

		Sicherheitspolitik Schweiz und Air2030
www.proschweiz.ch	Pro Schweiz «Das Magazin für eine optimistische und selbstsichere Schweiz» - Ausgabe Nr. 3	Inhalt Das Land des Eigensinns 2 Sicherheitspolitik – Wo stehen wir heute? 4 Sicherheit gibt es nicht umsonst - Die Sichtweise zweier Luftwaffenoffizierinnen 10 autonomiesuisse will Erfolgsmodell Schweiz sichern 16 Die Schweiz muss weder kuschen noch sich verstecken 18 Impressum 20
admin.ch 19.05.2021	Ernennung eines Höheren Stabsoffiziers der Armee – Br Peter Bruns	Der Bundesrat hat an seiner Sitzung vom 19. Mai 2021 Oberst i Gst Peter Bruns per 1. Juli 2021 zum Kommandanten der Luftwaffenausbildungs- und Trainingsbrigade, unter gleichzeitiger Beförderung zum Brigadier, ernannt. Er folgt auf Brigadier Peter Soller, den der Bundesrat am 12. März 2021 zum Kommandanten Lehrverband Fliegerabwehr 33 ernannt hat. (Vollständige Medienmitteilung abrufbar unter: https://www.admin.ch/gov/de/start/dokumentation/medienmitteilungen.msg-id-83579.html)
latribune.fr 17.05.2021	Rafale, F-35, Eurofighter or F-18: Switzerland very close to a decision	The Swiss Federal Council is expected to announce the choice of its future fighter aircraft by the end of June. Four aircraft are in competition: Eurofighter Typhoon (BAE Systems, Airbus and Leonardo), F/A-18 Super Hornet (Boeing), F-35A (Lockheed Martin) and Rafale (Dassault Aviation). Amount of the contract: up to 6 billion Swiss francs. (Vollständiger Beitrag abrufbar unter: https://www.latribune.fr/entreprises-finance/industrie/aeronautique-defense/avions-de-combat-la-suisse-proche-d-une-decision-884626.html)
swisswings.ch 15.05.2021	Eine Dreiflotten-Helikopterstrategie für unsere Luftwaffe?	Voraussichtlich 2030 werden die ersten Super Pumas der Schweizer Luftwaffe ausgemustert oder zumindest ein sehr stolzes Alter erreicht haben. Vor diesem Hintergrund gibt es aktuell diverse Abklärungen, wie die Luftmobilität der Schweiz in der Zukunft aussehen könnte. Eine Überlegung ist eine Dreiflotten-Strategie: Grosshelikopter, mittlerer Transporthelikopter (Super Puma/Cougar) und ein leichter Schul- und Transporthelikopter (EC635). Voraussetzung für den Grosshelikopter wäre eine Nutzlast von über fünf Tonnen. Somit kämen aktuell vermutlich nur die beiden Typen CH-47 Chinook von Boeing und CH-53K King Stallion von Sikorsky/Lockheed Martin in Frage. Falls es wirklich zu einer Einführung von einem schweren

		<p>Transporthelikopter in der Schweiz kommen würde, so könnte dies bereits ab etwa 2030 möglich sein. Eine Evaluation würde vermutlich 2025 stattfinden.</p> <p><i>(Factsheet CH-47 Chinook abrufbar unter: http://www.boeing.com/defense/ch-47-chinook/)</i></p> <p><i>(Factsheet CH-53K King Stallion abrufbar unter: https://www.lockheedmartin.com/en-us/products/sikorsky-ch-53k-helicopter.html)</i></p>
nzz.ch 14.05.2021	Viola Amherds Personalpolitik sorgt für Unruhe – und hat System von Georg Häsler	<p>Bundesrätin Amherd drückt dem Verteidigungsdepartement ihren Stempel auf. Sie will einen Kulturwandel durchsetzen. Abgang reiht sich an Abgang. Den Kontakt zu den Offizieren beschränkt sie auf ein Minimum. Der unfreiwillige Abgang des Nachrichtendienstchefs Jean-Philippe Gaudin passt ins Bild.</p> <p><i>Vollständiger Artikel abrufbar unter: https://www.nzz-ch.cdn.ampproject.org/c/s/www.nzz.ch/amp/gekommen-um-zu-bleiben-ld.1624914)</i></p>
rene.zuercher@ hotmail.com 13.05.2021	Infografik «Zuführung neuer Kampfflugzeuge in Europa» im Lichte der Air2030 NKF Mitwettbewerber	<p>Interessant und aufschlussreich!</p> <p>(Siehe Beilage im Anhang zu dieser NACHBRENNER Ausgabe 2021-10.)</p> <p><i>(Anmerkung Redaktion: Ergänzend sei noch erwähnt, dass Deutschland seine Flotte von mehrrolleneinsatzfähigen Tornado Kampfflugzeugen durch neue, Nuklearwaffen einsatzfähige Boeing F/A-18F Super Hornet (30) und EA-18G Growler (15) teilersetzen will. Bis heute wurde jedoch noch kein entsprechender Kaufvertrag unterzeichnet und die damit zusammenhängenden politischen Auseinandersetzungen sind noch ausstehend. Diese dürfte erst nach den Bundestagswahlen 2021 stattfinden.)</i></p>
vbs.admin.ch 12.05.2021	Jean-Philippe Gaudin verlässt Nachrichtendienst des Bundes	<p>Der Bundesrat hat an seiner Sitzung vom 12. Mai 2021 der einvernehmlichen Auflösung des Arbeitsverhältnisses mit dem Direktor des Nachrichtendienstes des Bundes (NDB), Herrn Jean-Philippe Gaudin, auf den 31. August 2021 zugestimmt.</p> <p><i>(Vollständige Medienmitteilung abrufbar unter: https://www.vbs.admin.ch/de/aktuell/medienmitteilungen.detail.nsb.html/83527.html)</i></p>

<p>blick.ch 12.05.2021</p>	<p>Nach Eklat beim Nachrichtendienst - Wird Pitteloud neuer Geheimdienst-Chef?</p>	<p>Bundesrätin Viola Amherd entlässt Nachrichtendienstchef Jean-Philippe Gaudin. Für seine Nachfolge haben Insider bereits einen Geheimitipp: Jacques Pitteloud. Der Schweizer Botschafter in den USA war aber selber schon in mehrere Affären verwickelt.</p> <p><i>(Vollständiger Beitrag abrufbar unter: https://www.blick.ch/politik/nach-eklat-beim-nachrichtendienst-wird-pitteloud-neuer-geheimdienst-chef-id16519881.html)</i></p> <p><i>(Anmerkung Redaktion zur Nachfolge von Div Gaudin: Walliser und Frauen sind in den Chefetagen des VBS bereits gut vertreten. Nicht Gender-, Softpower und Umweltfragen sollten für diesen wichtigen Posten des neuen C NDB entscheidend sein, sondern fachliche und menschliche Kompetenz, vor allem aber auch Erfahrung. Die Funktion ist zu wichtig, als dass man auf diese Eigenschaften verzichten kann. Es gibt solche Schlüsselkräfte, wie z.B. Divisionär Claude Meier, ehemaliger Chef Armeestab und zurzeit höherer Stabsoffizier an den Genfer Zentren für Friedens- und Sicherheitspolitik, was einer unverzeihlichen Verschwendung von wertvollen Ressourcen gleichkommt.)</i></p>
<p>bulletin-1.ch Dr. Peter Forster 12.05.2021</p>	<p>BISS – Die Bombe platzt: Gaudin geht!</p>	<p>Der Tages-Anzeiger lässt heute die Bombe platzen: Auf den Seiten 1 und 4 berichtet er eingehend über das bevorstehende Ausscheiden des Geheimdienstchefs Jean-Philippe Gaudin.</p> <p><i>(Vollständige Analyse abrufbar unter: https://bulletin-1.ch/die-bombe-platzt-gaudin-geht/)</i></p>
<p>bulletin-1.ch Dr. Peter Forster 12.05.2021</p>	<p>BISS – Konzertierte Kampagne gegen die USA</p>	<p>Handfest haben sich Schweizer Amerika-Hasser längst auf zwei US-Kampfflugzeuge eingeschossen, deren Kauf sie unbedingt verhindern wollen. Sie lassen am F/A-18 von Boeing und am F-35 von Lockheed Martin keinen guten Faden.</p> <p><i>(Vollständiger Beitrag abrufbar unter: https://bulletin-1.ch/biss-konzertierte-kampagne-gegen-die-usa/)</i></p>
<p>admin.ch 12.05.2021</p>	<p>Bericht des Bundesrates zur Beurteilung der Bedrohungslage gemäss Art. 70 Nachrichtendienstgesetz (NDG)</p>	<p>Der Bundesrat hat an seiner Sitzung vom 12. Mai 2021 den jährlichen Bericht zur Beurteilung der Bedrohungslage gemäss Art. 70 NDG verabschiedet. Der Bericht wurde vom Nachrichtendienst des Bundes (NDB) erstellt und bezieht sich auf die im NDG genannten Bedrohungen sowie auf sicherheitspolitisch bedeutsame Vorgänge im Ausland.</p> <p><i>(Vollständiger Bericht abrufbar unter: https://www.fedlex.admin.ch/de/home?news_period=last_day&news_pageNb=1&news_order=desc&news_itemsPerPage=10)</i></p>

airbus.com 12.05.2021	Allegra 2021 06	Der Airbus Newsletter für Schweizer Medienschaffende. (Vollständiges Dokument abrufbar unter: file:///C:/Users/Standard/Downloads/Allegra%20Newsletter%20Airbus_6_21_D.pdf)
nzz.ch 12.05.2021	«Der Kampfjet ist Teil eines elektronischen Gesamtsystems – die totale Autonomie gibt es nicht» von Georg Häslar und Lukas Mäder	Bei der Beschaffung neuer Kampfflugzeuge steht die Frage nach der Datensicherheit im Zentrum. Was sind die Gefahren der Vernetzung? Wo wird die Schweiz abhängig vom Ausland? (Vollständiger Artikel mit «Anmeldung» abrufbar unter: https://www.nzz.ch/schweiz/neue-kampfjets-risiko-eines-cyberangriffs-steigt-ld.1623577)
infosperber.ch 12.05.2021	Der Kampfjet-Kauf muss noch gestoppt werden – er ist sinnlos	Die Schweiz ist aufgerufen, aus dem Verlauf des Berg-Karabach-Krieges die Lehren zu ziehen. Künftige Kriege verlaufen anders. (Vollständiger Beitrag abrufbar unter: https://www.infosperber.ch/politik/abstimmungen-schweiz/_trashed-298/)
admin.ch 11.05.2021	Absturz der Hermes-900-HFE-Drohne in Israel: Untersuchungsergebnisse zur Absturzursache liegen vor	Nach dem Absturz einer für die Schweizer Armee vorgesehene Drohne des Typs Hermes 900 HFE über israelischem Hoheitsgebiet hatte das israelische Transportministerium eine Untersuchung zur Klärung der Unfallursache eingeleitet. Nun liegt der Abschlussbericht vor. Der Hersteller hat den Schaden behoben und übernimmt sämtliche Kosten. (Vollständige Medienmitteilung abrufbar unter: https://www.admin.ch/gov/de/start/dokumentation/medienmitteilungen.msg-id-83465.html)
srf.ch 10.05.2021	Neue Kampfjets für die Schweiz – F-35	Zwei Videos «F-35» und «Vieles spricht für einen europäischen Kampfjet» abrufbar unter: www.srf.ch/play/tv/sendung/10-vor-10?id=c38cc259-b5cd-4ac1-b901-e3fddd901a3d
srf.ch 10.05.2021	Vieles spricht für einen europäischen Kampfjet	Artikel «Vieles spricht für einen europäischen Kampfjet» abrufbar unter: https://www.srf.ch/news/schweiz/baldiger-bundesratsentscheid-vieles-spricht-fuer-einen-europaeischen-kampfjet

