates to Typhoon's operational capability with Meteor and Brimstone, the contract strengthens both the air-to-air and air-to-surface capabilities of the weapon system and rolls these updates out across the whole fleet. At the same time, it significantly improves the platform's interoperability with coalition forces through the enhancements to the MIDS Link 16 and radios. The changes to cockpit display formats follow on from feedback from the operator community who have asked for certain changes to improve the pilot and machine interaction.</p>

<p>dailysabah.com 04.08.2021</p>	<p>TUR: Turkey reveals details of unmanned fighter jet project</p>	<p>Some details on Turkey’s domestically-made unmanned fighter jet, which is expected to make its maiden flight in 2023, were revealed by the chief technology officer (CTO) of leading local drone magnate, Baykar. According to the shared information, the unmanned fighter jet will conduct a multitude of military actions, such as strategic offensive, close air support (CAS), missile offensive, suppression of enemy air defenses (SEAD) and destruction of enemy air defenses (DEAD). The aircraft is set to have a high operational altitude and take-off weight of 5,500 kilograms (12,125 pounds). It will carry a 1,500 kg useful payload. The unmanned fighter jet is set to have five hours of flight time will be able to reach speeds of up to 800 kilometers per hour (kph) (500 miles per hour - mph - or Mach 0.64). It is designed in a way to have low visibility and to be able to maneuver aggressively.</p>
<p>boeing.com 03.08.2021</p>	<p>USN: Boeing and Northrop Grumman conducted virtual carrier air wing teaming scenarios using MQ-25, F/A-18 and E-2D simulations including actual flight software.</p>	<p>A Boeing-led has demonstrated manned-unmanned teaming (MUM-T) capabilities in a virtual environment using the Navy’s MQ-25TM Stingray unmanned aerial refueler, the E-2D Advanced Hawkeye airborne command-and-control aircraft and the F/A-18 Super Hornet. The demonstration, sponsored by the Office of Naval Research, used Northrop Grumman’s portable E-2D simulator in conjunction with Boeing’s F/A-18 and MQ-25 simulations to establish a data link network that was used to supervise MQ-25 flight operations.</p> <p>The simulated mission scenarios included the E-2D successfully controlling the MQ-25TM Stingray while the MQ-25 refueled the F/A-18, in addition to supervising the MQ-25 during an intelligence, surveillance and reconnaissance mission. The E-2D was able to conduct MUM-T operations with the MQ-25 using only existing operational flight program software. The team also demonstrated how anticipated carrier air wing concepts – such as the F/A-18 and E-2D changing the tanker’s orbit station, flight path or aerial refueling store payload – were made routine and repeatable with the unmanned MQ-25.</p> <p>MUM-T is a key future capability outlined in the Navy’s Unmanned Campaign Plan. The framework is the Navy’s strategy for integrating unmanned systems to provide lethal, survivable and scalable effects in support of carrier strike group operations.</p>
<p>dsca.mil 03.08.2021</p>	<p>GRC: F-16 Sustainment Material and Services</p>	<p>The Government of Greece has requested to buy among others U.S. Government and contractor engineering, technical, and logistics support services for F-16 Aircraft Structural Integrity Program (ASIP), F-16 Aircrew Training Device (ATD), Low Altitude Targeting and Infrared for Night (LANTIRN), and Reconnaissance (RECCE) Pods support programs; aircraft classified and unclassified aircraft software and software support; Multifunctional Information Distribution System (MIDS) software support, Joint Mission Planning Software</p>

		<p>(JMPS) support and participation in Electronic Combat International Security Assistance Program (ECISAP). The total estimated value is \$270 million.</p> <p><i>(Ergänzende Information defenseworld.net vom 04.08.2021: The Hellenic Air Force has over 150 F-16 C/D fighters in service. Of that, 84 jets will be upgraded to Block 72 Viper while 38 more will be upgraded to Block 52+ Advanced.)</i></p>
<p>defenseone.com 03.08.2021</p>	<p>USN: Science & Tech The US Navy Is Reversing Its Fighter- Jet Design Philosophy</p>	<p>Vice Adm. Dean Peters, the Naval Air Systems Command commander, described a shift in the design philosophy of high-performance fighter jets. “The most important thing that's going to happen with this with Next Generation [Air Dominance] is that we're going to take all of those technologies that we've developed, those enabling technologies, and instead of picking a platform and then figuring out how to wedge those enabling technologies into it, or not be able to wedge those into it, we're gonna start with the enabling technologies, and make that part of the criteria for what the aircraft looks like on the other end,” Peters said at the Navy League’s Sea Air Space convention in National Harbor, Maryland.</p> <p>Called the Next Generation Air Dominance, or NGAD, the plane is to eventually replace the aircraft carrier-based F/A-18 Super Hornet. The Air Force also has a next-generation fighter jet project by the same name. “I can tell you that although...the program is different than the Air Force, there is a very tight integration between the Air Force and the Navy, or what this platform is going to be,” Peters said.</p> <p>A year ago, in August 2020, the Navy revealed it quietly stood up a program office for the new plane. About a month later, the Air Force said it had secretly built and flown a prototype of its NGAD aircraft. Few details have since emerged. Over the years, companies have released concept images of new generation fighters with no vertical stabilizer, as a way to help make the planes less detectable to radar. The Air Force has been experimenting with technology to allow its future planes to be flown with or without pilots. It has also been developing “loyal wingmen,” pilotless drones that can fly alongside manned aircraft.</p> <p>Lockheed Martin and Boeing are the only two American companies building manned fighter aircraft for the Navy and Air Force. Northrop Grumman is building a new generation stealth bomber for the Air Force.</p>
<p>usni.org 03.08.2021</p>	<p>USN: Navy Questions Future Viability of Super</p>	<p>If Congress mandates the Navy keep buying the current F/A-18E/F Super Hornets, the airframes will be in the fleet into the 2050s. But by then, the fourth-generation fighters likely couldn’t stand up to future threats, a service official said Tuesday. Rear Adm. Andrew Loiselle, who leads the chief of naval operation’s air warfare</p>

	<p>Hornets; Recommends Against New Buy</p>	<p>directorate (OPNAV N98), today provided the rationale for why the Navy wants to stop buying the Boeing-built aircraft.</p> <p>Super Hornets are, “a 30-year airframe at 10,000 hours. So that takes us out to about 2055. And there isn’t a lot of analysis out there that supports fourth-generation viability against any threat in that timeframe,” Loisellesaid at the Navy League’s annual Sea Air Space 2021 conference. Loisellesaid argued that investing in Service Life Modification upgrades for aircraft already in service provides the capability and flight hours the Navy needs, noting the service can pay for three upgrades for the same amount of money it would cost to buy one new fighter. If the Navy does need more Super Hornets in the future, Loisellesaid he can add more aircraft into the SLM update program. The number of aircraft is not the highest priority for the Navy, which is more concerned with readiness and lethality, he said.</p> <p>Loisellesaid was expanding on comments made by Chief of Naval Operations Adm. Mike Gilday, who on Monday criticized defense lobbyists for pushing Congress to purchase Navy platforms that the service does not want to buy. The House Appropriations Committee recently added 12 Super Hornets to the Navy’s budget in the draft of the FY 2022 defense spending bill, according to a committee summary of the legislation.</p> <p>Meanwhile, House Armed Services Committee tactical air and land forces subcommittee ranking member Rep. Vicky Hartzler (R-Mo.) in a June op-ed criticized the Navy’s plans to end the production line. Hartzler’s state is home to the plant where Boeing builds the Super Hornets.</p> <p>It’s unclear what the House Armed Services Committee will do with the Super Hornets. During a briefing last week about the HASC tactical aviation and land forces subcommittee’s mark of the FY 2022 authorization bill, a committee aide said the chairman’s mark would tackle any decisions that might alter the Navy’s plans for the fourth-generation aircraft.</p> <p><i>(Vollständiger Artikel abrufbar unter:</i> https://news.usni.org/2021/08/03/navy-questions-future-viability-of-super-hornets-recommends-against-new-buy<i>)</i></p>
<p>defence-blog.com 03.08.2021</p>	<p>TKM: Turkmenistan showcases newly acquired Leonardo’s</p>	<p>The M-346FA (Fighter Attack) is a light attack version of M-346 jet trainer developed by the Italian firm Leonardo. The first two aircraft were spotted on footage released by state news agency of Turkmenistan. According to the Scramble, in 2019, the Turkmen Air Force has placed an order worth \$545 million with Leonardo, including two M-346FA and four M-346FT trainers, as well as eight AW139 multi-purpose</p>

	M-346FA combat aircraft	helicopters. The M-346FA light combat aircraft evolved from the M-346 Advanced Jet Trainer (AJT) combining high performance with the versatility to tackle multiple missions.
usni.org 02.08.2021	USN: First F-35C Fighters, CMV-22B Deploy with Carl Vinson Carrier Strike Group	The Nimitz-class aircraft carrier USS Carl Vinson (CVN-70) departed San Diego Bay Monday afternoon with nearly 6,000 sailors and a crowded flight deck to begin a scheduled deployment to the Indo-Pacific region, marking a key milestone for 21st-century naval aviation. Aboard Vinson is Carrier Air Wing 2, the Navy's first fully integrated air wing to deploy overseas with both the F-35C Lightning II fifth-generation, multi-mission strike fighter and the new CMV-22B Osprey tiltrotor. The single-seat F-35C jets, assigned to Strike Fighter Squadron 147 based at Naval Air Station Lemoore, Calif., are the newest jet to expand the wing's capabilities to project air power at sea. The CMV-22B, flown by the "Titans" of Fleet Logistics Multi-Mission Squadron 30, will extend the air wing's legs, expanding the logistical resupply reach for the carrier and strike group. The Osprey, with its short takeoff and landing capabilities, provides Vinson and Carrier Strike Group 1 with the carrier-on-board or COD mission that has long been provided by the Navy's aging C-2 Greyhound turboprop airplane.
defence-blog.com 01.08.2021	RUS: Russian pilots use US- made GPS receivers during combat missions in Syria	Nationalist politician and Soviet Air Force veteran Viktor Alksnis drew attention to recent images of Su-34 Fullback fighter-bomber aircraft in Syria, writing on Facebook that military pilots use commercial GPS receivers during their combat operations. Recent images show the cockpit of the Russian Su-34 Fullback strike jet during combat missions in support of the Syrian Armed Forces in the north of the country. In the image, Viktor Alksnis has spotted a commercial GPS receiver that was secured with a simple clamp in the cockpit of the Su-34. Experts later determined that the photo shows a U.S.-manufactured GPS receiver developed by the Garmin company. Russian military pilots used the GPS receiver of Garmin's popular entry-level eTrex Legend family. Apparently, the Russian military used an American GPS receiver to duplicate their onboard navigation systems, which reportedly often malfunctioned in real combat conditions.
taskandpurpose.com 30.07.2021	USA: 'You're gonna keep your A-10 Warthogs and you're gonna like it	Like a hoarder with separation anxiety, Congress just can't let go of the A-10 Warthog, the aging but legendary attack plane the Air Force has tried and failed for years to start to get rid of. In its most recent attempt, the Air Force tried to cut 42 A-10 Thunderbolt II attack aircraft from its fleet of 281 airframes. The move was supposed to free up maintenance costs on the aging platform which the branch could then use to buy more advanced aircraft like the F-35A, which the Air Force thinks has a better chance of surviving against high-tech anti-aircraft weapon-equipped countries like China. But not if Congress had anything to say about it, which it did. In its proposal for the Fiscal Year 2022 National Defense Authorization Act, the bill which will set the

		funding levels for the U.S. military next year, the Senate Armed Services Committee prohibited the Air Force from retiring any A-10 aircraft in fiscal year 2022.
flightglobal.com 29.07.2021	BRA: Embraer KC-390 starts flight tests on unpaved runway	<p>Embraer has started flight testing the KC-390 Millennium on an unpaved runway. An 1,800m dirt runway at the company’s Gaviao Peixoto facilities in southern Brazil will be used over the next several weeks to assess and analyse the performance of the tactical transport, Embraer said on Twitter on 23 July. Embraer has continued to put the KC-390 through a variety of certification-related tests in recent months, including cold weather testing in Alaska and an in-flight refuelling qualification.</p> <p>“The C-390 Millennium has excellent ground manoeuvrability and can operate on airfields with limited space for parking or manoeuvring and no ground facilities,” says Embraer. “The C-390 Millennium can normally operate from a 4,000ft semi-prepared soft airstrip (compacted sand-clay soils) carrying 12 metric tonnes of cargo to a distance of 500nm [925km].”</p> <p>Embraer has pitched the KC-390 as a multi-mission aircraft capable of handling cargo transport, in-flight refuelling, cargo air drops, deploying paratroopers, search and rescue, medical evacuation and aerial firefighting. The company says the aircraft can be reconfigured for all missions in 3h or less. Embraer is also promoting the jet as a civilian cargo aircraft, dubbed the C-390.</p> <p>Continued testing of the KC-390 comes as the Brazilian air force announced plans in May to cut its order of 28 examples of the aircraft due to the negative impact of the coronavirus pandemic on Brasilia’s budget. The service has not said by how much its order will be reduced, but stated that it aims to have Embraer hold production at two aircraft per year – the same production pace as in 2019 and 2020.</p> <p>Production of the KC-390 was expected to ramp up to fulfil outstanding orders from the Brazilian air force, as well as five aircraft from the Portuguese air force and two for the Hungarian air force. Embraer is also trying to convert 33 letters of intent into firm orders for the air forces of Argentina, Chile, Colombia and the Czech Republic. The Brazilian air force has four examples of the KC-390 in service.</p>