<p>tagesanzeiger.ch 10.05.2021</p>	<p>Super Hornet würde kaum 30 Jahre alt</p>	<p>Der Bundesrat entscheidet in den nächsten Wochen, welchen Jet die Schweiz für 6 Milliarden kaufen wird. Ein Mitfavorit zeigt dieselben Strukturmängel wie der heutige Jet der Luftwaffe.</p> <p><i>(Abrufbar zahlungspflichtig unter: https://www.tagesanzeiger.ch/super-hornet-wuerde-kaum-30-jahre-alt-631585449986)</i></p> <p><i>(Kommentar Beni Gafner «Finger weg von diesem Jet» abrufbar unter: file:///C:/Users/Standard/Downloads/2021-05-10%20Tagi%20Finger%20weg%20von%20diesem%20Jet%20(6).pdf)</i></p> <p><i>(Artikel Beni Gafner «Super Hornet bekommt bei Tests schneller Risse als die alte F/A-18» abrufbar unter: file:///C:/Users/Standard/Downloads/2021-05-10%20Tagi%20Super%20Hornet%20bekommt%20bei%20Tests%20schneller%20Risse%20als%20die%20alte%20FA-18%20(2).pdf)</i></p> <p><i>(Anmerkung Redaktion: Ich weise darauf hin, dass es nicht in der Kompetenz eines medialen "Verbundes" von Gegnern eines neuen Kampfflugzeugs, sondern in der Kompetenz unseres Bundesrates liegt, diese Typenwahl zu treffen. Und das basierend auf dem Ergebnis unseres anerkannten Auswahlverfahrens, dessen Ergebnisse und Wertung wir als Aussenstehende noch nicht kennen. Dabei werden hoffentlich persönliche Präferenzen keine Rolle mehr spielen. Es dominieren dann gemäss den Ausführungen von Frau Bundesrätin Viola Amherd vielmehr die Hauptevaluationskriterien «Fähigkeit» (Gewichtung 55%), «Support/Logistik» (25%), «Kooperation» (10%) und «Industriebeteiligung» (10%) beziehungsweise entsprechende Kosten/Nutzen-Überlegungen. In einem am 3. Mai 2021 in der NZZ publizierten Interview führte die Chefin VBS im Übrigen weiter aus, dass sie es nicht vertreten könnte, aus politischen Gründen ein Flugzeug zu kaufen, das viel teurer oder viel schlechter ist als ein anderer Mitwettbewerber. Erst wenn Kosten und Nutzen bei den verschiedenen Typen vergleichbar wären, sollen auch politische Überlegungen angestellt werden.)</i></p>
<p>bulletin-1.ch Dr. Peter Forster 08.05.2021</p>	<p>Ausgerechnet PSG – mit 20 Gripen C/D!</p>	<p>Zu den Fundamenten der Direkten Demokratie gehört: Wer eine Wahl oder Abstimmung verliert, der respektiert den Volkswillen. Nur so funktioniert unsere weltweit einzigartige Staatsform, der die Eidgenossenschaft Freiheit und Wohlstand verdankt. Die Regel gilt auch für knappe Entscheidungen. Es ist das absolute Mehr, das zählt, auch wenn der Urnengang eng ausgeht. Wer verstösst schon wieder dagegen? Ausgerechnet die Motionärin PSG: Priska Seiler Graf.</p> <p><i>(Vollständiger Blog abrufbar unter: https://bulletin-1.ch/ausgerechnet-psg-mit-20-gripen-c-d/)</i></p>

nzz.ch 08.05.2021	Der sozialdemokratische Gripen-Versuchsballon fordert Bundesrätin Viola Amherd heraus, mit härteren Szenarien für das neue Kampfflugzeug zu argumentieren	SP-Sicherheitspolitikerin Priska Seiler Graf fordert in einer Motion die Beschaffung von Gripen-Kampfflugzeugen. Die Bürgerlichen sehen darin ein Störmanöver. Die Idee schafft allerdings die Chance, das Milliarden-Geschäft konsequenter mit dem rauen strategischen Klima zu begründen. (Vollständiger Beitrag von Georg Häsler Sansano abrufbar unter: https://www.nzz.ch/schweiz/neues-kampfflugzeug-sp-fordert-mit-gripen-idee-das-vbs-heraus-ld.1624029)
lilienberg.ch 07.05.2021	«Sicherheitsraum, Werteraum und Wirtschaftsraum: die für die Sicherheit der Schweiz strategisch relevanten Räume» von Christoph Vollenweider	Sicherheitspolitik hat in der Schweiz einen sehr schweren Stand. Die zunehmend verworrene, aber auch verwirrende geopolitische Entwicklung mit einer Vielzahl von mehr diffusen denn klaren Bedrohungslagen machen es auch für Fachleute schwierig, die Übersicht zu bewahren und brauchbare Handlungsmaximen für die Schweizerische Sicherheitspolitik abzuleiten. Wir ordnen ein. (Vollständige Analyse abrufbar unter: https://www.lilienberg.ch/news-events/unsere-meinung/sicherheitsraum-werteraum-und-wirtschaftsraum-die-fuer-die-sicherheit-der-schweiz-strategisch-relevanten-raeume/)
		Luft- und Marineluftstreitkräfte sowie strategische und weitere luftgestützte Einsatzmittel
latribune.fr 19.05.2021	IDN: Indonesia very close to boarding the Rafale	Indonesia is very close to boarding the Rafale. After Egypt (54 Rafale), Qatar (36), India (36) and Greece (18), it should be, barring accident, a new country to acquire the tricolor combat aircraft. According to consistent sources, the contract has already been signed by the Indonesian Minister of Defence, Prabowo Subianto. However, the minister still has to wait for a decisive presidential decree by Joko Widodo to provide budget lines for the Ministry of Defence and thus ensure the financing of the contract before it can be made effective. The president and his defence minister had been rivals in the last two presidential elections.
tasnimnews.com 18.05.2021	IRN:	Iranian scientists have made great progress in designing and manufacturing engines used in various aircraft and missiles, Chief of Staff of the Iranian Armed Forces Major General Mohammad Hossein Baqeri said. In comments after a visit to a factory producing 'Owj' homegrown turbojet engines, Major General Baqeri said Iran is now

	Top General Highlights Iran's Advances in Aircraft Engine Industry	among a handful of countries in the world with the know-how to manufacture engines for aerial vehicles, which he said are at the cutting-edge of technology. In August 2020, Iran's Defense Ministry launched the assembly line for the Owj jet engine used in the country's first domestically-made fighter jet, Kowsar.
stripes.com 18.05.2021	USA: Military funds prototype aircraft to consider for special operations 'Armed Overwatch' program	The military has awarded \$19.2 million to five companies for light attack aircraft prototypes capable of flying special operations surveillance and strike missions from airstrips in remote areas. A notice on a U.S. government contracting website Friday identified the types selected for the evaluation by U.S. Special Operations Command's Armed Overwatch program as the Leidos Inc. Bronco II, MAG Aerospace MC-208 Guardian, Textron Aviation Defense AT-6E Wolverine, L3Harris AT-802U Sky Warden and Sierra Nevada Corp. MC-145B Wily Coyote. "Armed Overwatch" is SOCOM's program to field a fleet of up to 75 armed, fixed-wing aircraft that can be readily deployed and maintained in austere environments where the airspace is largely uncontested, such as in Africa, with minimal logistics support. It will need to meet requirements for close air support, reconnaissance and airborne forward air controller missions, the command has said.
af.mil 18.05.2021	USAF: Air Force opens new F-16 production line for foreign military sales	To support the growing demand for new F-16 Fighting Falcon from partner nations, the U.S. Air Force has teamed with Lockheed Martin Corp. to open a new production line to build the F-16 Block 70/72 fighter aircraft at the company's facility in Greenville, South Carolina. Recently, and on behalf of five foreign military partners, the Air Force awarded Lockheed Martin Corp. approximately \$14 billion, to build 128 F-16s at the facility through 2026. The first F-16s are expected to roll off the production line in 2022, and production is expected to increase after the first year. The aircraft will be delivered to multiple foreign military partners, including Bahrain, Slovakia, Bulgaria, Taiwan, and others, many of whom have expressed interest beyond the first deliveries. More aircraft are expected to be built in the upcoming years, and there are requests for F-16s under review from additional foreign military partners. In addition to leading efforts to field new F-16s, the Fighters and Advanced Aircraft Directorate is also modernizing 405 F-16s – operated by four partner nations – with the V-Configuration, which consists of new radar and other upgrades to make them similar to the aircraft that will come off the production line. There are 25 nations operating F-16s today.
bmv.de 17.05.2021	DEU/FRAU/ESP: Sachstand im Projekt Next Generation Weapon System in	Florence Parly, minister of the armed forces of France, Annegret Kramp-Karrenbauer, minister of Defense of Germany and Margarita Robles, minister of Defense of Spain are pleased to announce the finalization of the discussions regarding the content of the next phase of the NGWS/FCAS programme, aiming at developing a new generation fighter demonstrator flying by 2027.

	<p>Future Combat Air System</p>	<p>Im Zuge der regierungsseitigen Verhandlungen zur bruchfreien Fortführung des trinationalen Projekts Next Generation Weapon System (NGWSNext Generation Weapon System) in einem Future Combat Air System (FCASFuture Combat Air System) wurde nunmehr eine grundsätzliche Einigung zum weiteren Vorgehen erzielt.</p> <p>Diese Einigung umfasst die Verständigung auf eine Durchführungsvereinbarung, das sogenannte Implementing Arrangement 3. Dieses fungiert als regierungsseitiges Dachdokument für die Phasen „Forschung und Technologieentwicklung“ (Phase 1B) sowie die „Demonstratorphase“ (Phase 2). Die Durchführungsvereinbarung enthält auch die zugehörigen Regelungen der Nutzungsrechte (Intellectual Property Rights) sowie die maximale finanzielle Beteiligung Deutschlands für beide Phasen.</p> <p><i>(Gemeinsame Pressemitteilung abrufbar unter: https://www.bmvg.de/resource/blob/5082840/c9911c310a4d9478099e7688605548ae/download-anlage-data.pdf)</i></p>
<p>latribune.fr 16.05.2021</p>	<p>HRV: Rafale, F-16 or Gripen: Croatia to announce its choice at the end of May</p>	<p>It is Croatia's turn to decide whether its air force will offer 12 used F3R Rafales proposed by the Directorate General of Armament (DGA), the new F-16 Block 70/72 Viper, or, finally, the new Gripen C/D (Saab) to replace its old MiG-21 subseril. The decision of this competition launched in the summer of 2019 is now very close.Croatia has announced the winner of the competition at the end of May: most likely on 28 May, on the day of the Armed Forces of the Republic of Croatia (CAF) and the Croatian Army (HKoV), or on 30 May, during The State Day in Croatia.</p> <p><i>(Ergänzende Information alert5.com vom 21.05.2021: Croatian daily Jutarnji says the country has decided to select the Rafale F3R as the winner of the fighter competition. These are second-hand jets that France has offered to Croatia. A total of 12 jets are to be sold. The oldest aircraft in the package is 10 years-old. Delivery is to start in 2024.)</i></p>
<p>defense.gov 14.05.2021</p>	<p>USA: Department of Defense Laser-Focused on Driving Down Costs of F-35, General Says</p>	<p>There are about 630 F-35 Lightning IIs in the field today in nine nations, including the U.S., the program executive officer for the F-35 Lightning II Joint Program Office said. Five of those nations have deployed the F-35 in combat. "The F-35 delivers truly game-changing capabilities today. With its combination of stealth, sensor fusion and interoperability, the F-35 is truly the quarterback of the joint force," Air Force Lt. Gen. Eric T. Fick said yesterday at the FY2022 Defense Programs conference. The U.S. and its allies and partners who use the F-35 don't have unlimited funds, so Fick said that the services are "laser-focused" on driving down costs, not just in development and production, but in sustainment, where 80% of the money is spent.</p> <p>To save on cost, the technicians are increasing the amount of automated testing on the plane's software so that faulty software isn't pushed into the field, or even into the flight test, he said. Using the joint simulation</p>

		<p>environment for initial operational test and evaluation, is also being employed to reduce the cost to develop and deliver software ahead of open-air flight tests, he said.</p> <p>In sustainment for the U.S. Air Force, the cost per flight hour for the F-35 went down from \$37,000 to \$33,300 in the course of just one year from 2019 to 2020, he said, mentioning that's a lot of progress. The services are also looking to increase the use of advanced simulators to reduce the cost of actually flying. Driving down the costs of spare parts, maintenance and repair is the next big focus, he said.</p>
airforcemag.com 14.05.2021	USAF: USAF to Cut F-35 Buy in Future Years Defense Plan	<p>The Air Force will propose about a 10 percent cut in its planned F-35 purchases in the upcoming future years defense plan, citing sustainment costs for the jet well above what was expected, and because the service prefers to wait for the more advanced Block 4 model. Budget talking points obtained by Air Force Magazine appear to show USAF giving the F-35 program an ultimatum: Get costs under control over the next six to eight years or the overall buy will be sharply reduced. According to the talking points, which were prepared for Chief of Staff Gen. Charles Q. Brown, Jr., the Air Force plans to request 48 F-35s in Fiscal year 2022, but only 43 aircraft a year from fiscal 2023-2026. The result will be a FYDP buy of 220 jets versus 240 under the previous plan.</p> <p>In the last three budget years, the Air Force requested 48 F-35s, and Congress added another 12. That 25 percent increase on USAF's depot and spares capacity has hurt mission capable rates and prompted some members of Congress to declare they will fight any further such "plus-ups," to let the sustainment enterprise catch up.</p>
bloomberg.com 13.05.2021	USA: Pentagon to Seek 85 F-35 Jets in Next Year's Budget Request	<p>The Biden administration will seek \$11 billion to buy 85 Lockheed Martin Corp. F-35 jets in the coming fiscal year, tracking a plan outlined last year by the Trump administration, according to a U.S. official. With a \$715 billion budget request for fiscal year 2022, the Pentagon had considered increasing the quantity of next-generation fighters it planned to buy but decided to instead focus on using additional funding to upgrade the F-35 with new capabilities every six months, the official said.</p>
taiwannews.com.tw 13.05.2021	TWN: Taiwan retrofitted F-16s spotted in Hawaii	<p>Taiwanese F-16 fighters have reportedly been spotted in Hawaii making their way back to the nation after being upgraded to the Block 70 variant. According to internal sources from the military, a number of F-16 fighters are in the U.S. being retrofitted and will fly back to Taiwan in batches. The fighter jets will then be handed over to Aerospace Industrial Development Corporation for scheduled performance trials.</p> <p>Under the "Phoenix Rising" project (鳳展專案), a number of F-16s are currently being retrofitted in the U.S. and will be flown back to Taiwan in batches by Taiwanese and American pilots. The project, carried out in cooperation with Lockheed Martin, costs NT\$110 billion (US\$3.93 billion) and will see the East Asian nation's 141 F-16 A/Bs</p>

		<p>upgraded to the Block 70 variant. In addition, the Air Force has purchased 66 new F-16V (Block 70) fighters from the U.S. and will deploy the jets at Taitung’s Chihhang Air Force Base after taking possession of them.</p>
<p>airforcemag.com 13.05.2021</p>	<p>USAF: Rep. Brown Explains Support for Full F-35 Buy</p>	<p>The F-35’s operational success outweighs its readiness and sustainment challenges, it is making progress against those issues, and it is too strategically important not to keep funding, House Armed Services committee member Rep. Anthony Brown (D-Maryland) said at a defense conference. Speaking at the McAleese FY2022 Defense Programs Conference on May 12, Brown explained that he signed a letter from 132 House lawmakers to the body’s leadership urging full F-35 support because “it’s performing well” in “executing ... real-world missions.”</p> <p>The F-35 is “the most expensive procurement, and likely the most expensive sustainment program in the history of the department, there’s no doubt about it,” Brown said. He has concerns about delays to full-rate production and whether this will call into question “whether the technology is still leading and ahead of our adversaries.” He also noted “challenges” with software, simulators, and integrating the F-35 in the Joint Simulation Environment, as well as chronic issues relating to the Autonomic Logistics Information System and “setting up the government-operated and maintained depots.” However, the F-35 is “a capability that we dramatically need, certainly as we’re pivoting to the Indo-Pacific,” and it is complementary to other needs in that theater, notably “other fighters, and the bomber fleet, [and] the refueling fleet.” He called it “integral to air dominance” and urged that Congress “continue the investment. We are making progress. There is frustration around the pace of progress, but we are going to get there.”</p>
<p>defenseone.com 12.05.2021</p>	<p>USAF: The Air Force is Planning For a Future Without the F-22</p>	<p>The U.S. Air Force aims to pare its fighter fleet to just four types — and the F-22 Raptor won’t be among them, the service’s top general said Wednesday. Those four will be the F-35, F-15EX, F-16, and the Next Generation Air Dominance, or NGAD, fighter, Gen. CQ Brown, Air Force chief of staff, said at a McAleese and Associates virtual conference. “Right now we have seven fighter fleets,” Brown said. “My intent is to get down to about four, OK, and with that four, what is the right mix?” Brown said the fighter makeup is “really a four-plus-one, because we’re going to have the A-10 for a while as we re-wing” the venerable Warthog to extend its service life into the 2030s.</p> <p>The F-22 will be replaced by the NGAD jet, which will fly alongside the “F-35, which will be the cornerstone, [the] F-15EX as we come in, and then we’ll have F-16 for a while as well,” Brown said. The Air Force currently has 186 F-22s, according to a Heritage Foundation count in November. They are just 12 years old on average, Heritage reported, making the type among the youngest in the fleet. But the F-22 has faced low mission capability rates, in part due to structural upgrades that often take multiple aircraft offline.</p>

<p>breakingdefense.com 12.05.2021</p>	<p>USAF: Air Force May Tilt To Drones: CSAF Brown</p>	<p>Air Force Chief of Staff Gen. CQ Brown says the service is seriously considering building a fighter fleet with more drones than piloted aircraft. Such a shift in fleet structure is something the service has looked at in its Futures Game, led by Lt. Gen. Clint Hinote, deputy chief for requirements. That war game was held last fall (Colleague Valerie Insinna detailed the China-focused 2030 scenario last month.). “Part of our analysis in that war game was to take a look at the mixture of manned platforms and unmanned platforms,” Brown said. “So, what does a future fighter squadron look like, you know, how many airplanes does it have versus how many unmanned platforms does it have?”</p> <p>The end goal, Brown said, is to move from the current fighter fleet structure made up of seven different types of aircraft, “down to about four,” or “four plus one” counting the venerable A-10 ground attack plane that he noted is going to be around for “a while.” Included in that four, he said, will be:</p> <ul style="list-style-type: none"> ◦ The Next Generation Air Dominance (NGAD) family, which under current plans will include both a sixth-generation, piloted fighter jet plus an as yet unknown number of drones capable of teaming with the new fighter; ◦ The Lockheed Martin built F-35A fifth generation fighter, which Brown again called “the cornerstone” of the future fleet — but which has been fixed firmly in the DoD crosshairs for a potential reduction from the currently planned 1,763 tails; ◦ Boeing’s F-15EX Eagle II, which is making its debut in the ongoing Northern Edge exercise led by Indo-Pacific Command; and ◦ The F-16, and eventually, something new to replace it. “Whether that will be more F-35s or something else” is a decision Brown said doesn’t have to be made for “six, seven, eight years.”
<p>janes.com 12.05.2021</p>	<p>CZE: Czech Republic receives additional C295 airlifter</p>	<p>The Czech Republic has received an additional Airbus Defence and Space (DS) C295 airlifter, bringing its total fleet up to five. The sixth and final aircraft is set to follow in the near-term.</p>
<p>defensenews.com 11.05.2021</p>	<p>CHN: China fields J-10 jets powered by homemade engine</p>	<p>Chengdu J-10 jets powered by indigenous engines have entered operational service with the People’s Liberation Army Air Force, representing China’s confidence in the local technology to equip the single-engine, multirole aircraft. Images posted by China National Radio of a PLAAF live-firing exercise at an unspecified location show J-10C Vigorous Dragons with the distinctive exhaust nozzles of the WS-10B Taihang turbofan engine, marking the first time the WS-10 has been officially seen on an operational J-10. The serial numbers on the tails of the J-10Cs were removed from the images by Chinese censors, making it impossible to identify the PLAAF unit operating the jets.</p>

		<p><i>(Ergänzende Information defenseneews.com vom 11.05.2021: The confirmation of J-10s powered by an indigenous engine represents a key milestone for China's aviation industry, and it suggests China is now satisfied by the performance and reliability of the WS-10. China has been testing the engine on the J-10 since at least 2011, with the engine seen on J-10B and J-10C test bed aircraft belonging to the Chengdu Aircraft Industry Group, although the engines were not seen on production aircraft until the fourth production batch of J-10Cs in 2019. China has had troubles with the design and manufacture of fighter engines over the past decade or so. Despite having used the WS-10 to power the twin-engine Shenyang J-11 and J-16 jets since around 2010, the country has continued to use imported Russian AL-31 engines to power the Shenyang J-15 carrier-borne fighter and earlier batches of J-10s. China is also continuing work on indigenous engines, with a J-10B test bed version fitted with a stealthy, thrust-vectoring WS-10B performing at the 2018 Zhuhai Airshow. It is also developing the WS-15 engine for its stealthy Chengdu J-20 Mighty Dragon and the WS-10 high-bypass turbofan for its Xi'an Y-20 airlifter.)</i></p>
<p>airforcemag.com 10.05.2021</p>	<p>USAF: One Year From First Flight, Ray Tours B-21 Factory, Bomber Test Enterprise</p>	<p>As the first flight of the B-21 Raider bomber draws closer, Gen. Timothy M. Ray, head of Air Force Global Strike Command, toured Northrop Grumman's production facility and the test enterprise that will put the jet through its paces beginning next year. Ray saw "significant progress made on the build of the first flight test aircraft that will one day make its way to Edwards Air Force Base, [California], for testing," said the Rapid Capabilities Office, which manages the B-21 program, in a press release.</p> <p>Randall G. Walden, head of the RCO, told Air Force Magazine that he expects the B-21 to emerge from the factory in early 2022 and make its first flight about a year from now. First flight will be preceded by outside engine runs and taxi tests of increasing speed. The RCO said flight testing of the new bomber will begin as soon as aircraft No. 1 is complete, and this will be driven by "key maturity events" and not "arbitrary dates."</p> <p>Ray started his tour of the bomber test enterprise on May 5 with a visit to the 419th Flight Test Squadron, Global Power Combined Test Force. The unit performs tests on the B-1, B-2, and B-52 bombers. It is also already performing tests on the AGM-183A Air-launched Rapid Response Weapon, a hypersonic missile that will equip the B-52 and eventually the B-1 and F-15. Ray has said as many as a dozen B-52s and B-1s could be involved in testing new weapons for the bomber fleet.</p>
<p>en.mercopress.com 08.05.2021</p>	<p>ARG: Chinese delegation in Argentina to offer the Air Force, the supersonic aircraft JF-17</p>	<p>A top-ranking delegation from China's National Aero-Technology import-export corporation, CATIC, is currently in Argentina to discuss defense cooperation and with the proposal to offer the Argentine Air Force supersonic capable aircraft, according to InfoDefensa.ar, an Argentine site which specializes in defense industry issues. Following the retirement of its latest Dassault Mirage III in 2015, the Argentine Air Force is out of supersonic fighter jets in its fleet and has been using subsonic A-4 attack aircraft while negotiating the purchase of an</p>

		intercept aircraft. After negotiations with Korean Aerospace Industries (KAI) failed to offer the FA-50, Argentina has received offers from Russia, which includes the MIG 35, and from China. In the latter case, the aircraft involved is the combat tested JF-17 fighter, produced in partnership with Pakistan, which is its largest operator. There is speculation that the Chinese export company CATIC intends to close an agreement for the supply of 12 fighters.
airforcemag.com 07.05.2021	USAF: F-35 Is Now the Air Force's Second-Largest Fighter Fleet	The F-35A fleet is now the second-largest in the Air Force's inventory, behind the F-16, surpassing F-15s and A-10s. There are now 283 Joint Strike Fighters in the Air Force's arsenal, compared to 281 A-10s, 234 F-15C/Ds, and 218 F-15Es. Air Force Chief of Staff Gen. Charles Q. Brown Jr. told the House Appropriations defense subcommittee on May 7 the F-35 reached the milestone within the last week. The Air Force plans to buy 1,763 of the aircraft, and the numbers of jets have been growing at bases inside the continental United States and Alaska. Jets are expected to start arriving at the first USAF overseas base—RAF Lakenheath, United Kingdom—later this year.
sundiatapost.com 07.05.2021	NGA: 6 of 24 M-346FA aircraft Nigeria ordered from Italy to be delivered before Q3, 2021	At least six aircraft of the 24 Leonardo M-346FA light fighter aircraft ordered by Nigeria will be delivered before Q3/2021. The modern Italian platform is intended to replace the older Alpha Jet ground attack aircraft of the Nigerian Air Force (NAF). The deal is estimated to worth \$1.2 billion. Nigerian Air Force bought Leonardo C-27J Spartan, AW109 Helicopter, AW139 Helicopter and AW189 Presidential Aircraft from Italy. Leonardo will work with Elbit Systems and Rafael Advanced defense systems to provide avionics, PESA radar and munitions for Nigerian M-346FA light combat aircraft. Nigeria placed a sole source contract to Leonardo Company to provide aircraft, training, support and munitions for Nigeria. The M-346FA will also be used as a lead-in trainer for the new Chengdu PAC JF-17 fighter aircraft that were ordered with the Pakistan Aeronautical Complex (PAC). Nigeria's proposed 2018 budget confirmed that the African nation will obtain the Chengdu PAC JF-17 fighter aircraft. The budget allocation of \$36 million (N13.1 billion) was earmarked as partial payment for three aircraft.
af.mil 07.05.2021	USAF: Roth, Brown, Raymond present Air, Space Forces priorities to Congress	Acting Secretary of the Air Force John P. Roth alongside Air Force Chief of Staff Gen. Charles Q. Brown, Jr., and Chief of Space Operations Gen. John W. "Jay" Raymond told a congressional subcommittee Friday that both the Air and Space Forces are moving decisively to confront new and emerging threats, including those from China and Russia, while also devoting resources "to rid our ranks of corrosive elements and injustices." Answers by Roth, Brown and Raymond throughout the hearing reflected the Department's overarching priorities. It means continuing to rollout F-35 (Lightning II) aircraft into the fleet. The F-35, according to Air Force senior leaders, "is the cornerstone of our future fighter force and air superiority." It means continuing to introduce the KC-46 (Pegasus) into the fleet, while also continuing to revamp the service's "career field" categories to match personnel and leadership philosophies to the needs of national security and modern warfare.