		Hubschrauber und Kipprotor-Flugzeuge
defence-blog.com 10.08.2021	USMC: U.S. Marines' huge new CH-53K helicopter enters initial operational test	<p>The U.S. Navy's Naval Air Systems Command announced on Tuesday that the new CH-53K King Stallion heavy-lift helicopter from Sikorsky for the United States Marine Corps officially enters Initial Operational Test and Evaluation.</p> <p>The CH-53K King Stallion is the premier heavy-lift helicopter ever built by the United States government. It is an all-new heavy-lift helicopter that will expand the fleet's ability to move more material more rapidly. That power comes from three new General Electric T-408 engines, which are more powerful and more fuel-efficient than the T-64 engines currently outfitted on the CH-53E. The CH-53K will replace the CH-53E "Super Stallion," which has served the Marine Corps for 40 years, and will transport Marines, heavy equipment and supplies during ship-to-shore movement in support of amphibious assault and subsequent operations ashore. It will support a range of military missions, including humanitarian aid, troop and equipment/cargo transport, and casualty evacuation (CASEVAC). The helicopter can perform missions in the modern battlefield and also support special operations forces, and combat search and rescue (CSAR) operations. The CH-53K fleet will be inducted into service between 2023 and 2024.</p>
tass.com 10.08.2021	RUS: Russia's Aerospace Force receives about 30 aircraft and helicopters in 2021	<p>The Progress Arsenyev Aviation Company produced six Ka-52 reconnaissance/strike helicopters, acting Company CEO Andrei Semyonov reported. "Considering the experience of its combat employment in the Syrian Arab Republic, corresponding changes were made to the helicopter's design to boost its combat capabilities," he said. "The upgrade of the mathematical software of Baget No. 3 unit increased the range of Vikhr-1 anti-tank missiles to over 8 km," he added. "This year, the delivery of another eight Ka-52 combat helicopters is scheduled. All the helicopters are at the final stage of their production and trials," the Company's acting CEO specified.</p>
defenseworld.net 09.08.2021	RUS: Special Forces Mi-8 Helicopter- AMTSh-VN Makes First Flight	<p>The Mi-8 AMTSh-VN created specifically for the needs of special forces, which the Russian MoD calls as the World's 'most armed and most protected military transport helicopter,' made its first flight today. It is an extreme modernization of the venerable Mi-8 helicopter making it an attack helicopter capable of transporting fully equipped troops and eliminating the need for attack helicopters to escort the troop-carrying Mi-8 in delicate missions. The Mi-8 AMTSh-VN demonstrated an ability to move sideways; made possible, among other things, by the new design of the main rotor - with blades made of composite materials. Also AMTSh-VN is capable of accelerating up to 270 kilometers per hour, which is 30 times faster than the base version of the Mi-8.</p>

		<p>The Mi-8 AMTSh-VN based on the latest modification of the Mi-8AMTSh-V military transport helicopter, which features new Klimov VK-2500-03 gas turbine engines, a more powerful TA-14 auxiliary power unit and an updated avionics package, according to Russian Helicopters. The test helicopters features pylons for carrying missiles- three on either wing. In addition, the AMTSh-VN is expected to come equipped with machine-gun mounts and infrared and other sensors for providing situational awareness for landing fully equipped special forces soldiers in hostile environments. The AMTSh-VN is protected against small arms and has counter-measures to deflect missiles.</p>
<p>bellflight.com 02.08.2021</p>	<p>Bell Unveils New High-Speed Vertical Take-Off and Landing Design Concepts for Military Application</p>	<p>Bell Textron Inc. announced today the unveiling of design concepts for new aircraft systems for military applications which would use Bell's High-Speed Vertical Take-Off and Landing (HSVTOL) technology as the company continues its innovation of next generation vertical lift aircraft. HSVTOL technology blends the hover capability of a helicopter with the speed, range and survivability features of a fighter aircraft.</p> <p>Bell's HSVTOL design concepts include the following features:</p> <ul style="list-style-type: none"> ◦ Low downwash hover capability ◦ Jet-like cruise speeds over 400 kts ◦ True runway independence and hover endurance ◦ Scalability to the range of missions from unmanned personnel recovery to tactical mobility ◦ Aircraft gross weights range from 4,000 lbs. to over 100,000 lbs.
<p>thehill.com 30.07.2021</p>	<p>USA/ISR: Biden administration approves \$3.4B CH-53K helicopter sale to Israel</p>	<p>The State Department has approved selling Israel up to 18 CH-53K heavy-lift cargo helicopters in a deal estimated to be worth \$3.4 billion, according to a notice released Friday. In addition to the Lockheed Martin-made helicopters, the deal would include related equipment including up to 60 General Electric-made engines, up to 36 navigation systems, communication equipment, .50 caliber machine guns and more, as well as technical and logistical support. The sale would help the Israeli Air Force's "capability to transport armored vehicles, personnel and equipment to support distributed operations," the notice said.</p> <p><i>(Programmbeschreibung CH-53K abrufbar unter:</i> https://www.lockheedmartin.com/en-us/products/sikorsky-ch-53k-helicopter.html<i>)</i></p>
<p>dover.af.mil 29.07.2021</p>	<p>USAF:</p>	<p>As part of the U.S. Defense Department's Foreign Military Sales program, 9th Airlift Squadron aircrew from Dover Air Force Base, Delaware transports two CH-47F Chinook helicopters aboard a C-5M Super Galaxy from</p>

	Air Force delivers helicopters, bolsters Australian alliance	Dover AFB to Royal Australian Air Force Base Townsville, Australia in early July, further reinforcing the alliance between the two countries. Upon arriving in Australia, the 9th AS aircrew quickly unloaded the two Chinooks, which will be assigned to the Australian Army.
flightglobal.com 28.07.2021	PRT: Leonardo Helicopters has delivered the first upgraded Lynx Mk95A rotorcraft to the Portuguese navy.	Leonardo Helicopters has delivered the first upgraded Lynx Mk95A rotorcraft to the Portuguese navy. Stationed at the service's Montijo base near Lisbon, the enhanced variant gains new updated LHTEC CTS800-4N engines – replacing the original Rolls-Royce Gem powerplants – a glass cockpit, tactical processor and an electrically powered rescue hoist. Portugal operates a total of five Lynx helicopters, with the oldest delivered in 1987, Cirium fleets data records. Leonardo Helicopters says the upgrades will allow Lisbon to continue flying them into the 2030s.
		Unbemannte Luftfahrzeuge (UAV) und Robotik
northropgrumman.com	NATO: NATO Alliance Ground Surveillance Awards Sustainment and Training Support to Northrop Grumman	Northrop Grumman Corporation has been awarded a five-year, multimillion-dollar contract from the NATO Support and Procurement Agency (NSPA) in support of the NATO Alliance Ground Surveillance (AGS) Force (NAGSF). The contract, designed to support fleet readiness, covers operations, maintenance and lifecycle sustainment of NATO's fleet of unmanned aerial vehicles, air vehicle mission command and control stations, and trainer. The NATO AGS system of systems, which recently achieved initial operating capability, is comprised of five RQ-4D aircraft, which is based on Northrop Grumman's wide area surveillance Global Hawk, ground and support segments, and advanced sensor technologies. The wide area surveillance of the RQ-4D Global Hawk and the fixed, mobile and transportable ground stations provide cutting-edge intelligence, surveillance and reconnaissance capability around the clock, and support a full range of missions, including protection of ground troops and civilian populations, border control, crisis management and humanitarian assistance in natural disasters. Northrop Grumman also supports NAGSF with flight mission planning, spares and post design services.
en.yna.co.kr 11.08.2021	KOR: Military to spend 37.5 bln won for drone purchase next year	South Korea plans to spend 37.5 billion won (US\$32.6 million) next year to purchase domestic drones for the military as part of efforts to help the local industry have stable demand for growth, the defense ministry said Wednesday. The budget is more than sixfold the amount allocated for this year, which stood at 6.2 billion

		won, according to the ministry. The military plans to come up with mid- to long-term required operational characteristics by the end of the year to expand the use of drones.
dailysabah.com 08.08.2021	TUR: Turkish Aerospace's Aksungur marks milestone with 1,000 flight hours	<p>Aksungur, a domestically produced medium-altitude, long-endurance (MALE) unmanned aerial vehicle (UAV) developed by Turkish Aerospace Industries (TAI) marked a major milestone by reaching 1,000 flight hours, the producing company said late Saturday. Aksungur was developed following the manufacturing of TAI's Anka MALE UAV. It can perform uninterrupted multi-role intelligence, surveillance, reconnaissance and attack missions with its high payload capacity and provides operational flexibility beyond the line of sight with its SATCOM payload.</p> <p>Aksungur can carry up to 750 kilograms (1,654 pounds) of payload and is capable of long-endurance operations at an altitude of up to 40,000 feet.</p> <p>The UAV, which made its first flight in 2019, has been integrated with three different EO/IR (Electro-Optical/Infra-Red) cameras, two different SATCOM Teber laser guidance equipment by Roketsan, locally developed Precision Guidance Kit-82s (HGK-82) and the domestic engine PD170. The drone previously carried and test-fired MK-82 ammunition with a Teber guidance kit weighing around 250 kilograms (550 pounds). It was the first drone to use Teber.</p>
tass.com 05.08.2021	RUS: Russia's defense chief expects work on latest strike drone to be completed by 2022	Russia's Defense Ministry expects the work on the latest Okhotnik heavy strike drone to be completed by 2022, and the opportunity to sign a large-scale contract for the delivery of the drone to Russian troops, Defense Minister Sergei Shoigu said on Thursday.
defenseworld.net 02.08.2021	GRC: Greece Completes Trials of Schiebel's CAMCOPTER S-100 UAS	The Hellenic Navy completed trials of the CAMCOPTER S-100 Unmanned Air System (UAS) manufactured by Schiebel. The trials were held on board of the Elli-Class Frigate Aigaion (F-460) in the Mediterranean Sea west of Crete. The Range, endurance and speed, as well as maritime surveillance and detection capabilities of the CAMCOPTER S-100 were exhibited to the Hellenic Navy during the demonstration flights, the company said in a release Monday. The event also included day and night take-offs and landings, cooperation with other Hellenic Navy vessels, maritime traffic monitoring and coast observation. Schiebel's CAMCOPTER S-100 UAS is a Vertical Takeoff and Landing (VTOL) UAS and requires no prepared area or supporting equipment to enable launch and recovery. It has beyond line-of-sight capability out to 200 km / 108 nm, over land and sea. It has a service ceiling of 5,500 m / 18,000 ft. In a typical configuration, the CAMCOPTER S-100 carries a 34-

		<p>kg / 75-lbs payload up to 10 hours and is powered with AVGas or JP-5 heavy fuel. High-definition payload imagery is transmitted to the control station in real time. In addition to its standard GPS waypoint or manual navigation, the S-100 can successfully operate in environments where GPS is not available, with missions planned and controlled via a simple point-and click graphical user interface.</p> <p>In December of 2020, the French Navy procured two CAMCOPTER S-100 systems consisting of four Unmanned Air Vehicles (UAVs) for deployment on the Mistral-class amphibious helicopter carriers.</p>
<p>asiatimes.com 31.07.2021</p>	<p>USA Army: A Raytheon Coyote just defeated a drone swarm</p>	<p>The US Army might just have the answer to drones, and even worse, drone swarms. A reusable Coyote Block 3 “non-kinetic warhead effector” successfully defeated a swarm of drones during a US Army test at Yuma Proving Ground in Arizona. Rather than utilizing contact projectiles such as bullets, the Coyote used electronic or directed energy systems, its developer Raytheon Missiles & Defense, said. “Non-kinetic” refers to systems that defeat hostile unmanned aerial vehicles (UAVs) without using a physical projectile of any kind. That would typically mean the Coyotes used either an electronic warfare “jammer,” or a form of directed energy like high-powered microwaves. In addition, some of these non-kinetic solutions can engage multiple targets without needing to be rearmed. During the exercise, the US Army’s Coyote non-kinetic warhead engaged with 10 enemy drones of varying sizes, taking down all of them. Credit: Handout. A small missile-like drone, Raytheon’s Coyote can be launched from tube systems. However, the company fell short of disclosing any specifics about what type of non-kinetic technology the Coyote warhead employed. During the exercise, the Coyote engaged with 10 enemy drones of varying sizes, taking down all of them.</p>
<p>defense.gov 30.07.2021</p>	<p>US Army: General Atomics MQ-1C Gray Eagle</p>	<p>General Atomics Aeronautical Systems Inc. was awarded a \$14,791,291 modification (P00015) to contract W58RGZ-18-C-0037 for Gray Eagle full rate production and ground support equipment. Work has an estimated completion date of May 29, 2023.</p>
<p>australiandefence.com.au 30.07.2021</p>	<p>AUS: Triton flies for first time in definitive configuration</p>	<p>The US Navy conducted its first test flight of the MQ-4C Triton in its upgraded hardware and software configuration on July 29 at NAS Patuxent River, beginning the next phase of the unmanned aircraft’s development. The MQ-4C Triton flew in its new configuration, known as Integrated Functional Capability (IFC)-4, which will bring an enhanced multi-mission sensor capability as part of the US Navy’s Maritime Intelligence, Surveillance, Reconnaissance and Targeting (MISR&T) transition plan. The IFC-4 configuration has sensors which include a Northrop Grumman AN/ZPY-3 Multi-Function Active Sensor (MFAS) X-band electronically scanned surveillance radar under the fuselage, Raytheon AN/DAS-3 electro-optic, infra-red (EO/IR) sensor under the nose, Automatic Identification System (AIS) and a Sierra Nevada AN/ZLQ-1</p>