<p>af.mil 07.05.2021</p>	<p>USAF: F-15EX take to the Alaska skies for testing</p>	<p>The F-15EX – both 001 and 002 – have taken to the Alaska skies for exercise Northern Edge 21, May 3-14. The purpose of the F-15EX's participation in Northern Edge is to allow for immediate deep-end testing in a complex jamming environment, to include GPS, radar and Link 16 jamming, to gather essential test data for what works and what needs improvement. The other main goal is assessing the EX's interoperability with fourth and fifth-generation assets. With more than 60 aircraft airborne during every vul (vulnerability period – the period of time when an aircraft is vulnerable to harm) at Northern Edge, we're putting the jet in the role it will perform in once it's fielded, and seeing how it does, said Maj. Aaron Eshkenazi, F-15EX pilot, 85th Test and Evaluation Squadron.</p>
<p>defense.gouv.fr 07.05.2021</p>	<p>FRA: Reception of the 4th A330 Phoenix on BA 125</p>	<p>From the flight testing division of the Directorate General of Armament located in Istres, the 4th A330 Phoenix joined the Air and Space Army (AAE) at Air Base (BA) 125 on Friday, May 7. The Ministry of the Armed Forces commissioned three A330s in 2020 to accelerate the renewal of the AEA's strategic transport aircraft fleet (A310 and A340). These aircraft will be transformed at a later date to complement the MRTT fleet. The operation of the fleet of fifteen A330s, twelve of which twelve Phoenixes by 2023 will allow the ramp-up of the army hub in Istres. In 2023 the Air and Space Army (AAE) will be able to project a Rafale squadron (20 aircraft) in 48 hours at the opposite end of the spectrum with ten Phoenix A330s.</p> <p><i>(Technical fact sheet A330 Phoenix abrufbar unter: https://fr.calameo.com/read/000014334ce1669ef8983)</i></p>
<p>afgsc.af.mil 06.05.2021</p>	<p>USAF: B-52 Hypersonic Kill Chain Employment Success</p>	<p>A B-52 Stratofortress from the 49th Test and Evaluation Squadron, Barksdale Air Force Base, Louisiana, conducted a successful simulated hypersonic kill chain employment from sensor to shooter and back during Northern Edge 21, May 5, 2021. During the more than 13-hour sortie from Barksdale AFB to Alaska and back, the B-52 was able to receive target data from sensors via the All-Domain Operations Capability experiment, more than 1,000 nautical miles away miles away at Joint Base Elmendorf-Richardson. Once it received the data from the ADOC-E, the bomber then was able to successfully take a simulated shot of the target from 600 nautical miles away using an AGM-183 Air Launched Rapid Response Weapon.</p>
<p>latribune.fr 06.05.2021</p>	<p>EGY: Egypt: a Rafale contract may hide other commands (spy satellite, MRTT)</p>	<p>Paris has been bailing out French banks for 5.4 billion euros in financing for several arms contracts with Egypt, including the sale of 30 Rafale (nearly 4 billion euros) as well as an observation satellite (Airbus) and two MRTT refuelling aircraft.</p>

		Hubschrauber und Kipprotor-Flugzeuge
dailysabah.com 18.05.2021	PHL: US greenlights Turkey-made attack helicopter sale to Philippines	The United States has approved export licenses to Turkey for the sale of its homegrown T129 Tactical Reconnaissance and Attack Helicopter (ATAK), powered by an American engine, to the Philippines, an official from the manufacturing company said Monday. Philippine Defense Minister announced back on Dec. 7, 2018, that his country will acquire the T129 helicopters and that six units would be purchased initially. The TAI also has a \$1.5 billion (TL 12.54 billion) contract with Pakistan that includes the sale of 30 T129 helicopters that are currently awaiting U.S. permission to export. The TAI has so far delivered a total of 61 T129 ATAK helicopters to the Turkish Land Forces Command, the Gendarmerie General Command and the General Directorate of Security.
tass.com 18.05.2021	RUS: Russia's upgraded Mi-28NM gunship gets next-generation missile armament	<p>The latest Mil Mi-28NM attack helicopter has received next-generation missile and rocket armament, Chief Designer of the Combat Helicopters Program at the Mil and Kamov National Helicopter Center (part of the Russian Helicopters Group within the state tech corporation Rostec) Vitaly Shcherbina told TASS on Tuesday.</p> <p>"In the course of joint work, we focused on expanding the range of air-launched weapons of the helicopter's airborne armament as the basic area of improving Mi-28N baseline helicopters. For the purpose of solving this task, the airborne armament of the Mi-28NM embraced next-generation round-the-clock missiles, including multirole munitions allowing the gunship to strike targets without entering the area of the enemy's effective air defenses, and also next-generation rockets of a broad range of their employment and enhanced capacity, as well as bombing weapons of various caliber," he said. A new light multipurpose missile has proven its worth in the course of its operation, the chief designer stressed.</p> <p>The gun armament of the Mi-28NM attack helicopter has also been upgraded, he said. "Quite a large amount of work was carried out on the Mi-28NM to reduce the gun assembly's weight and dimensional characteristics and the drive control is now digital and more reliable," Shcherbina noted. The latest Mi-28NM attack helicopter is capable of interacting with kamikaze or other types of drones, the chief designer said.</p> <p>The Mi-28NM attack helicopter's integration into the single information and reconnaissance digital space on the battlefield boosts the gunship's combat efficiency, the chief designer stressed. "In this case, the helicopters operate as part of a reconnaissance and strike system and are capable of automatically getting updated information on the enemy and the combat environment in the designated area through information networks from reconnaissance systems, including unmanned aerial vehicles," Shcherbina said.</p>

		<p>The Mi-28NM has a dual control system. As compared to the Mi-28N where the operator in the front cabin was limited in piloting capabilities, the upgraded version offers the possibility of its full-fledged control from any cabin. The new gunship has received a mast-mounted radar, a new sighting and piloting navigation system and an improved radar station. The Russian Helicopters Group announced on June 27, 2019 that it had signed a contract with Russia's Defense Ministry on the delivery of 98 Mi-28NM attack helicopters to the troops in 2020-2027.</p>
<p>gov.uk 13.05.2021</p>	<p>GBR: £1.4-billion modernised Chinook fleet</p>	<p>A £1.4-billion contract to modernise the Chinook fleet over the next 10 years has been agreed. The deal will see British forces benefit from 14 of the latest iconic heavy-lift helicopters. Proven in battle and operated in every major conflict since the Falklands War, the Chinook is a highly-versatile aircraft. The helicopter can operate in a diverse range of environments, from the desert to the arctic, and transport up to 55 personnel or ten tonnes of cargo. With a top speed of 300 kilometres per hour, the new H-47(ER) aircraft will have a range of new capabilities, including: an advanced digital cockpit, a modernised airframe to increase stability and improve survivability and a digital automatic flight control system to allow pilots to hover in areas of limited visibility.</p>
<p>globaltimes.cn 12.05.2021</p>	<p>CHN: PLA practices drone-guided beyond-visual-range helicopter attack</p>	<p>The Chinese People's Liberation Army (PLA) recently conducted a live-fire exercise in which reconnaissance drones guided helicopters in missile attacks on maritime targets beyond visual range, a technique that can boost combat efficiency, bring up the maximum potential of missiles and increase the survival rate of helicopters, a military analyst said on Wednesday.</p> <p>During the exercise, the troops first launched reconnaissance drones from the ground, which then detected, identified and tracked maritime targets from thousands of meters high in the air, and sent the data back to the command center in real time. Upon receiving orders, multiple Z-19 attack helicopters took off and rapidly headed toward the targets at low altitude. Instead of confirming with the naked eye, the pilots launched missiles at the targets based on the guidance of the drones once they entered missile range. Both stationary and moving targets were hit, the report said.</p> <p>The Z-19 attack helicopters also practiced aerial combat after completing surface target shootings, with live air-to-air missiles launched to take down target drones, CCTV reported.</p>
<p>ekathimerini.com 06.05.2021</p>	<p>GRC: First upgraded Aegean Hawk S-70 helicopter delivered to Greek Navy</p>	<p>Greece's Navy received on Thursday the first maintained S-70B helicopter from US manufacturer Lockheed Martin. The inclusion of the 11 Aegean Hawk S-70 helicopters of the Navy in the program was made possible under the intergovernmental agreement between Greece and the US.</p>

		Unbemannte Luftfahrzeuge (UAV) und Robotik
dailysabah.com 20.05.2021	TUR: Turkish Baykar's mass-produced Akıncı UCAV passes 1st test flight	<p>The first mass-produced version of Turkey's state-of-the-art unmanned combat aerial vehicle (UCAV) Akıncı, Bayraktar Akıncı S-1, passed its initial flight test Wednesday. The Akıncı UCAV came following Baykar's success with the Bayraktar TB2 UCAV that was also manufactured locally and is actively used by the Turkish Armed Forces. Akıncı – whose design, software, avionics and mechanics all belong to Baykar – has nearly 100 computer systems. The UCAV, which has 5.5 tons of takeoff weight and a 20-meter (65-foot) wingspan stands out with a total payload capacity of 1,350 kilograms (2,976 pounds) – 400 kilograms internal and 950 kilograms external. Bayraktar Akıncı, apart from the mini smart munition, is set to launch cruise missiles, making the craft a power multiplier when operated on the ground.</p> <p><i>(Ergänzende Information dailysabah.com vom 20.05.2021: Other ammunitions expected to be used on the Akıncı include Roketsan's Cirit laser-guided missile, the laser-guided long-range anti-tank missile (L-UMTAS), Bozok munitions, the within visual range air-to-air missile (WVRAAM), the Bozdoğan and beyond visual range air-to-air missile (BVRAAM) and the Gökdoğan standoff missiles (SOM) developed with resources from the Scientific and Technological Research Council of Turkey's (TÜBİTAK) Defense Industries Research and Development Institute (SAGE). It will also be capable of deploying low-drag general-purpose bombs such as the MK-81, MK-82 and MK-83.)</i></p>
dailysabah.com 18.05.2021	TUR: Turkish defense giant Aselsan's micro-UAV conducts test flight	<p>The test flights of the micro unmanned aerial vehicle (UAV) Saka have been successful, manufacturing company Aselsan said Tuesday. The Saka system weighs around 600 grams (21 ounces) and utilizes a 3-axis gimbal. It was developed for exploration and surveillance purposes, Kotil said. "Saka has advantages over existing UAV systems with features such as its small pocket size, easy transportation with camouflage, ability to work in closed spaces, caves and similar environments, and meeting the need for a shorter range of image transfer. At the end of this year, for the first time in Turkey, we will be introducing a version of Saka weighing less than 500 grams with different features, including original flight controller and image processing unit hardware and software, and data link system," he added.</p>
tasnimnews.com 17.05.2021	IRN: Iran's Army to Get 1,000 New Drones	<p>The Iranian Defense Ministry and the Army on Monday signed a "strategic agreement" on the promotion of drone power and the equipment carried by the unmanned military aircraft. Under phase one of the agreement, the Defense Ministry has undertaken to equip the Army with 1,000 drones in a short time span. In January, the Iranian Army staged a massive war game using various homegrown drones for different operations including aerial interception, launch of air-to-air missiles, detonation of ground targets with bombs and missiles with</p>

		pinpoint accuracy, and suicide strikes. Military officials say the Army experts have dramatically increased the flight endurance of suicide UAVs, manufacturing drones with an operational range of 4,000 kilometers.
dailysabah.com 17.05.2021	TUR: Turkish firm develops mini rocket for small and micro-UAVs	Turkish defense firm Troy Teknoloji Savunma has developed 40-millimeter mini rockets for mini and micro unmanned aerial vehicles (UAVs) within the scope of its research and development (R&D) studies. The mini rocket it recently developed is within the load limits that rotary or fixed-wing, low altitude, mini or micro-UAVs can carry. The rocket's infrastructure is suitable for a wide range of uses. The 170 millimeters long mini ammunition is launched from the 550-millimeter shooter tube. The weight of the rocket corresponds to 500 grams (17 ounces) with a disposable shooter tube. Up to six rockets can be integrated into a mini-UAV. The mini rocket has a maximum range of 2 kilometers (1.24 miles) and operates with an effective range of 100-500 meters (328-1,640 feet). The antipersonnel warhead with a smart plug is effective within a radius of 12 meters. The armor-piercing warhead penetration capability corresponds to the STANAG 4569 Level 2.
en.yna.co.kr 17.05.2021	KOR: S. Korea purchases hydrogen powered-drones for pilot operation	The arms procurement agency said Monday it has signed a deal to purchase hydrogen powered-drones for a pilot operation at the Air Force to boost the military's surveillance capabilities. Under the 831 million won (US\$737,000) contract with Doosan Mobility Innovation Inc., the drones will be delivered to the military by November after six months of production and inspection, according to the Defense Acquisition Program Administration. The hydrogen fuel cell-propelled drones have a greater flight time compared to battery-propelled drones and are equipped with low-noise and low-vibration technologies, allowing the military to carry out surveillance operations with lower risk of being detected, officials said.
defence-blog.com 16.05.2021	U.S. ARMY: U.S. Army is testing a new tube-launched drone system	<p>The U.S. Army is experimenting with an Area-I small Agile-Launch Tactically Integrated Unmanned System drone, or ALTIUS, that is designed to launch from twin-tube launcher assembly mounted on a Polaris DAGOR ultra-light weight vehicle.</p> <p>ALTIUS-600 is part of the ALTIUS family of autonomous tube-launched UAS, or Air Launched Effects (ALE) that are delivered as all-up-rounds (AUR) and available on-demand and operational within minutes. ALTIUS-600 supports Multi-Domain Operations (MDO) system that can be launched from the air, sea, and ground. ALTIUS provides the ability to perform extended-endurance missions with a wide array of payload options. ALTIUS was designed with a modular payload nose to give customers an on-demand UAS solution with a sensor or payload package to meet specific mission needs. ALTIUS-600 has demonstrated successful integration and launch from C-130A, AC-130J, UH-60, P-3, civilian aircraft, ground vehicles, and others.</p> <p><i>(Factsheet ALTIUS-600 abrufbar unter:</i></p>

		https://areai.com/wp-content/uploads/Slick-600-V1.pdf
ga-asi.com 13.05.2021	Gray Eagle ER Enables Joint Terminal Attack Controller Operations	On April 23, 2021, General Atomics Aeronautical Systems Inc. (GA-ASI) demonstrated enhanced situational awareness and targeting capability for ground forces during a company-funded technology demonstration at Yuma Proving Grounds, Ariz. The demonstration focused on enabling a Joint Terminal Attack Controller (JTAC) to control the Electro-optical/Infrared (EO/IR) sensor on a Gray Eagle Extended Range (GE-ER) Unmanned Aircraft System (UAS) and rapidly call for direct and indirect fire on an array of targets. The JTAC was able to see GE-ER video, aircraft location, and sensor field of regard utilizing an Android Team Awareness Kit (ATAK) and a TrellisWare TW-950 TSM Shadow® Radio. Utilizing the GE-ER's open-architecture, the JTAC was able to send digital 'Call for Fires' to request artillery support, and a digital 9-line for Close Air Support with the push of a few buttons. The GE-ER, configured for Multi-Domain Operations, autonomously re-routed its flight path to provide the sensor data that the JTAC requested without commands from the GE-ER operator.
northropgrumman.com 10.05.2021	USN: Northrop Grumman to Advance Triton Sense and Avoid Development	Northrop Grumman Corporation has been contracted by the U.S. Navy to prototype and reduce the risk of integrating sense and avoid (SAA) capabilities into the high-altitude, long-endurance MQ-4C Triton autonomous system. This capability will allow the Triton to safely operate in shared airspace with manned aircraft.
haaretz.com 07.05.2021	RUS: How Russia Uses Israeli Drones to Bomb Civilians in Syria	Over half a decade since Russia introduced the Israeli-designed and licensed Forprost drone into Syria, it's now clear how pivotal a role it has played in Putin's endless bombing campaign in defense of the Assad regime – including the illegal targeting of civilian infrastructure. <i>(Vollständiger Artikel und Video abrufbar unter:</i> https://www.haaretz.com/israel-news/licensed-to-kill-how-russia-uses-israeli-drones-to-bomb-civilians-in-syria-1.9768100?utm_source=mailchimp&utm_medium=content&utm_campaign=weekend&utm_content=7affc2e19b <i>)</i>
bmvg.de 06.05.2021	Anzahl der Heron-Drohnen für MINUSMA-Mission der Bundeswehr in Mali wird erhöht	Im Rahmen der United Nations-Mission MINUSMA-Mission (Multidimensionnelle Intégrée des Nations Unies pour la Stabilisation au Mali)9 klärt die Bundeswehr im Norden Malis mit Heron-Drohnen auf. Nun können zwei Aufklärungsmissionen gleichzeitig und durchhaltefähig durchgeführt werden: Am 5. Mai hat der Haushaltsausschuss des Bundestages die Mittel für eine Verlängerung und Erweiterung des Betreibervertrages für die Heron-Drohnen freigegeben. Mit zukünftig vier statt wie bisher drei Luftfahrzeugen des Typs Heron 1 und drei statt bisher zwei Bodenkontrollstationen kann das deutsche Einsatzkontingent MINUSMA-Mission im Auftrag der Vereinten Nationen zukünftig zwei der unbemannten Aufklärungssysteme gleichzeitig und durchhaltefähig einsetzen. Im Rahmen der UN Nations-Mission MINUSMA ist die Heron 1 in Gao im Norden Malis bereits seit 2016 im Einsatz.

		Bewaffnung und weitere Nutzlasten
defense.gov 17.05.2021	USAF: Lots 4 and 5 AGM-158C LRASM	Lockheed Martin has been awarded a \$7,594,682 firm-fixed-price modification (P00002) to contract FA8682-21-C-0004 for 137 Lots 4 and 5 Long-Range-Anti-Ship Missiles and tooling and test equipment. Work is expected to be completed Sept. 20, 2024.
thehill.com 17.05.2021	ISR: Biden approves \$735M weapons sale to Israel	The Biden administration has approved \$735 million worth of precision-guided weapons to be sold to Israel, a congressional aide confirmed to The Hill on Monday. A majority of the possible sale is of Boeing-made Joint Direct Attack Munitions, equipment that can make unguided bombs dropped from aircraft into guided missiles, the aide confirmed. The sale, which Congress was officially notified of on May 5 was approved five days before Hamas, the militant group that controls the Gaza strip, began firing rockets toward Israel in response to Israeli police action at Al-Aqsa Mosque, has concerned some House Democrats who have pressed the administration to limit military support for the Israeli government in the face of its growing assault on Gaza. At this point, the window for Congress to block the sale is all but closed.
navair.navy.mil 13.05.2021	USN: AMRAAM Completes Two Free Flight Test Shots	The Advanced Medium-Range Air-to-Air Missile (AMRAAM) joint program office completed the second live fire test of the new AIM-120D-3 missile variant, incorporating upgraded hardware into the guidance section on May 12. Combined with software upgrades, AIM-120D-3 will deliver advanced capabilities to improve missile effectiveness against advanced threats for Air Force, Navy, and Allied Partners. This missile shot from an F/A-18F Super Hornet tested the missile's safe separation autopilot and free-flight navigation capabilities. AMRAAM is the world's most sophisticated, combat-proven air dominance weapon. With AIM-120D-3 production deliveries beginning in 2023, the AIM-120 missile will continue to meet warfighter requirements in all weather and beyond visual range engagements. Its capabilities have been fully demonstrated in over 4,900 test shots and more than 13 air-to-air combat victories.
taiwannews.com.tw 13.05.2021	TWN: Taiwan Air Force test fires US-made AIM-120 missile for first time ever	The Taiwan Air Force test-fired its AIM-120 advanced medium-range air-to-air missiles (AMRAAM) on Tuesday morning (May 11), marking the first time the American-made projectile was launched in the nation. Four F-16V fighter jets, each armed with two medium-range AIM-120 missiles and two short-range AIM-9X missiles, lifted off from Chiayi Air Force Base on Tuesday at 5:35 a.m. After flying in formation, two of the jets each launched an AIM-120 missile, both of which successfully hit their targets. After completing the drill, all four aircraft returned to base at 6:30 a.m. The U.S. first agreed to sell 200 AIM-120 missiles to Taiwan in September 2000, but at the time it stored the weapons in Guam. It was not until China acquired the Russian-made Vympel NPO R-77 missile in 2003 that Washington shipped the AMRAAMs to Taiwan. In 2007, the MND purchased 218 more

		<p>AIM-120s and deployed them in Hualien and Chiayi for its F-16 fleet stationed there. MND officials pointed out that Taiwanese Air Force pilots first test-fired the AIM-120 at Guam's Andersen Air Force Base in October 2000, while the second time was at an air force base in Arizona in early 2001. Tuesday's exercise was the first time the weapon was fired in Taiwan.</p>
<p>nellis.af.mil 11.05.2021</p>	<p>USAF: Project Strike Rodeo: F-15E loaded with five JASSMs</p>	<p>The 85th Test and Evaluation Squadron completed a munitions proof-of-concept called Project Strike Rodeo, May 11, 2021, that validated loading five AGM-158 Joint Air-to-Surface Standoff Missiles (JASSM) on an F-15E Strike Eagle. This lays the foundation for follow-on flight testing that would more than double the F-15E's current JASSM-carrying capacity. With the successful execution of this load test, Project Strike Rodeo went from idea to execution in five months.</p> <p><i>(Ergänzende Information nellis.af.mil vom 11.05.2021: Some warfighters hypothesized that using a formation of fighters instead of a single bomber to employ the JASSM salvo could not only reduce the size and complexity of the strike package required to execute the mission, it would also distribute mission risk across the force. Unfortunately, the maximum number of JASSMs any fighter can currently carry is two, meaning though the idea is feasible it wasn't viable based on the number of fighters required, unless... a fighter could carry more JASSMs. With this idea in mind, the F-15E Strike Eagle was the platform considered for taking on the task of carrying more JASSMs, and Project Strike Rodeo was born.)</i></p> <p><i>(Ergänzende Information flightglobal.com vom 20.05.2021: In May, the USAF demonstrated that an F-15E could carry five Lockheed AGM-158 Joint Air-to-Surface Standoff Missiles (JASSMs); more than double its current capacity. The stealthy JASSM has a range of 200nm (370km). Adding long-range electronic attack and missile capabilities to the F-15 appear to be intended to keep the fourth-generation fighter relevant against adversaries such as China and Russia which are fielding a growing number of sophisticated surface-to-air missiles and stealthy aircraft.)</i></p>
<p>diehl.com 10.05.2021</p>	<p>Convincing Sidewinder Air-to-Ground Mission</p>	<p>During a firing campaign with the new Laser Guided Sidewinder (LaGS) developed by Diehl Defence, all targets could be successfully engaged in Sweden in mid April. The laser-guided missiles fired from a Saab Gripen JAS 39 did not only hit the stationary ground targets but also the two moving targets – a target board measuring 2 by 3 meters pulled on a trailer as well as a driving SUV. All targets were successfully countered with one direct hit. It was the second verification firing on the Northern Scandinavian test range in Vidsele, carried out by the Federal Office of Bundeswehr Equipment, Information Technology and In-Service Support (BAAINBw) in cooperation with the Swedish procurement agency FMV.</p> <p>Since the early 1960s, Diehl Defence has been producing different types of the American Sidewinder in relatively large quantities for the European NATO partners and still offers worldwide refurbishment and modernization for the internationally successful air-to-air missile today. In 2016, Diehl Defence received a development contract</p>

		for the reconstruction of AIM-9L-Sidewinders to a "motor driven short-range effector" in order to be able to engage targets on the ground instead of targets in the air. For this purpose, the missile's guidance and control section has been modernized fundamentally. The infrared detector and signal processing unit of the seeker were replaced by a SAL (Semi Active Laser) sensor with modern digital signal processing.
navair.navy.mil 07.05.2021	USN: Navy completes F/A-18, AARGM-ER flight with separation test vehicle	<p>The U.S. Navy completed an Advanced Anti-Radiation Guided Missile – Extended Range (AARGM-ER) captive carry flight on an F/A-18 Super Hornet April 22 at Patuxent River in support of the first live fire event this spring. This flight marked the first time the AARGM-ER weapon demonstrated it could communicate with the F/A-18 E/F aircraft. During the test, the F/A-18 Super Hornet conducted a series of aerial maneuvers in order to evaluate compatibility of the AARGM-ER with the F/A-18 Super Hornet. The test points completed during this flight test event substantiated F/A-18 carriage compatibility. AARGM-ER is being integrated on the F/A-18E/F and EA-18G, and will be compatible for integration of the F-35. By leveraging the U.S. Navy's AARGM program that's 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/AARGM-ER abrufbar unter: https://www.navair.navy.mil/product/aargm)</i></p>
		Air Power
jpost.com 21.05.2021 03:19 AM	ISR/GAZA: Israel announces 'mutual and unconditional' ceasefire with Hamas	<p>Egyptian security source - whose country has been mediating between the sides - said they had agreed in principle to a mutual halt in hostilities. Egyptian President Abdel Fattah al-Sisi thanked US President Joe Biden for his role in the success of the Egyptian brokered ceasefire between Israel and Hamas. The Israeli security cabinet unanimously agreed to a "mutual and unconditional" cessation of hostilities, according to a statement from the Prime Minister's Office. US Prime Minister Benjamin Netanyahu did however inform the IDF to prepare for a scenario in which Hamas did not respond to Egypt's ceasefire offer, N12 news reported.</p> <p><i>(Ergänzende Information @idf 21.05.2021 00:48 AM: 4,340+ rockets have been fired at Israel since last Monday by terrorists in Gaza, of which approximately 640 failed launches fell in the Gaza Strip.)</i></p> <p><i>(Ergänzende Information jpost.com vom 21.05.2021 01:58 AM: US President Joe Biden promised to replenish Israel's Iron Dome system and to help rebuild Gaza in a brief address he delivered at the White House shortly after the announcement that a truce had been reached to end 11 days of IDF-Hamas conflict on Thursday evening.)</i></p>

		<i>(Ergänzende Information timesofisrael.com vom 21.05.2021 02:17 AM: Violence continues until minutes before ceasefire goes into effect at 2 a.m)</i>
taiwannews.com.tw 20.05.2021 19:09 PM	TWN/CHN: China flies 2 fighter-bombers over median line in Taiwan Strait	On Thursday afternoon, the Ministry of National Defense (MND) announced that one Y-8 electronic warfare plane and one Y-8 anti-submarine warfare aircraft penetrated into the southwest corner of Taiwan's ADIZ, while two Xian JH-7 fighter-bombers crossed the Taiwan Strait median line. This marks the first time that China has sent JH-7 fighter-bombers into Taiwan's ADIZ since Feb. 23, the first fighter or bomber to encroach on the zone in the month of May, and the first median line incursion this year.
jpost.com 20.05.2021 01:26 AM	ISR/GAZA: Hamis dealt heavy blow, 'surprised' by Israeli response, analysts say	<p>Hamis has been dealt a heavy blow after severely miscalculating the Israeli response to its rocket attacks, analysts believe. Hamis and the Palestinian Islamic Jihad have so far lobbed nearly 4,000 rockets from Gaza into Israeli territory in less than two weeks. Israel's Iron Dome missile defense system has successfully managed to intercept the majority of these in midair. Nevertheless, 12 Israelis have been killed and hundreds more injured. On the Palestinian side, some 219 people have been killed in the ongoing flare-up, according to Gaza's health ministry. Of those, Israel has said that at least 150 were combatants.</p> <p><i>(Ergänzende Information besacenter.org vom 20.05.2021: Israel had struck more than 820 military targets by Tuesday night, while the terror organizations fired more than 3,500 rockets at Israeli cities, towns, and villages. By comparison, during the 51-day conflict in 2014 Hamas and other terror factions fired 3,393 projectiles at Israel, a number that they surpassed within a week in this round of fighting. Similarly, the IDF struck 180 Hamas and PIJ targets in 2020, meaning that the Israeli military hit far more targets last week than in the previous year.)</i></p> <p><i>(Ergänzende Information besacenter.org vom 20.05.2021: Hamas has been working hard trying to surprise Israel with new kinds of attacks, including the launching of six UAVs out of Gaza. The IDF intercepted all of them, using, for the first time, Iron Dome to do so, as well as F-16 missiles. Iron Dome's intercepting of an attack UAV "is a huge advancement in active air defenses," he said. According to the IDF, such UAVs can fly at least 100 kilometers, are GPS-guided, and have explosives on-board. "The UAVs have a warhead. They're not just collecting intelligence. They can crash into a residential building in the middle of the city, or a strategic location like an electric power plant," said the source.)</i></p> <p><i>(Ergänzende Information jpost.com vom 20.05.2021 01:23 AM: US President Joe Biden told Prime Minister Benjamin Netanyahu he expects Israel to move towards a ceasefire with Hamas on Wednesday, but Netanyahu said Operation Guardian of the Walls will continue until Israeli citizens are secure.)</i></p> <p><i>(Ergänzende Information @idf vom 20.05.2021 02:02 AM: In the last 24 hours, our aircraft struck Hamas aerial defense compounds & a large number of Hamas multi-barrel rocket launchers aimed at Israel.)</i></p>