		<p>Electronic Support Measures (ESM) payload for SIGINT gathering. Australia is slated to acquire at least three and possibly seven Triton aircraft in the IFC-4 configuration. In US Navy service, the Triton is designed to replace the Lockheed P-3C Orion maritime patrol aircraft (and complement the Boeing P-8A Poseidon). It will also replace the US Navy EP-3E Aeries signals intelligence (SIGINT) platform, meaning the aircraft will provide Australia with a significant SIGINT capability beyond that offered by the current AP-3C (EW) Orions and future MC-55A Peregrine fleets.</p> <p><i>(Ergänzende Information northropgrumman.com vom 30.07.2021: The U.S. Navy is currently operating two Tritons in the Pacific region in the baseline configuration as part of an early operational capability deployment. The Triton program expects to achieve IOC in 2023, and the Navy will eventually maintain five 24/7 operational orbits with a planned 68-aircraft program of record.)</i></p> <p><i>(Systembeschreibung mit Videos abrufbar unter:</i> https://www.northropgrumman.com/what-we-do/air/global-hawk/<i>)</i></p>
afri.af.mil 29.07.2021	USAF: AFRL's drone killer, THOR will welcome new drone "hammer"	<p>The Air Force Research Laboratory's Directed Energy Directorate is seeking partners to build a new counter electronics weapon system, to defend against the ever increasing threat of adversarial drone activity. Building upon the success of the Tactical High-Power Operational Responder (THOR) technology demonstrator, AFRL is building an advanced high-power microwave (HPM) weapon system to bring their newest technology to bear against the growing threat from unmanned aircraft. "The new prototype will be called Mjolnir, after the mythical Norse god, Thor's hammer," said Amber Anderson, THOR program manager. "Because THOR was so successful, we wanted to keep the new system's name in the THOR family." The AFRL team working from Kirtland Air Force Base are experts in High-Power Electromagnetics technology. The THOR demonstrator used bursts of intense radio waves to disable small unmanned aircraft systems (sUAS) instantly. "As the danger from drone swarms evolves, all services are working closely to ensure emerging technologies like Mjolnir, will be ready to support the needs of warfighters already engaged against these threats. The program will begin this fall with a delivery of the prototype weapon in 2023," said Adrian Lucero, THOR deputy program manager.</p>
defense.gouv.fr 29.07.2021	FRA: CHAMMAL: New technology at the service of the anti-	<p>New equipment recently received by the Anti-Drone Detachment (LAD), the Autonomous Anti-Drone Jammer (BADA) complements the equipment set up for the benefit of the personnel of the protection detachment on the Projected Air Base (BAP) in the Levant. With a capability to defend against drones, the jammer rifle responds to the emergence of a current threat.</p>

	drone fight in the Levant	(Vollständiger Beitrag abrufbar unter: https://www.defense.gouv.fr/air/actus-air/chammal-nouvelle-technologie-au-service-de-la-lutte-anti-drone-au-levant)
		Bewaffnung und weitere Nutzlasten
upi.com 10.08.2021	USAF: Squadron conducts first F-15C live test fire using IRST-cued AIM-120 missile	<p>The 85th Test and Evaluation Squadron has test fired its first Infrared Search-and-Track system-cued AIM-120 missile from an F-15C eagle, the U.S. Air Force announced on Tuesday. The Air Force F-15C jet fighter aircraft was equipped with Lockheed Martin's Legion Pod IRST Block 1.5 system, which allowed it to fire an AIM-120 Advanced-Medium-Range-Air-to-Air Missile to successfully hit a QF-16 aerial target on Thursday. The IRST passive target tracking capability was used with the AN/APG-63(V)3 radar. "This successful live missile test is significant because an F-15 equipped with an IRST-cued AIM-120 allows us to achieve detection, tracking, weapons employment, and verification of an intercept without being dependent upon RADAR energy," Davis said. "This proves the capabilities of the U.S. Department of Defense and U.S. Air Force to lethally target an aircraft outside of the traditional radar electromagnetic spectrum," said Lt. Col. Jacob Lindaman in the release.</p> <p><i>(Ergänzende Information thedrive.com vom 10.08.2021: The Legion Pod-equipped F-15C has already proven itself in tests when employing the shorter-ranged AIM-9X Sidewinder, but not the AIM-120 AMRAAM, which is the Eagle's beyond-visual-range weapon.)</i></p>
tass.com 10.08.2021	RUS: Russia's Aerospace Force receives about 30 aircraft and helicopters in 2021	The Russian Aerospace Force also received 32,000 aircraft-launched munitions, Deputy Defense Minister Alexei Krivoruchko said on Tuesday, 09.08.2021.
raf.mod.uk 06.08.2021	RAF: Torpedo first for Royal Air Force Poseidon sub-hunter	In a training flight conducted over the Moray Firth a Poseidon (P-8A) aircraft operated by 120 Squadron, based at RAF Lossiemouth, dropped a recoverable exercise variant of the Mark 54 Lightweight Torpedo, simulating an attack on a submarine. Five Poseidon MRA1s are based at RAF Lossiemouth with a further four set to be delivered by the end of this year. The Poseidon is fitted with advanced, state-of-the-art, Anti-

		Submarine Warfare and Anti-Surface Warfare sensors which will provide global protection to UK, NATO and our Allies' submarines and warships in an increasingly dangerous world.
northropgrumman.com 06.08.2021	USAF: Northrop Grumman to Provide US Air Force with Countermeasure Flares	Northrop Grumman Corporation will provide the U.S. Air Force with its high-performance MJU-73/B and MJU-62A/B infrared countermeasure flares. The company's next-generation countermeasures will help protect large aircraft and helicopters from advanced surface-to-air and air-to-air missiles. These newly developed countermeasure flares simulate an aircraft's heat signature to divert infrared missiles away from the vehicle and decrease the odds of being struck. The MJU-73/B and MJU-62A/B infrared countermeasure flares build upon a more than 50+ year history of protecting aircrews, and will serve as an integral component of the suite of protective measures used by the military to increase aircraft survivability.
airforcemag.com 05.08.2021	USAF: As Air Force Ramps Up JASSM, Work Begins on its Replacement	<p>"Preliminary" discussions and "early development work" about how to pursue the next long-range conventional stealth missile are underway, even as the Air Force ramps up production of the AGM-158 Joint Air-to-Surface Standoff Missile, or JASSM, said Brig. Gen. Heath A. Collins, head of the service's armament directorate. The Air Force got 400 of the missiles in its enacted fiscal 2021 budget after buying 390 in 2020. The service requested 525 in its 2022 budget proposal.</p> <p>The JASSM-ER (extended range) is the preferred version. The Air Force only has a "small ramp-up" planned for the Long-Range Anti-Ship Missile (LRASM) variant of JASSM, Collins said. He declined to say why the service is only buying a small handful of LRASMs, saying only that requirements are determined by the Air Staff. Not as many Long-Range Anti-Ship Missiles will be needed as Joint Air-to-Surface Standoff Missiles because "of the target set we're going after."</p> <p><i>(Vollständiger Beitrag abrufbar unter:</i> https://www.airforcemag.com/air-force-ramps-up-jassm-work-begins-on-replacement/<i>)</i></p>
airforcemag.com 05.08.2021	USAF: Stand-in Attack Weapon (SiAW)	The Air Force is finalizing its acquisition strategy on the Stand-in Attack Weapon (SiAW) and will "move out on that later this year," Brig. Gen. Heath A. Collins, head of the service's armament directorate said. Although the program started out as a variant of the Northrop Grumman AGM-88G Advanced Anti-Radiation Guided Missile, Collins said the plan will be to open the program up to "a competitive contract." The AGM-88G is the Navy's successor to the High-speed Anti-Radiation Missile (HARM). Although SiAW will be a stand-in weapon, Collins explained that the "extended range" means it can go farther than the initial Advanced Anti-Radiation Guided Missile, but that he could not discuss ranges. "ER on AARGM means something different than ER on

		JASSM,” he offered. Collins said he’s heard the term “fifth-generation weapons for fifth-generation aircraft” but could not bound the term, saying he thinks of hypersonic missiles as the next generation of weapons. Practically all other munitions in USAF’s inventory are being fitted to, or designed to fit in, the F-35, he said, so they all could, technically, be considered “fifth-generation weapons.”
the-japan-news.com 04.08.2021	JPN: Japan likely to scrap plans to procure U.S.-made anti-ship missiles	The Defense Ministry is considering scrapping plans to procure U.S.-made long-range anti-ship missiles (LRASM) that were to be loaded on the Air Self-Defense Force’s F-15 fighter jets to improve their capabilities, sources said. A drastic increase in costs presented by the developer prompted the move, according to the sources. The ministry instead plans to make improvements to a domestic long-range missile under development that is based on the Type 12 Surface-to-Ship Missile System (12SSM). The upgraded missile will be loaded on F-2s and other fighters. Japan’s electronic warfare capabilities will also be upgraded and U.S.-made Joint Air-to-Surface Standoff Missiles (JASSM) will be introduced.
defense.gov 03.08.2021	USAF: New air to ground AGM-158 JASSM B-2 missile variant	Lockheed Martin Missiles and Fire Control, Orlando, Florida, has been awarded a cost-plus-fixed-fee contract modification (P00023), increasing the face value of contract FA8682-18-C-0009, Group One Joint Air-to-Surface Standoff Missile (JASSM) development, by \$21,781,695. This modification provides for the change in the work and contract type necessary to develop the new air to ground (AGM-158) JASSM B-2 missile variant. Work is expected to be completed by June 28, 2024.
defense.gov 03.08.2021	USN: Anti-Radiation Missile AGM-88	Alliant Techsystems Operations LLC is awarded a \$94,880,370 firm-fixed-price contract. This contract procures full rate production of Lot 10 Advanced Anti-Radiation Guided Missiles (AARGM), to include conversion of 87 U.S. government-provided AGM-88B High Speed Anti-Radiation Missiles (HARMs); and 40 Germany Air Force-provided AGM-88B HARMs into 127 AGM-88E AARGM All-Up-Rounds, and related supplies and services necessary for their manufacture, spares, and fleet deployment in support of F/A-18C/D, F/A-18E/F, and EA-18G aircraft for the Navy and Foreign Military Sales (FMS) customers. Work is expected to be completed in March 2024. <i>(Ergänzende Information defenseworld.net vom 03.08.2021: The AGM-88E AARGM is a follow-on to the US Navy’s AGM-88 High-Speed Anti-Radiation Missile (HARM). The Advanced Anti-Radiation Guided Missile (AGM-88E) is deployed by the US Navy, US Marine Corps and Italian Air Force.)</i>

<p>taiwannews.com.tw 03.08.2021</p>	<p>TWN: Taiwan finishes operational evaluations of improved Sky Sword II missile</p>	<p>Military officials on Tuesday 03.08.2021 said the National Chung Shang Institute of Science and Technology (NCSIST) has completed combat operational evaluations of an improved version of the Sky Sword II air-to-air missile. Military officials said that NCSIST has increased the missile's range from 60 km to 80 km under "Project Running Sword," which deters Chinese military aircraft from flying too close to Taiwan, CNA reported. They added that the Air Force will soon mass-produce this new variant of the Sky Sword missile to enhance the combat capability of its fleet of Indigenous Defense Fighters (IDF). IDFs are currently the main aircraft used by the Air Force to engage with Chinese military planes that intrude into Taiwan's air defense identification zone. They are mostly all stationed in Tainan and Taichung, with some IDFs taking turns to be deployed in Penghu from April to September each year, per CNA.</p>
<p>tass.com 03.08.2021</p>	<p>RUS: Russia developing new Kh-95 long-range hypersonic missile</p>	<p>Russia is developing the Kh-95 new long-range hypersonic missile for its Aerospace Force, Chief of the Military Academy of the Russian General Staff Colonel-General Vladimir Zarudnitsky wrote in an article published in Military Thought magazine on Tuesday. "Today supremacy in the aerospace is a vital condition for ground and naval groupings of troops (forces) to conduct combat operations successfully," the article reads. "For this purpose, Russia is developing and accepting such advanced and upgraded armaments, military and special hardware for service in its Aerospace Force as the Tu-160M strategic missile-carrying bomber, the Kinzhal airborne hypersonic missile system and long-range air-launched precision weapons, in particular, the Kh-95 hypersonic missile," Zarudnitsky wrote.</p>
<p>bmvg.de 02.08.2021</p>	<p>DEU: Eurofighter mit modernster Rakete der Welt</p>	<p>Das Taktische Luftwaffengeschwader 74 der Luftwaffe übernimmt im Zusammenhang mit einem der modernsten Luft-Luft-Lenkflugkörper der Welt eine tragende Rolle. Als erstes Geschwader haben die Neuburger mit Eurofightern Flugversuche mit METEOR unternommen – ein bedeutender Schritt auf dem Weg zur Einsatzbereitschaft des Allrounders für den Fernkampf in der Luft. Mit METEOR wird der Waffenmix komplettiert. Somit verfügt zukünftig jeder Eurofighter je nach Erfordernis über die optimale Bewaffnung. Damit sind die Pilotinnen und Piloten effektiver, flexibler und variabler in ihren Handlungsmöglichkeiten im Einsatz. Denn je nach Notwendigkeit können sie nun auch durch eine Kombination der verschiedenen Bewaffnungen individuell auf unterschiedliche Szenarien reagieren. Für mehr Sicherheit im deutschen Luftraum und im Luftraum unserer Verbündeten.</p> <p><i>(Ergänzende Information defbrief.com vom 02.08.2021: The 180-kg Meteor is a ramjet missile capable of travelling at speeds of around Mach 4 and hitting targets at distances of over 100 kilometers. The missile is built by MBDA as prime contractor under an international project. The UK, France, Germany, Italy, Spain, and Sweden are all involved. Germany plans to have all of its Eurofighters equipped with the capability to launch Meteor missiles, which are similar in dimensions to the AMRAAM currently carried. Only minor modifications to the eject launchers are required. In</i></p>