		<p><i>(Ergänzende Information timesofisrael.com vom 20.05.2021 03:51 AM: The IDF is currently striking targets throughout the Gaza Strip, according to the Hamas-affiliated Palestinian Information Center, which has been posting footage of the explosions.)</i></p> <p><i>(Ergänzende Information @iafsite vom 20.05.2021 07:00 AM: As of 07:00, since the beginning of operation "Guardian of the Walls", approximately 4070 rockets have been fired from the Gaza Strip at Israeli territory, of which approximately 610 failed launches fell in the Gaza Strip.)</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 20.05.2021 11:41 AM: The Israel Defense Forces says it has destroyed a number of Hamas targets throughout the Gaza Strip this morning, including an attack tunnel, command-and-control center and two underground launchpads. The military says it bombed an attack tunnel located near the northern Gaza city of Beit Hanoun, as well as two underground launchpads in Jabaliya, north of Gaza City, which the IDF says was used to fire rockets at Tel Aviv earlier this week. In addition, the IDF says its fighter jets destroyed a Hamas command center "from which the organization oversaw the combat in the current round of fighting.")</i></p> <p><i>(Ergänzende Information @iafsite vom 20.05.2021 02:27 PM: A short while ago, IAF fighter jets struck two Hamas terror tunnels that were under construction in Gaza City and in the area of Beit Hanoun. In addition, an IAF fighter jet struck a Hamas military tunnel shaft located inside a building in Beit Hanoun.)</i></p> <p><i>(Ergänzende Information jpost.com vom 20.05.2021 17:30 PM: The drone Israel shot down near the border with Jordan on Tuesday 18.05.2021 was Iranian, Prime Minister Benjamin Netanyahu said on Thursday. "While we were engaged in these hostilities a few days ago, Iran sent an armed drone from Iraq or from Syria," Netanyahu told German Foreign Minister Heiko Maas, who was in Jerusalem. "Iranian forces launched an armed drone, which our forces intercepted on the border between Israel and Jordan.)</i></p>
<p>tass.com 19.05.2021 21:35 PM</p>	<p>RUS/USAF: Russian Su-27 fighter scrambled to intercept US bomber over Baltic Sea</p>	<p>A Su-27 fighter jet of the Baltic Fleet's air defense units on duty was scrambled to identify the air target and to intercept it in order to prevent the violation of the state border of the Russian Federation. The pilot of the Russian fighter jet identified the air target as a B-52N strategic bomber of the US Air Force's Air Force Global Strike Command and shadowed it over the Baltic Sea.</p>
<p>timesofisrael.com 19.05.2021 00:20 AM</p>	<p>ISR/GAZA: Hamas says it was aiming at 6 IAF bases in last barrage</p>	<p>The Hamas terror group claims to have launched rockets at six Israeli Air Force bases in southern and central Israel during the last barrage. "The bases that the Al Qassam Brigades targeted are Hatzor, Hatzerim, Nevatim, Tel Nof, Palmachim, and Ramon," the terror group says. There are no reports of injuries or damage in the latest bombardment.</p>

		<p><i>(Ergänzende Information timesofisrael.com vom 19.05.2021 08:35 AM: Israel Defense Forces Spokesperson Hidaï Zilberman on Wednesday morning said the military had no indications that a rocket struck any of its air bases. In one case, a projectile landed in an open field well outside the Tel Nof base near Rehovot, he said.)</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 19.05.2021 08:35 AM: According to the IDF, over the course of Tuesday night and Wednesday morning some 50 rockets were fired toward Israel from Gaza, with 10 of them failing to clear the border and landing inside the Palestinian enclave. No injuries or damage was reported in the overnight attacks, indicating that the remaining 40 projectiles were either intercepted by the Iron Dome or struck open areas.)</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 19.05.2021 08:35 AM: In one round of strikes on Tuesday night, 52 Israeli Air Force jets using over 120 bombs struck an underground tunnel network in southern Gaza, destroying some 12 kilometers (7.5 miles) (40 underground sites) of it over the course of 25 minutes, according to the IDF spokesman.)</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 19.05.2021 09:26 AM: After a series of nighttime strikes in Gaza, the IDF says is conducted another air raid a short while ago that targeted a Palestinian Islamic Jihad weapons manufacturing site. The military says the bombed site is in Deir el-Balah in the central Strip.)</i></p> <p><i>(Aufschlussreiches IDF video of strike on concealed rocket launcher in residential area abrufbar unter: https://twitter.com/i/status/1394905094651621378)</i></p> <p><i>(Ergänzende Information "idf vom 19.05.2021 03:56 PM: 4 rockets were just fired from Lebanon at northern Israel, 1 of which was intercepted by the Iron Dome. In response, IDF artillery forces are striking a number of targets in Lebanon.)</i></p> <p><i>(Ergänzende information timesofisrael.com vom 19.05.2021 06:42 PM: Netanyahu says that "every day we are hitting more capabilities of the terror organizations, bringing down more terror towers, hitting more weapons caches." He does not comment on US President Joe Biden telling him to move towards de-escalation, as per the White House. He says only that he greatly appreciates Biden's support of Israel's right to defend itself and adds: "I am determined to continue this operation until its goal is achieved — to bring back peace and security to you, the citizens of Israel.")</i></p> <p><i>(Ergänzende Information @iafsite vom 19.05.2021 19:00 PM: As of 19:00, since the beginning of operation "Guardian of the Walls", approximately 4000 rockets have been fired from the Gaza Strip at Israeli territory, of which approximately 600 failed launches fell in the Gaza Strip.)</i></p>
tass.com 18.05.2021	RUS: Two Russian Tu-95MS strategic bombers	"Two Tu-95MS strategic missile-carrying bombers of long-range aviation performed a scheduled flight in the airspace over the neutral waters of the Black Sea," the statement says. The crews of Su-27 fighters of the Southern Military District's Air Force and Air Defense Army provided support for the strategic bombers during the flight that lasted over five hours, the ministry said. The crews of Russian long-range aircraft regularly perform

	perform scheduled flight over Black Sea	<p>flights over the neutral waters of the Arctic, the North Atlantic, the Black and Baltic Seas and the Pacific Ocean, it said.</p> <p><i>(Ergänzende Information eng.mil.ru vom 18.05.2021: wo Tu-160 long-range strategic missile carriers of the Russian Aerospace Forces performed a planned flight over the neutral waters of the Barents Sea. Fighter escort was provided by the crews of MiG-31 aircraft of the Northern Fleet air force and air defence formation.)</i></p>
jpost.com 18.05.2021 06:07 AM	ISR/GAZA: Rocket barrage renews after six hours of quiet, IDF strikes in Gaza	<p>After a night of quiet, Hamas renewed its rocket fire with a fresh barrage towards the Gaza border communities and the Negev area early on Tuesday morning. Other than that, the only exchange of fire to occur during the night was on the Israeli-Lebanese border, when six rockets were launched from southern Lebanon towards Israel, landing in Lebanese territory, leading to an IDF retaliation. Israeli warships attacked targets off the coast of the Gaza Strip early Tuesday morning. At the same time, reports have come in of a series of Israeli airstrikes in the Strip, according to N12. Al-Jazeera said that during the night, about 30 airstrikes were carried out by Israel in the Gaza Strip. Other Palestinian sources claimed more than 60 airstrikes were carried out in addition to naval attacks near the shores of Rafah and Khan Yunis, Walla news reported.</p> <p><i>(Ergänzende Information @iafsite vom 18.05.2021 09:28 AM: IAF fighter jets and aircraft struck the Hamas terror organization's 'Metro' tunnel system in the northern Gaza Strip for the fourth time. In the strike, approximately 65 terror targets were struck by 62 IDF fighter jets using approximately 110 guided armaments.)</i></p> <p><i>(Ergänzende Information debka.com vom 18.05.2021 12:00 AM: The IDF reckons to have destroyed 130km of the "Hamas metro," mostly in southern Gaza. On Tuesday, the air force was ready to start demolishing the northern section of the sprawling underground network.)</i></p> <p><i>(Ergänzende Information @iafsite vom 18.05.2021 12:11 PM: Since 08:00 this morning, IAF fighter jets and aircraft identified and struck nine underground and above-ground rocket launch sites in the Gaza Strip.</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 18.05.2021 10:45 PM: Israeli jets have launched dozens of successive airstrikes in the Gaza Strip in the last 30 minutes, Gazan media reports. The strikes were concentrated in the eastern parts of Khan Yunis, the reports say.)</i></p>
taiwannews.com.tw 18.05.2021 10.08 AM	TWN/CHN: Chinese electronic warfare plane enters Taiwan's ADIZ	<p>A Chinese military turboprop entered Taiwan's air defense identification zone (ADIZ) on Monday morning (May 17), marking the 10th intrusion this month. One People's Liberation Army Air Force (PLAAF) Shaanxi Y-8 electronic warfare plane flew into the southwest corner of the ADIZ, according to the Ministry of National Defense (MND). In response, Taiwan sent aircraft, issued radio warnings, and deployed air defense missile systems to track the PLAAF airplane.</p>

<p>airforcemag.com 17.05.2021</p>	<p>USAF: B-52s Simultaneously Operate in Europe, Middle East, and Indo-Pacific Theaters</p>	<p>B-52s deployed to Morón Air Base, Spain, on May 17 for a bomber task force deployment, making Europe the third area of operations where Stratofortresses are operating. The bomber task force of B-52s from the 2nd Bomb Wing at Barksdale Air Force Base, Louisiana, will participate in joint and allied training in both Europe and Africa. B-52s are also deployed to the Middle East for combat operations out of Al Udeid Air Base, Qatar, and there also is a task force of B-52s deployed to Andersen Air Force Base, Guam.</p>
<p>gov.uk 17.05.2021</p>	<p>GBR: Update: air strikes against Daesh</p>	<p>On Tuesday 11 May, Iraqi security forces encountered a group of Daesh terrorists in a strong defensive position some twenty five miles south west of Mosul. Coming under heavy small arms fire from the terrorists, the Iraqi troops requested air support from the global coalition, and a pair of Royal Air Force Typhoon FGR4s responded promptly. Liaising closely with the Iraqis, our aircraft attacked the Daesh terrorists with two Paveway IV precision guided bombs. The bombs hit the target and eliminated a number of the Daesh extremists. The Iraqi forces were then able to assault the position successfully and overwhelm the few remaining terrorists.</p>
<p>jpost.com 17.05.2021 02:04 AM</p>	<p>ISR/GAZA: Target Planning</p>	<p>Hamas deliberately hides military targets in residential buildings and civilian areas. When we plan a target, we dedicate resources to minimize civilian harm. These measures depend on feasibility, available resources, time & available information. Depending on the target, some measures include:</p> <ul style="list-style-type: none"> ◦ planning the angle & time of the attack ◦ operational analysis of expected civilian harm ◦ advanced warning ◦ roof knocking <p><i>(Luftaufnahmen "Hamas rocket launch sites located in civil areas" abrufbar unter: https://twitter.com/IDF/status/1394081440615256071/photo/1) Grossbild durch anklicken!</i></p> <p><i>(Ergänzende Information @iafsite vom 17.05.2021 04:39 AM: Over the last few hours, IAF fighter jets and aircraft struck nine residences belonging to Hamas terror organization high ranking commanders in the Gaza Strip. The residences that were struck were used as terror infrastructure. Some of the residences were used to store weapons. In addition our fighter jets neutralized 9.3 miles of the Hamas 'Metro' terror tunnel system overnight.)</i></p> <p><i>(Ergänzende Information jpost.com vom 17.05.2021 02:35 AM: Hamas rocket barrages on southern Israel continued Sunday with almost 300 projectiles launched at Israel since Saturday, 120 on Saturday night alone.</i></p>

		<p><i>(Ergänzende Information @iafsite vom 17.05.2021 07:24 AM: Overnight, the IAF conducted a third round of strikes against the Hamas 'Metro' tunnel system in the northern Gaza Strip. As part of the strike, approximately 15 kilometers of the tunnel system were struck by 54 fighter jets. The latter dropped some 110 precision munitions on 35 targets in 20 minutes.)</i></p> <p><i>(Ergänzende Information @idf vom 17.05.2021: Operational Update *Guardian of the walls" 10.05.2021-17.05.2021: 820+ Terror targets struck; 130+ Terrorists neutralized; 500 Hamas rockets misfired; 3350+ rockets fired at Israel; 10 Israeli killed and 90% Iron Dome interceptions.)</i></p>
defensenews.com 17.05.2021	ISR: Iron Dome intercepts drone during combat for first time, says Israeli military	<p>Israel's Iron Dome air defense system has intercepted a drone belonging to the Hamas militant group, a first for the platform, according to the country's defense forces. In total, Israel has intercepted six drones using multiple countermeasures since hostilities began between Israel and Hamas on May 10, the Israel Defense Forces said Monday. A senior Air Force officer described the interception as a significant advancement. Israeli media on May 13 reported that several drones were launched from the Gaza Strip. An F-16 fighter jet with a Python-5 air-to-air missile downed one of the drones, and an Iron Dome system intercepted another. Other drones were downed by "classified means," local daily Yediot Ahronot reported.</p>
jpost.com 16.05.2021 02:58 AM	ISR/GAZA: Intensive IAF strikes continue to target Gaza	<p><i>The Israel Air Force has been hitting numerous targets in the Gaza Strip over the past several hours, according to Palestinian and Hebrew media reports. According to the Walla news site, over 100 airstrikes have been carried out in the past hour, mostly in north and central Gaza. 03:42 AM: Of the 12 rockets fired at Beersheba within the hour, five were intercepted by the Iron Dome missile system and seven were allowed to fall in open areas, local authorities say. 06:20 AM: The IDF releases the names and photos of over 30 "central" Hamas and Palestinian Islamic Jihad members that it has killed in the fighting in Gaza. The IDF says it has also killed dozens more lower-ranking operatives from the terror groups.</i></p> <p><i>(Ergänzende Information @idfsite vom 16.05.2021 08:09 AM: Video releases of last nights attack on the Hamas tunnel network "the metro" Phase 2 of the military operation abrufbar unter: (https://twitter.com/i/status/1393810916978872320)</i></p> <p><i>(Ergänzende Info @iaf.site vom 16.05.2021 08:16 AM: As of 07:00, since the beginning of operation "Guardians of the Walls", approximately 2,900 rockets have been fired from the Gaza Strip towards Israeli territory, of which approximately 450 failed launches fell in the Gaza Strip. Iron Dome Air Defense soldiers have intercepted approximately 1,150 rockets. In response to continuous rocket fire at Israeli territory, over the last 24 hours, IAF fighter jets and aircraft struck over 90 Hamas and Islamic Jihad terror targets throughout the Gaza Strip. Over the last day, the IAF struck approximately 40 rocket launch sites aimed towards central and southern Israel. As part of the continuing wave of strikes on the Hamas 'Metro' tunnel system, about thirty targets were attacked by IAF fighter jets using approximately 100 guided armaments.)</i></p> <p><i>(Ergänzende Information jpost.com vom 16.05.2021 14:17 PM: Israel shared intelligence with the US showing how Hamas operated inside the same building with the Associated Press and Al-Jazeera in Gaza, officials in Jerusalem said on Sunday.</i></p>

		<p>Officials in more than one government office confirmed that US President Joe Biden’s phone call to Prime Minister Benjamin Netanyahu on Saturday was, in part, about the bombing of the building 15.05.2021, and that Israel showed Biden and American officials the intelligence behind the action. “We showed them the smoking gun proving Hamas worked out of that building,” a source close to Foreign Minister Gabi Ashkenazi said. “I understand they found the explanation satisfactory.”)</p> <p>(Ergänzene Information @idf vom 16.05.2021 18:21: In response to the continuing rocket attacks from Gaza at Israel, we struck the entrance of a Hamas tunnel containing military equipment, as well as Hamas Internal Security's offices in Gaza.)</p> <p>(Ergänzende Information @idf vom 16.05.2021: 20:11 PM: Hamas and Islamic Jihad have fired 3,100 rockets from Gaza in the past 7 days. That's the highest daily rate of rocket fire that Israel has faced in the history of the country.)</p> <p>(Ergänzende Information voanews.com vom 16.05.2021 21:50 PM: Since the fighting began on May 10, at least 197 Palestinians have been killed, including at least 58 children and 34 women, according to Gaza’s Health Ministry. Israeli airstrikes Sunday, 16.05.2021 on Gaza City killed at least 33 people, including eight children, according to Gaza’s Health Ministry. It was the deadliest attack since the current round of fighting broke out last week between Israel and Hamas. At least 10 Israelis have been killed in the rocket attacks.)</p>
<p>jpost.com 15.05.2021 11.07 AM</p>	<p>ISR/GAZA: Homes in southern Israel sustain direct hits as rockets rain down</p>	<p>Some 200 rockets were launched from the Gaza Strip between 7 p.m. Friday and 7 a.m. Saturday, the IDF reported. Some 30 of these rockets fell back into the Gaza Strip. Another 100 rockets were intercepted by the Iron Dome missile defense system. Over 2,000 rockets have been launched from the Hamas-run enclave since the start of the fighting on Monday.</p> <p>(Ergänzende Information @iaf vom 15.05.2021 11:11 AM: As of 07:00, since the beginning of operation "Guardians of the Walls", approximately 2300 rockets have been fired from the Gaza Strip at Israeli territory, of which approximately 380 failed launches fell in the Gaza Strip. The Iron Dome Air Defense System has intercepted approximately 1000 rockets.)</p> <p>(Ergänzende Information jpost.com vom 15.05.2021 16:13 PM: The IAF also struck a high rise building in Gaza that housed several media outlets including Al Jazeera and the Associated Press on Saturday afternoon. The residents of the building, which also housed a number of apartments and other offices, were warned ahead of the strike to evacuate the building. The IDF said that the building, which was hit by fighter jets, contained “military assets of the military intelligence” of Hamas. “The building housed the offices of civilian media, which the terrorist organization Hamas hides behind and uses as human shields. The terror organization Hamas deliberately places its military assets in the heart of the civilian population in the Gaza Strip,” the IDF said in a statement, adding that “prior to the attack, the IDF warned the civilians who were in the building and gave them sufficient time to evacuate.” IDF forces struck Saturday afternoon 20 rocket launching sites that were aiming at central and southern Israel, the Spokesperson's Unit reported.)</p>

		<p><i>(Ergänzende Information jpost.com vom 16.05.2021 04:39 AM: Hamas rocket barrages on southern and central Israel continued throughout the day on Saturday 14.05.2021 with almost 300 projectiles flying toward Israel. Shortly after the barrage of rockets, the IDF began a wave of airstrikes in the Gaza Strip, hitting over 150 targets, including the home and office of Hamas leader Yahya Sinwar, with a number of deaths and injuries reported, according to Palestinian media. Close to 300 rockets were launched from the Gaza Strip between 7AM on Saturday until 9 p.m. with about 40 of them falling short into the Gaza Strip. Dozens of other rockets were intercepted by the Iron Dome missile defense system. Over 2,000 rockets have been launched from the Hamas-run enclave since the start of the fighting on Monday.)</i></p>
<p>jpost.com 14.05.2021 00:55 AM</p>	<p>ISR/GAZA: IDF: Air and ground troops attacking in Gaza Strip</p>	<p>IDF air and ground troops attacked in the Gaza Strip Thursday night, the IDF Spokesperson's Unit reported. The Israeli military has struck over 700 Hamas targets since Operation Guardians of the Walls began on Monday, including senior commanders and attack drones launched by the terror group. In the four days since Operation Guardians of the Walls began, an operation which is 95% airstrikes, over 700 Hamas targets have been hit by the Israeli Air Force and 60 operatives including senior commanders, have been killed.</p> <p><i>(Ergänzende Information timesofisrael.com vom 14.05.2021 02:58 AM: The Israel Defense Forces clarifies that there are currently no IDF ground troops inside the Gaza Strip.)</i></p> <p><i>(Ergänzende Information alarabiya.net vom 14.05.2021 04:56 AM: Ongoing Israeli airstrikes have so far killed 109 Palestinians in Gaza, including 28 children and 15 women, the Ministry of Health reported on Thursday. Meanwhile, 621 people have been reported wounded since the strikes began more than three days ago, according to the ministry.)</i></p> <p><i>(Ergänzende Information @idf vom 14.05.2021 05:22: Hamas and Islamic Jihad have fired over 1750 rockets toward Israel. The rockets have killed 7 civilians and injured over 523 and hit a school, hospital, bus, and multiple homes. In response, the IDF has struck over 650 terror targets in Gaza, including rocket launch sites, 10 attack tunnels, and killed over 100 Hamas and Islamic Jihad operatives.)</i></p> <p><i>(Ergänzende Information iaf vom 14.05.2021: Our jets and aircraft just struck a number of Hamas launch sites and observation posts in Gaza. Throughout the night, approximately 160 IAF aircraft from 12 squadrons struck over 150 underground targets in the northern Gaza Strip. During the strikes, the purpose of which was to severely damage the strategically important underground tunnels belonging to Hamas, many kilometers of the tunnel network were destroyed. A short while ago, the Iron Dome Air Defense System intercepted a UAV that crossed from the Gaza Strip into Israeli territory. The Israeli Air Force monitored the UAV until its interception. A Hamas cyber intelligence storage cell in the northern part of the Gaza strip was also destroyed by IDF forces on Friday, according to IDF Spokesperson. The operation was carried out with the IDF Communications and Cyber Defense division and the Israeli Air Force.)</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 10:04 AM: Some 160 aircraft flying simultaneously conducted a massive attack on a network of tunnels dug by the Hamas terror group under the northern Gaza Strip around midnight Thursday in</i></p>

		<p><i>the largest Israeli strike since the outbreak of fighting earlier this week, the military said Friday. According to the Israel Defense Forces, in this air campaign, which lasted nearly 40 minutes, some 450 missiles were dropped on 150 targets in northern Gaza, particularly around the city of Beit Lahiya. In all, 80 tons of explosives were used. The military said it was still working to determine the extent of the damage caused to the underground infrastructure, which IDF Spokesperson Hidai Zilberman told reporters was a “strategic asset” to Hamas, and the number of terrorist operatives killed in the strikes.)</i></p> <p><i>(Ergänzende Nachrichten nzz.com vom 14.05.2021:Das Tunnelsystem der Hamas ist ein ausgeklügeltes Geflecht von weit verzweigten Gängen und Lagerräumen, die unter dem dicht bevölkerten Küstenstreifen von Gaza liegen. Dort befinden sich Verbindungswege, Bunker, Waffenwerkstätten und -lager sowie Nachschub- und Fluchtrouten. Wegen seiner grossen Ausdehnung spricht man in israelischen Militärkreisen von der «Metro» Gazas.</i></p> <p><i>(Einsatzvideo “IDF strikes Hamas underground network (Video credit: IDF)” abrufbar unter: https://www.jpost.com/arab-israeli-conflict/israel-keeps-up-pressure-on-hamas-with-non-stop-bombings-of-gaza-668170)</i></p> <p><i>(Ergänzende Nachrichten haaretz.com vom 14.05.2021 vom 14.05.2021 04:07PM: The massive tunnel network, spanning several thousand kilometers, was built by Hamas after the 2014 war to prepare for war against Israel)</i></p> <p><i>(Ergänzende Information @idf vom 14.05.2021 08:52 PM: BREAKING: 3 rockets were just fired from Syria toward Israel, 1 of which fell in Syria.)</i></p>
<p>jpost.com 13.05.2021 06:09 A</p>	<p>ISR/GAZA: A night of bombing raids by Israel of Hamas targets across the Gaza Strip</p>	<p>The Thursday morning barrage came after a night of bombing raids by Israel of Hamas targets across the Gaza Strip, including the destruction of the group's internal security headquarters in Khan Younis, in the southern Gaza Strip as well as additional targets. Sirens sounded early Thursday across the Center and South of the country, as well as in northern Israel, as far as the Galilee region, a rare occurrence. A rocket fired from the Gaza Strip on Thursday morning scored a direct hit on a home in Petah Tikva. Five people were treated for injuries.</p> <p><i>(Ergänzende Information @iaf vom 13.05.2021 07:53 AM: At this time, 1500+ rockets have been fired at Israeli territory from the Gaza Strip, endangering the lives of millions of civilians. Iron Dome combat soldiers successfully intercepted hundreds of rockets.)</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 13.05.2021 09:29 AM: On Wednesday night 12.05.2021 and Thursday 13.05.2021 morning, the Israeli military expanded its targets in the Gaza Strip to include institutions that Hamas uses to rule the Palestinian enclave, notably its treasury and banks, IDF Spokesperson Hidai Zilberman said. In addition, the Israeli Air Force bombed Hamas’s internal security headquarters, which was used in counterintelligence operations, destroyed the home of Iyad Tayeb, a battalion commander in Hamas’s military wing, and killed a squad of Hamas’s naval forces, Zilberman said. In one case in the predawn hours of Thursday morning, the IDF destroyed a Hamas bunker that had been</i></p>