		<p><i>addition to Meteor and AMRAAM, German Eurofighters can also carry IRIS-T (Infra Red Imaging System Tail/Thrust Vector-Controlled) short-range infrared homing air-to-air missiles.)</i></p> <p><i>(Technische Beschreibung Meteor abrufbar unter: https://www.mbd-systems.com/product/meteor/)</i></p>
<p>defenseworld.net 02.08.2021</p>	<p>BAE Systems Reveals Next-Gen APKWS Guidance Kits for Rocket Systems</p>	<p>BAE Systems has developed an advanced version of its APKWS guidance kit which aims at increasing the effective range of APKWS guided rockets. The upgrade reportedly improves the effective range of APKWS guided rockets by up to 30%. The system provides the ability to engage targets at a steeper angle of attack and provided optimized attack trajectory, improvements in the first-shot success against stationary and moving targets, the company said in a statement Monday. The upgraded guidance kit also qualifies a single variant of the weapon for rotary-wing and fixed-wing aircraft across the U.S. armed forces customers. APKWS is the U.S. government's only program of record for guiding 2.75-inch laser-guided rockets. Initial production of APKWS block upgrade guidance kits will start in Q3 2021.</p> <p><i>(Ergänzende technische Informationen APKWS abrufbar unter: https://www.baesystems.com/en-us/product/apkws-laser-guided-rocket)</i></p>
<p>northropgrumman.com 02.08.2021</p>	<p>USN: Northrop Grumman's Advanced Anti-Radiation Guided Missile Extended Range Completes First Successful Missile Live Fire</p>	<p>The U.S. Navy has successfully completed the first live fire of the AGM-88G Advanced Anti-Radiation Guided Missile Extended Range (AARGM-ER) from a U.S. Navy F/A-18 Super Hornet. The test was conducted on July 19 at the Point Mugu Sea Range off the coast of southern California. The missile successfully demonstrated the long range capability of the new missile design. AARGM-ER leverages AARGM with significant improvements in some technology areas. AARGM-ER is being integrated on the Navy F/A-18E/F Super Hornet and EA-18G Growler aircraft as well as the Air Force F-35A, Marine Corps F-35B, and Navy and Marine Corps F-35C aircraft. By leveraging the U.S. Navy's AGM-88E AARGM program, currently in Full Rate Production, the AARGM-ER with a new rocket motor and warhead will provide advanced capability to detect and engage enemy air defense systems.</p> <p><i>(Factsheet AARGM abrufbar unter: https://www.navair.navy.mil/product/aargm)</i></p> <p><i>(Ergänzende Information AGM-88G mit Illustrationen und Video F-18/AGM-88 abrufbar unter: https://www.thedrive.com/the-war-zone/41798/first-live-fire-test-of-navys-new-long-range-anti-radiation-missile-was-a-success)</i></p>

<p>upi.com 30.07.2021</p>	<p>USAF: Hypersonic missile booster rocket of the AGM-183 ARRW fails to ignite in test</p>	<p>In a test of a hypersonic booster rocket, a test rocket was successfully released from a B-52H bomber but failed to ignite, the U.S. Air Force said this week. The test of the rocket propelling the AGM-183A Air-Launched Rapid Response Weapon was its second, and occurred on Wednesday at Edwards Air Force Base, Calif. An Air Force statement on Thursday said that the booster test rocket, identified as BTV-1b, was released over the Point Mugu Sea Range. While the missile separated from the airplane carrying it, and demonstrated its capability to quickly acquire GPS capability and disconnect and transfer power from the aircraft to the missile, the rocket motor did not ignite. The ARRW program's mission is to bring reliability to the AGM-183 ARRW, designed to deliver a warhead at up to five times the speed of sound. Hypersonic weapons can evade traditional missile defense systems, in addition to their unprecedented speed, and additional development efforts include defensive measures against an enemy's hypersonic capabilities. "The program continues to track toward fielding a hypersonic capability in the early 2020s," the Air Force statement on Thursday added. Russia, China and the United States are all racing to deploy the missiles. Three weeks ago a prototype (of a conventional) hypersonic missile warhead was successfully detonated for the first time in a ground test at Eglin Air Force Base, Fla.</p> <p><i>(Ergänzende Information AGM-183 ARRW: The AGM-183A is a developmental boost-glide hypersonic missile to provide future, nonnuclear strike against time-sensitive, heavily defended, high-value targets from standoff range. The missile is designed to accelerate to speeds well in excess of Mach 5 before releasing a non-powered glide vehicle which maneuvers to the intended target. USAF completed a series of seven captive flight-tests utilizing an instrumented test article on a B-52H at Edwards, culminating in an aborted boost-test in December 2020. The service now plans to conduct the first boost-test from a B-52 in early FY21, accelerating a dummy glide vehicle over the Point Mugu Test Range. The service is procuring eight prototype AGM-183s to support testing and a potential early-operational capability. AFGSC plans to operationally deploy the weapon on the B-52 and B-1 as early as 2022, with possible, later integration on the F-15E/EX.)</i></p>
<p>defense.gov 30.07.2021</p>	<p>US Army: AGM-179 JAGM</p>	<p>Lockheed Martin Missiles and Fire Control was awarded a \$13,530,443 modification (P00071) to contract W31P4Q-18-C-0130 for the procurement of Joint Air-to-Ground Munitions. Work has an estimated completion date of Sept. 30, 2024.</p>

		Air Power
alarabiya.net 13.08.2021 03:53 AM GEST	SAU/HOUTHİ: Saudi Arabia intercepts explosive Houthi drone targeting Khamis Mushait	Saudi Arabia's air defenses have intercepted and destroyed an explosive drone launched by the Iran-backed Houthi militia towards Khamis Mushait, the Arab Coalition said. "The Houthi militia deliberately targeted civilians and civilian infrastructure. We are dealing with the threats firmly to protect civilians from hostile attacks," the Arab Coalition said in a statement
taiwannews.com.tw 12.08.2021 18:08	TWN/CHN: 4 Chinese fighter jets, 2 spy planes penetrate Taiwan's ADIZ	On Thursday, the Ministry of National Defense (MND) reported that one Shaanxi Y-8 electronic warfare plane (Y-8 EW), one Shaanxi Y-8 electronic intelligence plane (Y-8 ELINT), and four Shenyang J-16 fighter jets penetrated into the southwestern corner of Taiwan's ADIZ.
reuters.com 12.08.2021	ISR/LBN: Israel says it downed Hezbollah drone that crossed from Lebanon	The Israeli military said on Thursday it downed a drone belonging to the Lebanese Hezbollah group that crossed into Israeli airspace from Lebanon. In a brief statement, it said the incident occurred on Wednesday. "Our troops monitored and successfully downed the drone," the military said. "We will continue to operate in order to prevent any attempt to violate Israeli sovereignty." The statement gave no technical details about the drone, but Israeli media reports said it was unarmed and likely on a reconnaissance mission.
tass.com 12.08.2021	RUS/NATO: NATO's spy planes intensify flights over Black Sea threefold	NATO's reconnaissance aircraft intensified flights in the airspace over the Black Sea almost threefold this year, Commander of the Russian Southern Military District's 4th Air Force and Air Defense Army Nikolai Gostev said on Thursday. "Compared to last year, the intensity of NATO reconnaissance aircraft flights over the Black Sea has increased almost threefold. For the sake of comparison, the aircraft of our Western 'partners' performed 270 reconnaissance flights in 2019, about 530 in 2020 and over 560 since the start of this year in the southern area of responsibility," the paper quoted the commander as saying. French warplanes and also tactical aircraft of the NATO allied forces joined the flights of US spy planes and drones, he said.
taiwannews.com.tw 12.08.2021 09:40	TWN/CHN: Chinese electronic intelligence plane enters Taiwan's ADIZ	A single People's Liberation Army Air Force (PLAAF) Shaanxi Y-8 electronic intelligence aircraft flew into the southwest corner of Taiwan's ADIZ, according to the Ministry of National Defense (MND). In response, Taiwan sent aircraft, broadcast radio warnings, and deployed air defense missile systems to track the plane. So far this month, Beijing has sent a military plane into Taiwan's identification zone on Aug. 8 and 11. Both aircraft

		were slow-flying turboprops, the first being an anti-submarine warfare variant, and the latest an electronic intelligence variant.
taskandpurpose.com 10.08.2021	USAF/AFG: The US is sending B-52s and AC-130 gunships back in Afghanistan to slow its impending collapse	<p>The security situation in Afghanistan is so bad that the U.S. Air Force has brought out some of its biggest guns in an attempt to stop the Taliban's blitzkrieg throughout the country. The U.S. Air Force has committed B-52 bombers and AC-130 gunships to support Afghan forces on the ground, Task & Purpose has confirmed. The Times of London was first to report about those U.S. aircraft being used to conduct airstrikes in Afghanistan. No information was immediately available on how many airstrikes the B-52s and AC-130s have carried out recently.</p> <p><i>(Ergänzende Information voanews.com vom 10.08.2021: U.S. airstrikes are helping to blunt Taliban advances across Afghanistan, although Pentagon officials warn American air power alone will not be enough to push back the insurgent offensive. For weeks, the United States has been launching "over-the-horizon" strikes from its Al Udeid Air Base in Qatar and from its carrier strike group in the Persian Gulf, hitting Taliban targets with a heavy mix of AC-130 gunships and MQ-9 Reaper drones. But there have been questions regarding the effectiveness of the strikes, with Taliban officials claiming the group has captured seven provincial capitals over the past five days, and tweeting Tuesday that an eighth capital, Faizabad, in Afghanistan's Badakhshan province, was about to fall.)</i></p>
alarabiya.net 09.08.2021 06:09 AM GST	SAU/HOUTHİ: Saudi Arabia intercepts two explosive Houthi drones targeting Khamis Mushait	Saudi Arabia's air defenses have intercepted and destroyed two explosive drones launched by the Iran-backed Houthi militia towards Khamis Mushait, the Arab Coalition said early on Monday. "The Houthi militia deliberately targeted civilians and civilian infrastructure. We are dealing with the threats firmly to protect civilians from hostile attacks," the Arab Coalition said in a statement.
@200_zoka 08.08.2021	Shot down of a Georgien Hermes 450 UAV	Old but still gold: Russian MiG 29 shot down Georgien Hermes 450 UAV
defenseworld.net 07.08.2021	AFG: Air Strikes Kill 30 Pakistan-Affiliated Al-Qaeda Terrorists	In an airstrike conducted by the Afghanistan Air Force on Friday, 112 members of the Taliban group including 30 Pakistanis affiliated to Al-Qaeda network were killed. The Afghanistan Ministry of Defense confirmed the development in a statement. "112 Taliban terrorists including 30 Pakistani affiliated to Al-Qaeda terrorist network for Indian subcontinent, were killed and 31 others wounded in airstrikes conducted by AAF at the outskirts of Lashkargah city, Helmand provincial center, yesterday," the ministry tweeted Friday afternoon.

		<p>The Afghanistan MoD added that 6 enemy vehicles, 2 motorbikes and a stockpile of the Taliban's weapons, ammunition & equipment were also destroyed in the airstrikes. In a series of tweets today, the ministry said over 400 more Taliban militants were killed in the AAF strikes. As the United States inches closer to a full troop drawdown from Afghanistan under a peace deal signed with Taliban in February 2020, the latter has ramped up violent attacks in the country.</p> <p>(Ergänzende Information military.com vom 10.08.2021: The United States showed no sign Monday of stepping up airstrikes in Afghanistan despite accelerating Taliban gains there. A Pentagon spokesman emphasized that Americans now see the fight as one for Afghan political and military leaders to win or lose. President Joe Biden has said he is honoring a withdrawal deal that President Donald Trump struck with the Taliban. But Biden has made clear he also is determined to extract U.S. forces from their longest war. The U.S. is continuing to launch airstrikes from other locations in the region to try to help Afghan ground forces knock back Taliban fighters emboldened by the U.S. withdrawal. There are no U.S. strike aircraft in Afghanistan, as the U.S. troop withdrawal continues. So, U.S. warplanes are traveling from several hours away to reach their targets. Pentagon spokesman John Kirby refused to say how many airstrikes U.S. aircraft have done in recent days. And he declined to say whether the Biden administration might continue the airstrikes past Biden's Aug. 31 withdrawal date, given the Taliban advance. In the meantime, "we will continue to support them ... where and when feasible, understanding that it's not always going to be feasible," Kirby said of Afghan government and military leaders. The Biden administration says it will continue to support the Afghanistan military financially and logistically, including with contractors helping maintain the government's air force, from outside Afghanistan, after the withdrawal.)</p>
<p>reuters.com 07.08.2021</p>	<p>AFG: Afghan Air Force pilot killed in Kabul bombing, attack claimed by Taliban</p>	<p>An Afghan Air Force pilot was killed by a bomb in Kabul on Saturday, officials said, in an attack claimed by the Taliban. The pilot, Hamidullah Azimi, died when a sticky bomb attached to his vehicle detonated, officials said, adding that five civilians were wounded in the explosion. Azimi was trained to fly U.S.-made UH60 Black Hawk helicopters and had served with the Afghan Air Force for almost four years, the force's commander, Abdul Fatah Eshaqzai, SAID. Reuters was first to detail a Taliban campaign to assassinate pilots off-base that Afghan officials say claimed the lives of at least seven Afghan pilots before Saturday's killing.</p>
<p>reuters.com 07.08.2021 04:20 AM CEST</p>	<p>ISR/GAZA: Israel strikes Hamas sites in Gaza in</p>	<p>Israeli aircraft bombed Hamas sites in the Gaza Strip on Saturday in response to incendiary balloons launched from the Palestinian enclave, Israel's military said. There were no immediate reports of casualties or damage from the strike that targeted what the military said was a rocket launching site and a compound belonging to Hamas, the Islamist group that rules Gaza. Hamas had no immediate comment.</p>

	response to fire balloons – military	
jpost.com 06.08.2021 14:48	ISR/LBN: Hezbollah fires rockets into Israel from Lebanon	<p>A heavy barrage of close to 20 rockets were fired from Lebanon into northern Israel on Friday, activating the Iron Dome and setting off sirens throughout the area. Hezbollah claimed responsibility for the rocket attacks, saying that “at 11.15AM the Islamic Resistance responded to the Israeli aggression by targeting the vicinity of Israeli enemy posts in Shebaa Farms with dozens of rockets fired from woodlands that are far from residential areas.” The Iron Dome missile defense system intercepted 10 rockets, with 6 falling in open areas near Har Dov on the Lebanese border. The others fell inside Lebanon.</p> <p><i>(Ergänzende Information jpost.com vom 06.08.2021 21:55 PM: A video released by the Hezbollah affiliated al-Manar television channel on Friday evening documents the firing of 19 rockets in the direction of the Israeli border and the Golan Heights earlier in the day. The IDF responded to the attacks with artillery fire towards the Mount Dov-Shebaa Farms area in Lebanon, where the rocket fire originated from.)</i></p> <p><i>(Ergänzende Information ynetnews.com vom 08.06.2021 13:34 PM: Israel said Friday that it had no wish for an escalation on the northern border after Hezbollah fired a barrage of rockets from Lebanon in what it called retaliation for an IAF strike in the early hours of Thursday. Speaking to the media following a meeting between Prime Minister Naftali Bennett, Defense Minister Benny Gantz, IDF Chief of Staff Aviv Kochavi and other security officials, an army spokesman said that Hezbollah had deliberately fired the rockets at open areas and not populated cities like Kiryat Shmona. "We have no interest in intensifying the conflict or in starting a war, but we will not let the border area become an active front line," a spokesman said, adding that the IDF will maintain its superiority in the air over southern Lebanon.)</i></p>
raf.mod.uk 06.08.2021	RAF: RAF Typhoons scrambled to monitor Russian aircraft approaching UK airspace	<p>Quick Reaction Alert Typhoons were scrambled from RAF Lossiemouth in the north of Scotland and were joined by a Voyager from RAF Brize Norton to provide air-to-air refuelling to the Typhoons. A pair of TU-142 ‘Bear-F’ Maritime Reconnaissance and Anti-submarine warfare aircraft were tracked by NATO as they transited within NATO’s northern air policing area. As they continued to fly towards UK airspace, RAF Typhoons were launched. Intercepting the two cold war era aircraft over the North Sea, the RAF Typhoons shadowed the aircraft throughout their time in our area of interest.</p> <p><i>(Ergänzende Information raf.mod.uk vom 06.08.2021: Operating from the Romanian Mihail Kogalniceanu Air Base near Constanta on the Black Sea coast, RAF Typhoons on the NATO Enhanced Air Policing mission scrambled on 5th August as NATO radars detected Russian aircraft in international airspace over the southern Black Sea. The aircraft were heading towards Romanian airspace.)</i></p>

<p>reuters.com 05.08.2021 01:39 AM CEST</p>	<p>ISR/LBN: Israeli aircraft strike rocket launch sites in Lebanon, military says</p>	<p>Israeli aircraft struck what its military said were rocket launch sites in south Lebanon early on Thursday in response to earlier projectile fire towards Israel from Lebanese territory. Two rockets launched from Lebanon on Wednesday struck Israel, which responded with artillery fire amid heightened regional tensions over an alleged Iranian attack on an oil tanker in the Gulf last week. There was no claim of responsibility for the rocket strike, launched from an area of south Lebanon under the sway of Iranian-backed Hezbollah guerrillas. There were no casualties. In a further response to the rocket fire, the Israeli military said on Thursday that its "fighter jets struck the launch sites and infrastructure used for terror in Lebanon from which the rockets were launched." An additional target in the area that was a source of rocket fire in the past was also struck, the military said. Hezbollah's Al-Manar TV said that Israeli warplanes had carried out two raids in the outskirts of the Lebanese town of Mahmudiya, about 12 km (7.5 miles) from the Israeli border. The border has been mostly quiet since Israel fought a 2006 war against Hezbollah, which has advanced rockets. But small Palestinian factions in Lebanon have fired sporadically on Israel in the past, including two rockets launched towards Israel in July.</p> <p><i>(Ergänzende Information jpost.com vom 05.08.2021 03:24 AM: The IDF statement confirmed that the air force targeted areas "from which rockets were fired during the day at the State of Israel...another target was also attacked in the area from which rockets were fired in the past.</i></p> <p><i>(Ergänzende Information ynetnews.com vom 05.08.2021 23:39 PM: The rockets were fired from an area north of the Litani River, near the town of Mahmoudiya, which is controlled by the Iran-backed Hezbollah terror group. A narrow road leading to the village was used to launch the attack, targeting the Israeli border city of Kiryat Shmona just a few kilometers away.</i> <i>The road was bombarded in the subsequent IAF airstrike, cutting access to the town where steep and rocky terrain makes any alternative access impossible. The bombed road is a vital transportation route in the Marjayoun district and also favored as a launching pad for attacks by Palestinian factions. In 2008, then-IDF chief of staff Gadi Eisenkot instituted what he called the Dahiya Doctrine, named after the Dahiya neighborhood of Beirut, a Hezbollah stronghold, which was severely damaged by the IDF during the war. The doctrine encompasses the use of asymmetrical warfare to destroy an enemy's infrastructure and Eisenkot warned at the time that a future war between Israel and Lebanon would include the destruction of civilian infrastructure. The recent strike on South Lebanon was a clear indication that the doctrine is alive and well. The road that was destroyed was used by both civilians and militant groups.)</i></p> <p><i>(Ergänzende Information israelradar.com vom 07.08.2021: Israel's enemies tend to mistake Israeli restraint & strategic thinking for weakness. This can lead to painful results. Hezbollah made this mistake in 2006, sparking a war it didn't want. Nasrallah later said he regrets it. Will he make a mistake in 2021...?)</i></p>
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		<p>(Einsatzvideo abrufbar unter: https://www.jpost.com/breaking-news/israeli-air-force-strikes-southern-lebanon-report-675867)</p>
ac.nato.int 03.08.2021	NATO: US F-15 complete NATO Air Policing Deployment to Iceland	US Air Force F-15 fighter jets supporting NATO's Air Policing mission at Keflavik Air Base, Iceland, headed back to Lakenheath Air Base, United Kingdom after their successful deployment to Iceland throughout July. Up until 2006, the US Air Force maintained a permanent force presence in Iceland. Following a NATO Military Committee decision in 2007, Allies deploy several fighter detachments per year to ensure availability of interceptor aircraft for NATO's Air Policing in the area. Since 2008, the US has filled one rotation each year showcasing the Alliance's transatlantic link and solidarity among Allies when it comes to credible deterrence and defence.
rferl.org 01.08.2021	AFG: Taliban Rockets Strike Kandahar Airport	Residents of Afghanistan's second-largest city expressed fear of further Taliban advances on August 1 after at least three rockets struck and disabled Kandahar airport overnight. The Taliban claimed the attack on the airport and said it was aimed at stopping air strikes as a weeks-long campaign continues around Kandahar. Airport officials said the rockets damaged the runway and halted flights but that repair teams were already working on restoring operations. The attack on Kandahar's airport came with Taliban fighters battling in and around two other major Afghan cities: Herat in the west and Lashkar Gah in the south. The fate of all three provincial capitals could be key to whether the Kabul government can maintain control of major cities and much of the rest of the country without international troops, who have been fighting the Taliban for two decades. The Taliban has reportedly captured half the country's districts and several key border crossings.
voanews.com 01.08.2021	SOM/AFRICOM: US Military Targets Al-Shabab in Somalia With More Airstrikes	The United States military has confirmed that it carried out another airstrike against al-Shabab militants, its third in less than two weeks. Sunday's strike was in support of Somali government forces in the vicinity of Qeycad, in the central Galmudug state, according to the U.S. military. "The airstrikes destroyed a large al-Shabab firing position engaging Danab and SNA (Somali National Army) forces as they approached," the statement added. Danab or "lightning" are Somali commandos trained by the U.S. Previous airstrikes took place July 20 and 23 in the same vicinity.
upi.com 30.07.2021	NATO: NATO fighter planes intercept Russian aircraft over Baltic Sea	NATO tracked and intercepted four Russian planes, traveling without flight plans or transponder codes, over the Baltic Sea, the bloc announced on Friday. Aircraft of the Air Policing force, including Eurofighters of Spain's air force and F-35 fighter planes of Italy's based at Amari, Estonia, and Siauliai, Lithuania, scrambled to intercept two Russian Il-22PP MUTE electronic warfare reconnaissance planes, an Su-24 fighter plane and an

		<p>Il-76 transport plane on Thursday. After the Russian planes left Russia's Baltic Sea enclave of Kaliningrad, they were tracked by NATO's Combined Air Operations Center in Uedem, Germany. Although the Russian planes never entered NATO nations' airspace, they nonetheless traveled without identifying themselves or their destination, and "thus posed a potential risk to civilian flights," the NATO statement said.</p> <p><i>(Ergänzende Information defence-blog.com vom 31.07.2021: "The NATO fighters, assigned to NATO's Baltic Air Policing mission, identified two Il-22PP Mute electronic warfare aircraft. The Il-22PP, also known as Porubschik, is an advanced version of Soviet-era electronic warfare aircraft. It was developed by the Experimental Machine-Building Plant. V.M. Myasishchev (under the management of the Aviation Complex named after SV Ilyushin) on the basis of the IL-18 aircraft. According to Russian media, the new aircraft wit is capable of 'blinding' Airborne Early Warning and Control System [AWACS] aircraft. The new Il-22PP Porubshchik can selectively disable enemy equipment using powerful interference while obstructing similar enemy means of electronic warfare. The developers of the Porubshchik's equipment claim that several such devices are capable of disrupting or even paralyzing all enemy actions in the required area.)</i></p>
<p>jpost.com 30.07.2021 22:02</p>	<p>ISR/IRN: Two killed in alleged Iranian drone attack on Israeli-managed ship</p>	<p>Two mariners were killed in an alleged Iranian drone attack on a ship managed by Israeli businessman Eyal Ofer's shipping company in the Northern Indian Ocean on Thursday night, Channel 13 reported. The allegation that Iran used a drone to attack the vessel was made by an unnamed Israeli official on Channel 13. "There is an Iranian terrorist attack here, two innocent people were killed," said the anonymous source, "The Iranians attacked the ship with an unmanned aircraft. An innocent ship with innocent dead." According to Iranian news outlet al-Alam, the attack was in response to an alleged Israeli airstrike which targeted the Dabaa military airport in the Homs governorate of northwestern Syria.</p> <p><i>(Ergänzende Information debka.com vom 30.07.2021 21:59 PM: First Iranian kamikaze drone against Israeli tanker. As tension rises, Gantz vows "appropriate response". It marked Iran's first direct armed drone attack on an Israeli merchant vessel. The drone was identified by a US official as a "one way" drone – although the Americans stayed clear of former incidents of this kind. He added that "other drones took part" indicating a concerted assault. This confirmed an earlier report from the private maritime intelligence firm Dryad Global of a drone sighting around the vessel prior to the attack. Iranian sources, including the Al Alam Arabic language TV channel, reported that the Israeli vessel was attacked in reprisal for Israel's air strike of July 22 against Revolutionary Guards bases at Qusayr, 25km from Aleppo in western Syria. They revealed that a number of Iranians were killed in that strike. (Russian officials claimed that all the missiles fired by Israeli jets in that attack had been intercepted by Russian-made air defense systems.) This was the first time that Tehran had cited Israeli military action in Syria as justification for attacking an Israeli commercial vessel Saudi sources disclosed that on that same Friday night, one of their ships was also attacked with armed drones wielded by Iranian-backed Yemeni Houthi rebels in the Red Sea.)</i></p>

		<p><i>(Ergänzende Information jpost.com vom 31.07.2021 02:21: The attack against the Israeli-owned tanker on Friday was carried out by precision-guided drone missiles and are a step-up in Iran's use of drone warfare.)</i></p> <p><i>(Ergänzende Information reuters.com vom 31.07.2021 01:57 PM CEST: The U.S. Navy is assisting an Israeli-managed petroleum products tanker that was fatally attacked on Thursday off the coast of Oman, the U.S. military said on Saturday, adding the ship was most likely hit by a drone strike. The Mercer Street, a Liberian-flagged, Japanese-owned vessel, is currently being escorted by the aircraft carrier USS Ronald Reagan, the U.S. Central Command said in a statement. "U.S. Navy explosives experts are aboard to ensure there is no additional danger to the crew, and are prepared to support an investigation into the attack," said the Central Command, which oversees American military operations in the Middle East and Central Asia. "Initial indications clearly point to a UAV-style (drone) attack," it added.)</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 01.08.2021 01:23 AM: Israel believes Iran carried out the deadly attack on the oil tanker MT Mercer Street in response to a recent cyber attack supposedly carried out by Israel, according to a report Saturday. The cyberattack in early July caused chaos in the Islamic Republic's train system as hackers posted fake messages about alleged train delays or cancellations on display boards at stations across the country. They also urged passengers to call for information, while listing the phone number of the office of the country's Supreme Leader Ayatollah Ali Khamenei. A Channel 13 news report, which did not cite its sources, claimed Israel assesses Iran was directly responding to those actions. The report further said Iran was also hoping to raise insurance costs for ships with ties to Israel. On Friday, state-owned Iranian news network Al-Alam, citing "well-informed sources," said the attack was in response to a reported Israeli strike in Syria that it said killed "two resistance men" last week. Iran has not officially taken responsibility for the attack.)</i></p> <p><i>(Ergänzende Information jpost.com vom 01.08.2021 15:29: Israel knows with certainty Iran attacked the Mercer Street ship and will respond to it, Prime Minister Naftali Bennett said on Sunday. Bennett's remarks came after Iran denied involvement in Friday's bombing off the coast of Oman, a move that the prime minister called "cowardly." "I determine, with absolute certainty – Iran carried out the attack against the ship," Bennett stated. "The intelligence evidence for this exists and we expect the international community will make it clear to the Iranian regime that they have made a serious mistake.")</i></p> <p><i>(Ergänzende Information voanews.com vom 01.08.2021 04:48 PM: The United States and Britain on Sunday blamed Iran for a drone attack last week on an oil tanker off the coast of Oman that killed two people. "We are confident that Iran conducted this attack," U.S. Secretary of State Antony Blinken said in a statement, while accusing Tehran of increasingly deploying the armed drones throughout the region. British Foreign Secretary Dominic Raab said, "We</i></p>
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		Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance
janes.com 06.08.2021	ITA: Italy confirms plans to develop G550-based C4ISTAR aircraft in co-operation with the US	Italy has confirmed plans to acquire new Gulfstream G550-based multimission aircraft that will be later modified for conformal airborne early warning and control/electronic attack (CAEW/EA) roles via a deal with the United States, the Ministry of Defence (MoD) revealed in the country's latest multi-year planning document (Documento Programmatico Pluriennale: DPP) for 2021–23. The Italian Air Force already fields two G550 CAEW, which it acquired from IAI, Israel. The service has now confirmed plans to develop and field new G550-based C4ISTAR aircraft, with the project extending over two phases for a total budget of EUR2.15 billion (USD2.5 billion).
thedrive.com 05.08.2021	USAF: Curious Mission Flown Over The Baltic Sea By	The U.S. Air Force's lone WC-135W Constant Phoenix "nuke sniffer" aircraft flew an unusual mission over the Baltic Sea today. This plane is typically used to collect air samples to monitor for spikes in radiation levels in the atmosphere, but can also be employed after nuclear weapon tests and atomic accidents to help glean more information about those events and track the potential spread of dangerous radioactive material.

	U.S. Air Force Nuke Sniffing Plane	<p>The WC-135W, which has the serial number 61-2667, carried out the flight, using the callsign Jake 21, from RAF Mildenhall in the United Kingdom, according to flight tracking data from ADS-B Exchange. Constant Phoenix aircraft have regularly used Mildenhall, which also routinely supports operations involving the Air Force's family of RC-135 intelligence, surveillance, and reconnaissance (ISR) aircraft, as a staging point for missions in Europe for years.</p> <p>The aircraft flew east over The Netherlands, Germany, and then Poland, before turning north into the Baltic Sea. Once there, it then flew a pattern over the water, before returning the way it had come. Online flight tracking data indicates that the plane flew for at least a time over the Baltic Sea at relatively low altitudes between 5,000 and 6,000 feet. The jet cruised at between 20,000 and 30,000 feet on its way to and from the area. It's unclear what the purpose of this Constant Phoenix sortie over the Baltic Sea today was.</p> <p><i>(Vollständiger Beitrag abrufbar unter:</i> https://www.thedrive.com/the-war-zone/41850/curious-mission-flown-over-the-baltic-sea-by-u-s-air-force-nuke-sniffing-plane<i>)</i></p>
raf.mod.uk 05.08.2021	RAF: E-3D Sentry aircraft returns to the UK from last operational mission	<p>The E-3D Sentry aircraft flew its final operational sortie on the 30th July over Iraq as part of the counter-Daesh Operation SHADER. The aircraft from 8 Squadron had been deployed to RAF Akrotiri in Cyprus and was the latest and last deployment since 2015. The E-3D Sentry entered RAF service in 1991 as part of the RAF's Intelligence, Surveillance, Targeting and Reconnaissance fleet and was immediately deployed to support Air Operations during the first Gulf War. Since then the Sentry aircraft have been involved in UK operations including Iraq, Afghanistan, Libya, the broader Middle East and the Caribbean, together with a NATO role. The Sentry is also known as the Airborne Warning and Control System or AWACS.</p> <p>The E-3D Sentry will be retired later this year and will be replaced in 2023 by a fleet of three Boeing E-7 Wedgetails that will operate from RAF Lossiemouth in Scotland. During the period between retirement and the Wedgetail becoming operational, the Intelligence, Surveillance, Targeting and Reconnaissance requirements will be covered by a combination of other aircraft and E-3s from our NATO partners.</p>
usni.org 03.08.2021	USN : Navy Plans Upgrades to Fly	<p>With production coming to an end in four years, the Navy is working out a plan to sustain the E-2D Advanced Hawk command-and-control aircraft for at least another 30. Upgrades include cockpit avionics and enhancements to mission systems, communication capabilities and cybersecurity to keep the "eyes of the</p>

	E-2Ds into the 2040s	<p>fleet” open well into 2040 beyond, according to Capt. Pete Arrobio, who heads the Airborne Command and Control Systems Program Office at NAVAIR PMA-231. The E-2D Hawkeye carrier-based, tactical battle-management, airborne early warning and command-and-control aircraft, is the more modern version of the Northrop Grumman-built E-2C.</p> <p>The Navy currently has 48 E-2Ds with four more on the way before the end of calendar 2021. The goal is to get have 22 fully mission capable aircraft in the fleet at all times by Sept 1. That represents a doubling of the “fully” mission capable fleet over the past two years, he said. Since February, the Navy has averaged 29 mission-capable E-2Ds. Four dozen E-2Ds is enough for nine fleet and one fleet readiness squadron, each with five aircraft, Robbio said. Five of those squadrons are in the midst of transitioning from the E-2C to the D-model, which should be complete by fiscal 2027, Robbio said. Two of those squadrons have E-2Ds capable of aerial refueling.</p> <p>While the Navy’s E-2D requirement is 86 aircraft, the service is funded for a total 78 Hawkeyes that should be fielded by 2025.</p> <p>Three of nine E-2Ds have been delivered to the Japanese Self-Defense Force under a second multiyear contract. Japan already has four Hawkeyes in its inventory. France in December signed letter of agreement to purchase three E-2Ds that should be delivered in fiscal 2027. Taiwan and Egypt also are in discussions to field the platform, Robbio said. All four countries already operate the legacy E-2C.</p>
youtube August	ELTA-ELW-2085&2090 - Airborne Early Warning & Control Systems	<p>Erste Einblicke in das Frühwarn-, Führungs- und Aufklärungssystem Gulfstream G550 Nachshon Eitam der IAF (Israeli Air Force).</p> <p><i>(Instruktiver Video abrufbar unter :</i> https://www.youtube.com/watch?v=mLedtSXvOi4<i>)</i></p>
janes.com 02.08.2021	KOR: KAI to support Boeing in upgrading RoKAF's E- 737 AEW&C aircraft	<p>Korea Aerospace Industries (KAI) signed a KRW18 billion (USD15.6 million) contract with Boeing on 28 July to support the US company in upgrading the Republic of Korea Air Force's (RoKAF's) four Boeing E-737 airborne early warning and control (AEW&C) aircraft with new mission systems. The contract includes upgrades to both the identification friend-or-foe (IFF) and Link 16 tactical datalink systems on the aircraft. KAI pointed out that its partnership with Boeing builds upon the experience matured during the ‘Peace Eye’ acquisition programme in 2006 when KAI oversaw the assembly and installation of the Northrop Grumman multifunction</p>

		<p>electronic phased-array (MESA) radar and electronic equipment onto the E-737s ahead of final handover of the aircraft to the RoKAF.</p> <p>Since 2011–12, the RoKAF has fielded four E-737s under its 'Peace Eye' programme.</p>
		Cyber- und Electromagnetic Warfare
<p>taiwannews.com.tw 05.08.2021</p>	<p>CHN : Israeli, Singaporean research firms uncover new targets for Chinese cyber attacks</p>	<p>Reports released this week by Israeli and Singaporean cybersecurity research firms link Chinese threat groups to a number of recent attacks around the world. The revelations come just two weeks after the U.S., EU, and NATO blamed the Chinese state for a wide array of sophisticated attacks on Microsoft Exchange servers earlier this year, and it shows Chinese threat groups are targeting a broad range of countries, not just Western democracies. According to a report released on Tuesday (Aug. 3) by Singapore-headquartered company Group-IB, a cohort of state-sponsored threat groups from China was likely behind a series of attacks against Russian government authorities last year. The recent Annual Cyber Threat Landscape Report by Israeli firm Deep Instinct found an 800% increase in global cyber and ransomware attacks since 2019.</p>
<p>baesystems.com 04.08.2021</p>	<p>BAE Systems to provide critical sustainment support for the F-35 EW system</p>	<p>BAE Systems has received a \$93 million, five-year Undefined Contract Action from Lockheed Martin to provide critical sustainment support for the AN/ASQ-239 electronic warfare (EW) countermeasure system. The contract will ensure the mission readiness of the growing global fleet of F-35 aircraft. Under the contract, BAE Systems will provide software maintenance, depot test equipment support, logistics analysis, obsolescence monitoring, technical field support, and reach back support for the F-35 U.S. Reprogramming Laboratory. The AN/ASQ-239 electronic warfare suite provides real-time situational awareness and superior electronic warfare attack and countermeasure capabilities</p> <p>The contract complements the BAE Systems F-35 performance-based logistics (PBL) program, through which BAE Systems ensures EW material availability. Under the EW PBL, BAE Systems has demonstrated a 60% improvement in supply support, delivering better than 85% EW material availability to the F-35 enterprise with reduced cost per flight hour using a cost-effective, outcome-based support strategy.</p> <p><i>(Ergänzende Information AN/ASQ-239 einschliesslich aufschlussreichen Infographics abrufbar unter: https://www.baesystems.com/en-us/productfamily/electronic-warfare)</i></p>

voanews.com 31.07.2021	USA/RUS: Russians Hacked Federal Prosecutors, US Justice Department Says	The Russian hackers behind the massive SolarWinds cyberespionage campaign broke into the email accounts of some of the most prominent federal prosecutors' offices around the country last year, the Justice Department said. The Justice Department said in a statement Friday that it believes the accounts were compromised from May 7 to Dec. 27, 2020. Such a timeframe is notable because the SolarWinds campaign, which infiltrated dozens of private-sector companies and think tanks as well as at least nine U.S. government agencies, was first discovered and publicized in mid-December.
		Boden- und seegestützte Luftverteidigungssysteme
lockheedmartin.com 09.08.2021	World's Only Combat Proven Hit-To-Kill Interceptors Demonstrate Innovation And Reliability With Successful PAC-3® Flight Tests	<p>In flight tests at White Sands Missile Range on Aug. 9, Lockheed Martin demonstrated new upgrades to its PAC-3 Missile Segment Enhancement (MSE) interceptor and continued reliability of its PAC-3 Cost Reduction Initiative (CRI) interceptor. During the tests, a PAC-3 MSE successfully intercepted a tactical ballistic missile target, validating missile and launcher software and hardware component upgrades. The upgrades, which enable future performance of the PAC-3 MSE interceptor to keep pace against expanding threats of today and tomorrow, will be incorporated into production over the next year.</p> <p>Separately, two PAC-3 CRI missiles each successfully intercepted a tactical ballistic missile target in support of the U.S. Army's Field Surveillance Program (FSP) that confirms the reliability and readiness of fielded PAC-3 missiles. The tests marked the 17th and 18th successful PAC-3 CRI FSP intercepts, reconfirming the missile's ability to detect, track and intercept threats while meeting fielded reliability requirements. The first PAC-3 MSE FSP flight test is scheduled to take place later this year.</p> <p>Fourteen nations have chosen PAC-3 CRI and PAC-3 MSE to provide missile defense capabilities.</p>
defenseindustry- daily.com 10.08.2021	BLR: Belarus To Buy S-400	Belarus wants to buy the Russian S-400 air defense system (ADS) on liberal loan from Russia, said Belarusian President Alexander Lukashenko. According to Lukashenko, the funds of the Russian state loan, which was previously issued for the construction of the BelNPP, (nuclear power plant) can be used to purchase the S-

		400 air defense system and other modern weapons of the Russian Federation. "We saved a lot of money at the nuclear power plant.
dsca.mil 04.08.2021	JPN: RAM Block 2 Tactical Missile	The Government of Japan has requested to buy up to forty-four (44) Rolling Airframe Missiles (RAM) Block 2 Tactical Missiles, RIM-116C. Also included are RAM Block 2 Guidance Control Groups; RAM Guided Missile Round Pack Tri-Pack shipping and storage containers; operator manuals and technical documentation; U.S. Government and contractor engineering, technical and logistics support services; and other related elements of logistics and program support. The total estimated program cost is \$61.5 million. The proposed will provide significantly enhanced area defense capabilities over critical East Asian and Western Pacific air and sea-lines of communication.
hensoldt.net 03.08.2021	Hensoldt modernises short-range air defence identification systems	Hensoldt France is delivering its IFF identification system (IFF= Identification Friend of Foe) , the Mode 5-capable MSR1000I interrogator for GBAD systems to MBDA. An initial order for the delivery of 13 MSR1000I IFF interrogators has been placed by MBDA for very short range air defense applications of undisclosed export customers. The IFF technology is of central importance for all military operations, allowing field commanders to quickly distinguish friendly from hostile forces defense by automatically sending interrogation and response signals. Enhancing security through new cryptographic algorithms, Mode 5 IFF reduces friendly fire casualties and maximizes the combat effectiveness in the air, on land and at sea. MSR1000I is specifically designed for defense against low-altitude air threats, primarily helicopters and low-flying close air support aircraft and can be easily integrated on ground-based stations, vehicles or vessels. With its flexible configuration MSR1000I can be used with a wide range of platforms from man portable version to systems equipped with directional antennas or rotating antennas for a 360° panoramic surveillance. Enhanced with the latest NATO Mode 5 or NSM encrypted modes with universal cryptographic computer compatibility, MSR1000I is a certified solution. More than 200 units are currently under deployment worldwide.
		Boden- und seegestützte Einsatzkräfte, Strategische Kampfmittel und Space Forces
economictimes. indiatimes.com 12.08.2021	PAK: Pakistan successfully test-fires nuclear-	Pakistan on Thursday successfully test-fired a nuclear-capable surface-to-surface ballistic missile which can strike targets up to 290 kilometres, the army said. The successful training launch of ballistic missile Ghaznavi

	capable surface-to-surface ballistic missile Ghaznavi	was aimed at ensuring operational readiness of Army Strategic Forces Command, besides re-validating technical parameters of the weapon system, the army said in a statement.
economictimes. indiatimes.com 11.08.2021	IND: India successfully tests DRDO-developed indigenous technology cruise missile	India has successfully tested the Defence Research and Development Organisation (DRDO)-developed Indigenous Technology Cruise Missile off the coast of Odisha's Balasore district. As per the sources, the missile flew for around 150 km with an indigenous cruise engine.
globaltimes.cn 11.08.2021	CHN: Carrier-based fighter jets make breakthroughs in live-fire drills FC-31	<p>A PLA aircraft carrier-based aviation unit recently assembled J-15 fighter jets for an exercise featuring the live-firing of multiple types of missiles to test the pilots' techniques and tactics in air combat, tactical defense penetration and beyond-visual-range attack, state broadcaster China Central Television (CCTV) reported on Tuesday. Loaded with missiles, several J-15 fighter jets <u>took off from a training base</u> and headed toward the targeted area. On approach, some of the J-15s flew higher and engaged in air combat with hostile aircraft, launched multiple air-to-air missiles and seized air superiority, when the other J-15s took low routes, skimming above the sea, rapidly and stealthily penetrating hostile defenses, and launched anti-ship missiles that destroyed hostile vessels. The report did not disclose the exact date and location of the exercises.</p> <p>With the commissioning of China's second aircraft carrier the Shandong in late 2019 and now that a third one is reportedly under construction, the PLA Navy has a larger demand for carrier-based fighter jets, not only in terms of numbers, but also in performance and operational capability, a Chinese military expert who requested anonymity told the Global Times on Wednesday.</p> <p>China is also expected to develop a next-generation carrier-based fighter jet with stealth capability. China's second stealth fighter jet, the FC-31, could be a top option, when it is upgraded to suit the needs of carrier operations, Fu Qianshao, a Chinese military aviation expert, told the Global Times, after foreign media outlets in June posted a photo showing a full-sized model of the fighter that was spotted on a mock aircraft carrier in Central China, allegedly used to evaluate the country's carrier development.</p>
tass.com 10.08.2021	RUS:	The deputy defense minister Alexei Krivoruchko said on Tuesday that the state trials of the Tsirkon hypersonic missile would be completed this year and the latest weapon would be test-fired from submarines. Russia

	Russia to wrap up state trials of Tsirkon hypersonic missile this year	intends to outfit its submarines and surface ships with Tsirkon hypersonic missile systems. Russian President Vladimir Putin earlier said that Tsirkon hypersonic missiles capable of flying at Mach 9 (nine times the speed of sound) and striking targets at over 1,000 km would go on combat alert soon. <i>(Ergänzende Information tass.com vom 10.08.2021: he Project 885M (Yasen-M) new nuclear-powered submarine Kazan accepted for service in the Russian Navy in May is capable of carrying Tsirkon hypersonic missiles to strike ground and naval targets, Commander of the Northern Fleet's 11th Submarine Division Rear Admiral Alexander Zarenkov said on Tuesday. Yasen-M-class submarines are set to become the mainstay of the Russian Navy's strike submarine forces under its development strategy, the rear admiral said.)</i>
tass.com 10.08.2021	RUS: Russia's 1st regiment of Avangard hypersonic missiles to go on combat alert by yearend	The first regiment of strategic missile systems with the Avangard boost-glide vehicle will go on combat duty by the end of this year, 13th Missile Division Commander Major General Andrei Cherevko said on Tuesday. "Work is ongoing to prepare two silo-based launchers with missiles. The rearmament is proceeding according to schedule. The missiles will be placed in the silo-based launchers and readied for combat alert in the fourth quarter of this year," the commander specified. The first regiment partially armed with the Avangard hypersonic missiles assumed combat duty in the Orenburg Region in the Urals in December 2019. "The second regiment armed with the Avangard strategic missile system is set to go on combat alert in the 13th missile division by 2023," the commander reported to the Russian defense chief. The Avangard boost-glide vehicle is capable of flying at a hypersonic speed of up to Mach 28 in the dense layers of the atmosphere, maneuvering by its flight path and its altitude and breaching any anti-missile defense.
globaltimes.cn 08.08.2021	CHN: Aircraft carrier Liaoning's latest voyage lays down foundation for enhanced night combat	During the latest voyage by the aircraft carrier Liaoning, fighter jet pilot instructors from the Chinese People's Liberation Army (PLA) Naval Aviation University reportedly received certification to operate on carriers at night, marking the stage that the university can now coach pilot cadets nighttime carrier operations. This means China's aircraft carriers will get night combat-capable pilots faster than before, analysts said on Sunday. In the recent certification exam, several pilot instructors from the university steered J-15 fighter jets and landed on the flight deck of the aircraft carrier Liaoning, which was sailing in the Bohai Sea on a windy night with fierce sea waves, the PLA Daily reported on Friday.
taiwannews.com.tw 07.08.2021	TWN: Taiwan to hold missile tests in mid-August	The National Chung Shan Institute of Science and Technology NCSIST on Saturday (Aug. 7) announced it will conduct a series of missile-firing tests later this month. According to an NCSIST bulletin, the live-fire exercises will be held on Aug. 12, 13, 16, and 17 at Jiupeng military base in Pingtung County. NCSIST Vice President

		Leng Chin-hsu (冷金緒) previously said that there is currently one land-based weapon that can be mass-produced, while three missiles are still in development. Military observers hypothesized the land-based missile that is ready for mass production is the Hsiung Feng IIE and its extended-range variant. The former has a range of 600 kilometers and has already been deployed by the military. The latter has an estimated range of more than 1,000 km but has not yet been publicly showcased, per Liberty Times.
eng.mil.ru 06.08.2021	RUS: Flight testing of 'Sarmat' missile to start in 2021 and to be finished in 2022	<p>The Minister visited the Krasnoyarsk Machine-Building Plant 'Krasmach' on Friday to inspect the production workshops of the establishment and to hear the report of its administration. 'The flight testing is (to start) this year, shall be finished in 2022, and in the same 2022 our first regiment shall enter into service of the Strategic Missile Forces. I am not going to mention the precise area, it is nearby', said the Minister at the meeting with the employees of the factory.</p> <p><i>(Ergänzende Information tass.com vom 08.08.2021: Russian Defense Minister Sergey Shoigu said on Friday flight trials of the Sarmat silo-based liquid-fueled ICBM will start this year and finish in 2022. In his words, the Strategic Missile Forces should start receiving these missiles next year. Sarmat is to replace R-36M2 Voevoda missiles, which have been the most powerful in the world and operational since 1970s. Sarmat considerably exceeds the predecessor. Some of its characteristics were disclosed at Army-2019 forum. The new missile weighs 208.1 tons, the payload is close to 10 tons and the fuel is 178 tons. The range of Sarmat is 18,000 kilometers. In contrast to Yars and Topol-M ICBMs, Sarmat uses liquid fuel. The higher power allows carrying more warheads, dummy targets, jammers and other tools to break through missile defenses.)</i></p>
economictimes. indiatimes.com 04.08.2021	IND: India's first indigenous aircraft carrier Vikrant begins sea trial	<p>With the launch of the sea trials of the first indigenous aircraft carrier (IAC) Vikrant, India has joined a select group of countries having niche capability to indigenously design, build and integrate a state-of-the-art aircraft carrier, the Navy said. The 40,000-tonne aircraft carrier built at a cost of around Rs 23,000 crore, is expected to be commissioned into the Indian Navy in the second half of next year after it completes the aviation trials. The aircraft carrier is around 262 metres long and 62 metres wide. The warship will have a fleet of Mig-29K fighter jets and Ka-31 helicopters. India currently has only one aircraft carrier - INS Vikramaditya.</p> <p><i>(Ergänzende Information economictimesnews.com vom 09.08.2021: India's first indigenous aircraft carrier Vikrant on Sunday successfully completed a five-day maiden sea voyage as the performance of the key systems of the 40,000-tonne warship was found to be satisfactory.)</i></p>

dsca.mil 03.08.2021	GEO: Javeline Missile	The Government of Georgia has requested to buy eighty-two (82) Javelin FGM-148 Missiles; and forty-six (46) Javelin Command Launch Units (CLU) for an estimated cost of \$30 million.. Also included are Enhanced Producibility Basic Skills Trainers; Missile Simulation Rounds. This proposed sale will support the foreign policy and national security of the United States by improving the security of Georgia which is a strategic partner and a key contributor to security and stability the region. The Javelin system will help Georgia build its long-term defense capacity to defend its sovereignty and territorial integrity in order to meet its national defense requirements.
defense.gov 30.07.2021	US Army: FGM-148 Javelin	The Government of Thailand has requested to buy three hundred (300) Javelin FGM-148 Missiles; and fifty (50) Javelin Command Launch Units (CLU). The total estimated cost is \$83.5 million. This proposed sale will contribute to the foreign policy and national security objectives of the United States by improving the security of a Major Non-NATO Ally in Southeast Asia. The Javelin Weapon System will replace the obsolete 106mm Recoilless Rifles that the Royal Thai Army (RTA) acquired as part of the Military Assistance Program (MAP) from the Vietnam era. This proposed sale will allow the RTA to modernize their light anti-tank capability and maintain its current force posture, as well as enhance interoperability with the U.S. during operations and training exercises. Thailand is a strategic partner committed to contributing to regional security. <i>(Programmbeschreibung FGM-148 Javelin abrufbar unter: https://www.lockheedmartin.com/en-us/products/javelin.html)</i>
		Geo- und Sicherheitspolitik, militrische bungen
apnews.com 13.08.2021	USA/AFG: US sending 3K troops for partial Afghan embassy evacuation	Just weeks before the U.S. is scheduled to end its war in Afghanistan, the Biden administration is rushing 3,000 fresh troops to the Kabul airport to help with a partial evacuation of the U.S. Embassy. The move highlights the stunning speed of a Taliban takeover of much of the country, including their capture on Thursday of Kandahar, the second-largest city and the birthplace of the Taliban movement. The State Department said the embassy will continue functioning, but Thursday’s dramatic decision to bring in thousands of additional U.S. troops is a sign of waning confidence in the Afghan government’s ability to hold off the Taliban surge.

israelradar.com 12.08.2021	ISR: Hezbollah Plans Massive Border Assault on Israel in Next War	Hezbollah plans to launch a massive border assault in the next war, an Israeli study warns. The group will fire thousands of short-range rockets to destroy IDF outposts, and mobilize large forces to take over army posts and border communities. Hezbollah will also fire heavy rocket barrages at Israeli cities as well as strategic and military sites and infrastructure, the report says. The targets will range from Haifa in the north to Dimona in the south. This missile offensive will aim to slow down IDF operations at the border and inside Lebanon. The IDF is preparing to counter Hezbollah's assault via a doctrine focused on rapidly detecting and destroying enemy forces and assets. The study notes that Israel has vastly superior technology and firepower compared to Hezbollah's military arsenal.
jpost.com 11.08.2021	ISR/IRN: 'Israel won't stand by as Iran advances nuclear program' - Benny Gantz	"Israel will not stand by while Iran advances its nuclear program," Defense Minister Benny Gantz said Tuesday and vowed to respond further. Speaking at IDF's Northern Command, the defense minister toured the area along with IDF Deputy Chief of Staff Gen. Herzi Halevy, Northern Command head Maj.-Gen. Amir Baram, Division 91 head Brig.-Gen. Shlomi Binder and other senior officials. The visit came as tensions ramp up on the border with Lebanon, with rockets having been fired into Israel by the Iran-backed Lebanese terrorist group Hezbollah. This also comes amid Lebanon's continuing economic crisis. Gantz said Israel is willing to provide aid to their northern neighbor but added that it "will not enable the tragedy in Lebanon to cross the border into Israel. We are well aware of Hezbollah's attempts to exploit the situation at the expense of the safety and livelihoods of Lebanese citizens – under the direct influence of Iran."
israelradar.com 10.08.2021	ISR/USAF:	US & Israeli Air Force engineers test new technology for rapid repair of damaged runways. IDF expects Hezbollah to heavily target airbases in next conflict in effort to disrupt Air Force operations. <i>(Ergänzende Information defenseindustrydaily.com vom 11.08.2021: Israeli Air Force engineers can now repair damaged runways with Fiber Reinforced Polymer (FRP) mats and anchoring systems thanks to training by US Air Force and Army engineers. The US Air Force's Rapid Airfield Damage Recovery concept uses the same type of technologies. This was the first time FRP kits were used in such a large crater configuration and the first time the kits were tested using F-35s.)</i>
timesofisrael.com 10.08.2021	USAFCENT/ISR: Israeli, US air forces complete first-of-a- kind joint drill in southern Israel	The Israeli military announced on Tuesday that it had completed a first-of-a-kind aerial exercise with the United States Air Force Central Command, simulating various operational scenarios in Israel's skies. During the drill, dubbed "Desert Eagle," the Israeli Air Force's 133rd Squadron trained alongside the US Air Force's 494th Squadron at the Ovda airbase in southern Israel, according to the Israel Defense Forces. IAF 115th Squadron fighter jets simulated enemy forces in the drill, it added.

		<p>“The aircrews practiced various operational scenarios in the air, including joint exercises against ground, aerial and combined threats while striking designated targets,” the military said in a statement. The air force hailed the drill: “This historic cooperation between the IAF and AFCENT is another example of the long-standing alliance and strategic cooperation between Israel and the United States.”</p> <p>In January, the US Department of Defense announced that Israel, which had been under the area of responsibility of the US military’s European Command (EUCOM), was being moved to the Central Command, which operates in the Middle East.</p>
reuters.com 09.08.2021	RUS: Russia expands military construction plans on Kuril island	<p>Russia plans to build 51 more pieces of military infrastructure on the Kuril islands, the state TASS news agency quoted Russia's defence ministry as saying on Monday. Part of the chain is claimed by Japan and the territorial dispute over some of the islands dates back to the time when the then-Soviet Union seized them at the end of World War Two, and has kept the two countries from signing a formal peace treaty. The ministry said in a statement it has erected more than 30 buildings on the islands, including seven living quarters for military servicemen on Iturup and Kunashir islands claimed by Japan and known as the Northern Territories there. It provided no details on what kinds of buildings it planned to build in the coming years.</p>
globaltimes.cn 09.08.2021	CHN: J-20 fighter jets highlight China-Russia joint strategic drills opening	<p>China and Russia launched a large-scale strategic military exercise in Northwest China on Monday, the first joint drill with another country hosted by China since the COVID-19 outbreak in 2020, with the Chinese People's Liberation Army (PLA) dispatching advanced weapons and equipment, including J-20 stealth fighter jets and Y-20 large transport planes, which were the highlight of the opening ceremony. A total of six warplane echelons featuring J-20 stealth fighter jets, J-11 heavy fighter jets, J-16 multirole fighter jets, JH-7A fighter bombers, H-6K bombers and Y-20 large transport planes of the PLA Air Force put the opening ceremony to a climax.</p> <p>The Zapad/Interaction-2021 exercise started in the Qingtongxia Combined Arms Tactical Training Base in Northwest China's Ningxia Hui Autonomous Region on Monday morning, as participating troops, weapons and equipment, including armored vehicles, wheeled assault guns, self-propelled howitzers, long-range multiple rocket launcher systems, surface-to-air missiles, drones and support vehicles, lined up under Helan Mountain at an opening ceremony, China Central Television (CCTV) reported.</p>
reuters.com 06.08.2021	PRK:	<p>North Korea continued developing its nuclear and ballistic missile programs during the first half of 2021 in violation of international sanctions and despite the country's worsening economic situation, according to an</p>

	North Korea developing nuclear, missile programs in 2021 -U.N. report	excerpt of a confidential United Nations report seen by Reuters on Friday. The report by a panel of independent sanctions monitors to the U.N. Security Council North Korea sanctions committee said Pyongyang "continued to seek material and technology for these programmes overseas." "Despite the country's focus on its worsening economic travails, the Democratic People's Republic of Korea continued to maintain and develop its nuclear and ballistic missile programmes," the sanctions monitors concluded.
jpost.com 06.08.2021 00:11 AM	ISR/IRN: Israel is ready to strike Iran to stop its aggression, nuclear program	Israel is ready to strike Iran, Defense Minister Benny Gantz said on Thursday, as tensions between the two countries continue to mount following a deadly drone attack eight days ago against a civilian commercial ship in the Persian Gulf. Israel considers Iran's nuclear program as the No. 1 concern, and although Tehran has always denied seeking nuclear weapons, it is known that they are continuing to develop the capabilities to produce a nuclear weapons arsenal, as well as ballistic missiles capable of carrying nuclear warheads.
taiwannews.com.tw 04.08.2021	JPN: Japan to deploy missiles 300 km off coast of Taiwan in 2022 to deter China	<p>Tokyo intends to deploy Ground Self-Defense Force (GSDF) missile units on the island of Ishigaki, which is only 306 km from Taoyuan Taiwan International Airport. The new units will be installed next year and be manned by 500 to 600 Japan Self-Defense Forces (SDF) troops. The installation of new units will make Ishigaki the fourth island in the Nansei island chain to be armed with missiles. This island chain runs southwest from Kyushu to Taiwan and is situated on the strategic first island chain that stretches from the Kuril Islands in the north to Borneo in the south.</p> <p>One of the new units will reportedly include surface-to-ship and ground-to-air missiles, while another unit will handle the initial reaction to a military attack. The missile batteries on Ishigaki will join existing units on Amami-Oshima, Okinawa, and Miyako islands.</p> <p>The People's Liberation Army Navy (PLAN) has increasingly been patrolling the Miyako Strait between Okinawa and Miyako islands, including warships such as the Liaoning aircraft carrier. Japan's missile installations are meant to serve as a deterrent and are within range of disputed territories such as the Diaoyutai Islands (Senkaku Islands).</p> <p>In addition, the Japanese defense ministry is reportedly planning on installing an electronic warfare unit on Yonaguni island by the end of 2023 and building a new SDF base on the island of Mageshima.</p>
haaretz.com 04.08.2021	ISR/IRN: Iran's Drone, Air Force Commanders Behind	The head of the Iranian Revolutionary Guard's drone command and the head of its air force were behind a deadly attack on an Israeli-linked ship off the coast of Oman, Defense Minister Benny Gantz and Foreign Minister Yair Lapid said Wednesday. He added that "Iran also crossed all the lines that were set in the previous

	Deadly Ship Attack, Israel Says	nuclear agreement, and is now only around 10 weeks away from obtaining fissionable material that will allow it to develop a nuclear bomb."
economictimes. indiatimes.com 03.08.2021	IND: India believed to be building naval facility on Mauritian island of Agalega	India is believed to be building a naval facility on the remote Mauritian island of Agalega in the south-western Indian Ocean, a leading Arab media organisation claimed on Tuesday, citing satellite imagery, financial data and on-the-ground evidence collected by it. The airstrip under construction in Agalega will almost certainly be used for maritime patrol missions by the Indian Navy. Agalega, some 12 kilometres long and 1.5 kilometres wide island, is located about 1,100-km from Mauritius' main island and is home to about 300 people. Currently, aircraft use a short 800-metre landing strip to land on Agalega. Once completed, the new airstrip will be as long as runways used by the biggest aeroplanes in the world at large international airports, it said. "It's an intelligence facility for India to stage air and naval presence in order to increase surveillance in the wider southwest Indian Ocean and Mozambique channel," Abhishek Mishra, associate fellow at the Observer Research Foundation (ORF) think-tank in New Delhi, was quoted as saying by the news channel. "Based on my personal information, my conversations with all these people in my circle, the base will be used for the berthing of our ships and the runway will be mostly used for our P-8I aircraft," Mishra said, referring to India's P-8I maritime patrol aircraft that can be used for surveillance, anti-surface and anti-submarine warfare.
cnn.com 30.07.2021	GBR/CHN: UK's HMS Queen Elizabeth aircraft carrier pictured in South China Sea	The South China Sea has been a hotbed of naval activity this week, with a British aircraft carrier strike group, an American surface action group, and forces from China's People's Liberation Army all staging exercises in the contested waterway. The British Royal Navy's aircraft carrier HMS Queen Elizabeth has been the center of attention, with state-run Chinese media outlets and diplomats accusing Britain of stirring up trouble in the disputed waters at the behest of the United States. In a statement provided to CNN, a spokesperson from Britain's Ministry of Defense said the carrier strike group was lawfully navigating the South China Sea, "just as one third of global shipping does on an annual basis." The statement added the strike group was taking the most direct route through international waters to conduct exercises with allies and partners in the Philippine Sea.

		Analysen, Studien, Reports, Fact Sheets, Infographics, Podcast und Videos
usni.org 09.08.2021	USN: USNI News Fleet and Marine Tracker	<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 Aug. 09, 2021, based on Navy and public data. In cases where a CSG or ARG is conducting disaggregated operations, the chart reflects the location of the capital ship.</p> <p><i>(Infographic abrufbar unter: https://news.usni.org/2021/08/09/usni-news-fleet-and-marine-tracker-aug-9-2021)</i></p>
defbrief.com 05.08.2021	USAF: Watch an A-10 land on a Michigan highway as part of Northern Strike 2021	<p>During the annual Northern Strike 2021 exercise the Michigan National Guard worked with the Michigan Department of Transportation (MDOT) to close a portion of Michigan State Highway M-32 for five hours to test its ability to land aircraft on roadways designed for cars and trucks. This is widely believed to be the first time US Air Force aircraft have operated on public roads. In June 2018, A-10s from the Michigan Air National Guard conducted highway landings in Estonia as part of the multinational exercise Saber Strike. The concept of operations from public roads is not unfamiliar to other countries either, as the UK is weighing doing similar evaluations this year in a revival of a Cold War practice.</p> <p><i>(Video abrufbar unter: https://defbrief.com/2021/08/05/watch-an-a-10-land-on-a-michigan-highway-as-part-of-northern-strike-2021/)</i></p> <p><i>(Ergänzende Information af.mil vom 06.08.2021: Four A-10 Thunderbolt IIs from the 354th Fighter Squadron and the Michigan Air National Guard’s 127th Wing landed on a state highway as part of Northern Strike 21, a large-scale training exercise, in Alpena, Aug. 5. “This proof of concept proves that we can land on any highway and continue to operate,” said Capt. John Renner, 354th FS flight commander and one of the pilots who participated in the highway landing. “The A-10 allows us to land a lot more places to get fuel, weapons and other armament so we can operate anywhere, anytime. This will allow us to get away from using built-up bases that our adversaries can target by moving much more rapidly.” Two C-146A Wolfhounds assigned to the Air Force Special Operations Command also executed highway landings as part of the exercise, highlighting the service’s ability to integrate and employ diverse missions in austere environments.)</i></p>
jpost.com 31.07.2021	ISR: What does Iran's use of drones against ships mean for the future?	<p>If Iran has reached a new level of precision drone strikes and is using them against shipping in deadly attacks, this is a major milestone. The New York Times quoted two officials, who spoke on condition of anonymity, saying that "The attack appeared to have been carried out by several unmanned Iranian drones that crashed</p>

		<p>into living quarters underneath the ship's command center, or bridge." This looks like a serious and complex attack that is not just a major escalation, but a new use of Iran drone technology.</p> <p><i>(Vollständiger Report abrufbar unter:</i> https://www.jpost.com/middle-east/what-does-irans-use-of-drones-against-ships-mean-for-the-future-675449<i>)</i></p>
<p>crsreports. congress.gov 29.07.2021</p>	<p>USN: Navy Ford (CVN-78) Class Aircraft Carrier Program: Background and Issues for Congress</p>	<p>The aircraft carriers CVN-78, CVN-79, CVN-80, and CVN-81 are the first four ships in the Navy's new Gerald R. Ford (CVN-78) class of nuclear-powered aircraft carriers (CVNs). The Navy's proposed FY2022 budget requests \$2,659.5 million (i.e., about \$2.7 billion) in procurement funding for CVN-78 class ships, including</p>
<p>dia.org</p>	<p>USA: Defense Intelligence Agency Strategy2021</p>	<p>Note from the Director: Strategic competition continues to challenge America's advantage over China and Russia, highlighting the Defense Intelligence Agency's need for a modern and highly integrated long-term strategy. With this in mind, I have directed the Agency to establish a ten-year threat-based strategy with an eye to strategic competition.</p> <p><i>(Vollständiges Dokument siehe Anhang zu diesem Nachbrenner-Versandmail 2021-16)</i></p>

<p>Zielsetzung NACHBRENNER</p>	<p>Der NACHBRENNER hat zum Ziel eine am Thema Militärluftfahrt und Luftkriegsführung interessierte Leserschaft zeitnah über</p> <ul style="list-style-type: none"> ° Die Fähigkeiten und die Schlüsselfunktion von Air Power, ° die zentrale Bedeutung einer integrierten Luftverteidigung, ° die Weiterentwicklung von Luftstreitkräften mit einem besonderen Fokus Europa, ° Entwicklungen und Entwicklungstendenzen in der 3. Dimension sowie ° die möglichen verheerenden Folgen eines ungeschützten schweizerischen Luftraums für unsere Bevölkerung und Souveränität im Frieden, bei Terrorangriffen aus der Luft sowie im Konfliktfall
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	<p>zu orientieren.</p> <p>Dafür werden offene staatliche und Firmen-Quellen sowie die Tages- und Fachpresse ausgewertet und in primär englischer Sprache thematisch und chronologisch zusammengeführt.</p>
<p>Ausgewählt und bearbeitet von MILITÄRPOLITISCHE NACHRICHTEN SCHWEIZ (MNS) Konrad Alder Hermann Hiltbrunner-Weg 1 Tel. 044 926 39 36 <i>konrad.alder@bluewin.ch</i></p>	<ul style="list-style-type: none"> ° Fact and Figures ° Science and Technology ° Entwicklungstrends ° Beschaffungsprogramme ° Luftkriegseinsätze ° Militär- und geopolitische Entwicklungen
<p>Beilagen im Anhang zum Versandmail NACHBRENNER 2021-16</p>	<ul style="list-style-type: none"> ° DIA Strategy2021 (Im Anhang zum NACHBRENNER 2021-16)
<p>Verbunden in einem Informationsnetzwerk mit</p>	<ul style="list-style-type: none"> ° Peter Bosshard – Forum Flugplatz Dübendorf – www.forum-flugplatz.ch ° Thomas Bosshard – Pro Schweizer Luftwaffe – thomasbosshard@bluewin.ch ° Dr. Peter Forster – Das Bulletin Nr. 1 – https://bulletin-1.ch/ ° H.U. Helfer – Informationsgruppe Pro Kampfflugzeuge – helfer@presdok.ch ° Daniel Hildinger – Verein Schweizer Armeefreunde - www.chaf.ch ° Christoph Vollenweider – Gruppe Luftverteidigung – www.lilienberg.ch
<p>Neuabonnement NACHBRENNER</p>	<p>Für eine regelmässige, kostenlose Zustellung des NACHBRENNER übermittelt man seine Mailadresse an konrad.alder@bluewin.ch.</p> <p>Auf die gleiche Art erfolgt die Annulation des Abonnements.</p>