		<p>built under a school “and in proximity to other civilian buildings.” (@idf: Hamas has been using a school—in close proximity to civilian buildings including a hospital—to hide a terror tunnel.) Israel accuses the terror group of deliberately positioning military targets in densely populated areas to use the civilians nearby as human shields. According to Zilberman, the IDF has destroyed most of Hamas’s domestic rocket production capabilities, bombing a large number of weapons production and storage facilities. However, he said that the military will struggle to continue striking weapons caches, which are spread throughout the Strip. “If there were any warehouses with 100 rockets, they were destroyed in the first day of the operation,” Zilberman said. In total, the IDF on Thursday said it had bombed upwards of 600 targets in the Strip, over 100 of them over the previous 24 hours.)</p> <p>(Ergänzende Information jpost.com vom 13.05.2021 18:01 PM: Hamas launched suicide drones laden with explosives into Israel on Thursday. At least two were intercepted midair in central Israel by the IDF. The drone attacks were preceded by the firing of 20-30 long-range rockets toward central Israel, including Tel Aviv, and as far south as Eilat. Four people were injured. Subsequent UAV warnings were sounded in the area of Nachal Oz and Alumim near the Gaza border. The alleged target of one of the UAVs was an Israeli gas rig in the Mediterranean. It was not specified which one. Since the fighting began, the Israeli Air Force downed three Hamas drones, some laden with explosives, that crossed into Israel. The drones were downed by the IAF using a Python-5 missile and Iron Dome missile batteries before crossing into Israel while others exploded in the air somewhere in central Israel. A total of 1,600 rockets have been fired toward Israel since Monday, with a third of them falling inside the Gaza Strip.)</p> <p>(Ergänzende Information @iaf vom 13.05.2021 18:50 PM: At this time, approximately 1750 rockets have been fired from the Gaza Strip towards Israeli territory, of which approximately 300 failed launches fell in the Gaza Strip. The Iron Dome Air Defense System has intercepted hundreds of rockets.)</p> <p>(Ergänzende Information jpost.com vom 13.05.201 21:00 PM: Over 750 Hamas targets have been hit since the beginning of Operation Guardians of the Walls.)</p> <p>(Ergänzende Information timesofisrael.com vom 13.05.2021 11:22 PM: Three rockets fired from southern Lebanon landed in the sea off the coast of northern Israel on Thursday night, the Israel Defense Forces said. An as-yet-unidentified Palestinian group was believed to be behind the attack, not the Hezbollah terrorist militia, according to Lebanese media. A spokesperson for Hezbollah, one of Israel’s most significant enemies in the region, told Lebanon’s L’Orient Today news outlet that the terror organization was not behind the attack.)</p>
<p>@idf 13.05.2021</p>	<p>ISR/GAZA: Official IDF Twitter</p>	<p>In the last 3 days Hamas has fired 1,500+ rockets from Gaza all the way into Israel, terrorizing civilians as far as 90 miles away. Our fighter jets just struck a number of strategically significant buildings belonging to Hamas & a Hamas naval force squad.</p>

tasnimnews.com 13.05.2021 11:41 AM	HOuthi/SAU: Yemeni Forces Hit Sensitive Saudi Targets in Joint Operation: Spox	Yemeni army forces and Popular Committees have launched a massive operation against targets in Saudi Arabia, striking the Kingdom's Aramco oil facilities and Najran Airport as well as other critical targets, using ballistic missiles and drones, according to Yemeni military. Spokesman for the Yemeni Armed Forces Brigadier General Yahya Saree said in a Twitter post on Thursday that seven Badr and Sa'ir ballistic missiles and five Qasef-2K drones were involved in the large joint operation against the Saudi targets and have struck Saudi Arabia's identified targets with pinpoint accuracy, he added.
sputniknews.com 13.05.2021	USAFCENT: US Deploys F-18 Fighters to Saudi Arabia Amid Escalating Violence in Mideas	The United States Air Forces Central Command (USAFCENT) announced on Thursday that F-18 fighter jets were deployed to Saudi Arabia to promote security and stability amid the escalating violence in the Middle East. "F/A-18D Hornet aircraft deployed to @378AEW [378th Air Expeditionary Wing at Prince Sultan Air Base], Kingdom of Saudi Arabia, this week as part of a dynamic force employment to enhance @CENTCOM's [US Central Command] ability to deter aggression and promote security and stability within the CENTCOM area of responsibility," USAFCENT wrote on Twitter.
taiwannews.com.tw 12.05.2021 11:54 AM	TWN/CHN: Chinese electronic warfare plane enters Taiwan's ADIZ	A single People's Liberation Army Air Force (PLAAF) Shaanxi Y-8 electronic warfare aircraft flew into the southwest corner of Taiwan's ADIZ, according to the Ministry of National Defense (MND). In response, Taiwan dispatched fighter jets, issued radio warnings, and deployed air defense missile systems to track the PLAAF aircraft. So far this month, Beijing has sent aircraft into Taiwan's identification zone on May 2, 4, 6, 7, 8, and 11, all consisting of slow-flying turboprops.
@idf 12.05.2021	ISR/GAZA: Official IDF Twitter	Terrorists in Gaza are firing rockets non-stop as civilians in central and southern Israel spend their night in shelters to protect themselves from rocket fire. In response to hundreds of rockets in the last 24 hours, the IDF has struck a number of significant terror targets and terror operatives across the Gaza Strip, marking our largest strike since 2014. Our fighter jets, with the ISA, neutralized key figures of Hamas' intelligence: Hassan Kaogi, head of the Hamas military intelligence security department & his deputy Wail Issa, head of the military intelligence counterespionage department. <i>(Ergänzende Information timesofisrael.com vom 12.05.2021 04:49 AM: The Israeli Air Force destroys a nine-story building in Gaza city early Wednesday morning, according to an AP reporter at the scene. Several hours earlier a drone "knocked" on the roof of the building, firing three missiles without explosives, to warn occupants to flee. More than 200 rockets fired deep into Israel in apparent response to IDF destroying apartment building in Gaza, killing of top Hamas leaders; in Yehud, family survives hit on house.)</i> <i>(Ergänzende Information jpost.com vom 12.05.2021 07:50 AM: Almost 1000 rockets have been fired towards Israel since Monday afternoon, as terrorist groups in the Gaza Strip and the IDF clash amid tensions over Jerusalem. Palestinian media</i>

		<p><i>reported that at least 35 people had been killed in the IDF strikes, including 12 children, and that more than 230 had been wounded. The Israeli Air Force continued to strike the Gaza Strip on Wednesday morning, putting a focus on targeted killings and saying that it successfully eliminated four top Hamas commanders.)</i></p> <p><i>(Zielbildvideos abrufbar unter: https://www.jpost.com/israel-news/israel-striking-gaza-in-response-to-rocket-barrage-directed-at-jerusalem-667776)</i></p> <p><i>(Ergänzende Information @idf vom 12.05.2021 07:50 AM: 38 hours - 1050+ rockets across central and southern Israel)</i></p> <p><i>(Ergänzende Information @IAFsite vom 12.05.2021 08:00 AM: A short while ago, Iron Dome Air Defense soldiers intercepted a Hamas UAV that crossed from the Gaza Strip into Israeli territory.)</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 12.05.2021 11:30 AM: The Israel Defense Forces says an anti-tank guided missile was fired from the northern Gaza Strip toward a target inside Israel near the community of Netiv Ha'asara, just north of the enclave. The missile struck a jeep on the border. One of the people injured in the anti-tank guided missile attack north of the Gaza Strip has died of his wounds, medics say. The other two people hit by the missile remain in critical and serious condition, respectively.)</i></p> <p><i>(Ergänzende Information jpost.com vom 12.05.2021 14:42: The Israeli Air Force continued to strike the Gaza Strip on Wednesday, putting a focus on targeted killings and saying that it successfully eliminated a number of top Hamas commanders. The IDF reportedly carried out roof knockings and contacted civilians in Gaza to warn them to evacuate from buildings that were going to be targeted.)</i></p> <p><i>(Ergänzende Information nytimes.com vom 12.05.2021: The fighting showed no signs of letting up. An Israeli military official said Wednesday that three infantry brigades were "preparing for a worst-case scenario," confirming that a ground invasion could follow the bombardment from the air. But the most unexpected developments occurred on the streets of Israeli cities and towns, as rival Jewish and Arab mobs attacked people, cars, shops, offices and hotels.)</i></p>
<p>jpost.com 11.05.2021 17:42 PM</p>	<p>ISR/GAZA: IDF strikes over 130 targets in Gaza as 400 rockets pound Israel</p>	<p>Israel was bombarded by over 400 rockets from the Gaza Strip since Monday as terror groups sent barrages of rockets, injuring at least 31 Israeli civilians. The IDF has deployed additional Iron Dome batteries to the southern Gush Dan region. In retaliation for the rocket-fire, the IDF carried out waves of airstrikes against 130 terror targets in Gaza, in an operation called "Guardians of the Wall." The targets hit by Israel included the home of a Hamas battalion commander in a multi-story building, the organization's military intelligence headquarters, munition manufacturing sites, military complexes belonging to Hamas and the Palestinian Islamic Jihad, as well as two terror tunnels that were close to the border fence. The strikes were said to have killed at least 15 Hamas terrorists.</p>

	<p>The IDF spokesman stressed that while 200(+) rockets were fired towards Israel, a third of the rockets fell inside Gaza. The Iron Dome, he said, had a 90% success rate in intercepting dozens of rockets fired from the Strip.</p> <p>The IDF warned Hamas that all options, including a ground operation, were on the table after the Monday rocket fire that marred Jerusalem Day with sirens going off in the capital as thousands of people were parading through downtown to celebrate the holiday.</p> <p><i>(Ergänzende Information @IDF 11.05.2021 06:41 AM: In response to 200+ rockets fired from Gaza toward Israel, we killed 15 Hamas terrorists and struck 130 Hamas & Islamic Jihad terror targets in Gaza overnight, incl.: 2 attack tunnels, a Hamas military intel facility and Weapons manufacturing and storage sites. In addition they struck a squad of Hamas terrorists operating anti-tank missiles in Gaza.)</i></p> <p><i>(Ergänzende Information jpost.com vom 11.05.2021 17:41 PM: Over 80 Israelis have been injured as close to a dozen buildings in Ashdod and Ashkelon were hit by rockets, according to Israel Police. Two Israeli women were killed in Ashkelon. the IDF reported that it had killed two top Islamic Jihad commanders responsible for rocket fire in Gaza. One of the Palestinian terrorists killed was identified as Samah Abed al-Mamlouk. The IDF and Shin Bet (Israel Security Agency) said that he was attacked in a hideout together with a number of additional Islamic Jihad operatives. Al-Mamlouk, the IDF said, was in charge of Islamic Jihad's rocket arsenal. In another strike, Hassan Abu al-Atta, deputy commander of Islamic Jihad's Gaza Brigade, was also killed when the IDF struck an apartment in an eight-story building in Gaza's Rimal neighborhood. Prime Minister Benjamin Netanyahu announced that the intensity and rate of attacks will increase following a visit to the IDF's Southern Command headquarter.)</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 11.05.2021 06:58 PM: Gantz said the operation, dubbed Guardian of the Walls, was likely to last at least several days as Israeli aircraft, ground forces and naval ships bombed assets and operatives of Hamas and the Palestinian Islamic Jihad. "The purpose of the operation is to strike Hamas hard, to weaken it and to make it regret its decision [to launch rockets at Israel]," Gantz said. Israel Defense Forces Spokesperson Hidai Zilberman said the military was launching a major offensive against the Hamas terror group's rocket launching capabilities in the northern Gaza Strip, with some 80 fighter jets, including the advanced F-35 aircraft, taking part in the operation.)</i></p> <p><i>(Ergänzende Information @IAFsite vom 11.05.2021 19:00 PM: Up until this time, approximately 480 rockets have been fired from the Gaza Strip at Israeli territory and approximately 150 rockets were fired at Israeli territory and exploded within Gaza Strip. The Iron Dome Air Defense System has intercepted 200 of them.)</i></p> <p><i>(Ergänzende Information aljazeera.com vom 11.05.2021: Hamas has said it fired more than 100 rockets at the Israeli city of Tel Aviv after an Israeli air strike destroyed a tower block in the besieged Gaza Strip. The 13-storey residential tower in Gaza City collapsed after Israeli air strikes targeted the building on Tuesday. There were no reports of casualties among the</i></p>
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		<p>residents, who reportedly vacated the Hanadi tower before it was hit. The tower houses an office that is used by the political leadership of Hamas, which rules Gaza.)</p> <p>(Ergänzende Information terrorism-info.org.il vom 12.05.2021: On May 11 and 12, 2021, IDF aircraft attacked dozens of rocket launching pits in the Gaza Strip which had been used to fire rockets at Israel)</p>
<p>timesofisrael.com 11.05.2021 05:27 AM</p>	<p>ISR/GAZA: IDF said to strike targets across Gaza as rocket fire continues</p>	<p>The Israeli Air Force is carrying out strikes across the Gaza Strip throughout the night as rocket fire from the Strip continues to target Israeli communities. Palestinian media reports strikes around the southern cities of Rafah, and Khan Younis and an on apartment building in the al-Shati camp near Gaza city. A building was also destroyed in Gaza city's upscale Tel al-Hawa neighborhood.</p>
<p>sputniknews.com 11.05.2021 11:35</p>	<p>Russian Su-30 Intercepts Three French Military Aircraft Over Black Sea</p>	<p>A Russian Su-30 fighter on Tuesday intercepted two Dassault Mirage-2000 fighters and an C-135 aerial refuelling tanker of the French Air Force that were approaching the Russian border, Russia's Southern Military District said. The Su-30 fighter escorted them over the Black Sea", the Southern Military District said, stressing that any illegal crossing of the Russian border had been prevented.</p> <p>(RUS-Video abrufbar unter: https://www.youtube.com/watch?v=I9IY_3HC6Rq)</p> <p>(Anmerkung Redaktion: Man beachte den ASTAC Elint Pod an der zentralen Unterrumpfstation der Mirage 2000D)</p> <p>(Fact Sheet ASTAC Elint Pod abrufbar unter: https://www.thalesgroup.com/sites/default/files/database/document/2020-09/Thales%20ASTAC%20-%20brochure%20-%202020%20-%20HD%20sans%20repe%CC%80re.pdf)</p>
<p>tass.com 11.05.2021 14:43</p>	<p>RUS/NOR: Russian MiG-31 fighter intercepts Norwegian military plane over Barents Sea</p>	<p>A MiG-31 fighter jet from the Northern Fleet's air defense quick reaction alert forces was scrambled to identify the aerial target and prevent it from violating the Russian state border. The Russian fighter's crew identified the aerial target as a Norwegian Air Force P-3C Orion maritime patrol aircraft and shadowed it over the Barents Sea</p>
<p>jpost.com 10.05.2021 19:06 PM</p>	<p>ISR/GAZA: Israel striking Gaza in response to rocket</p>	<p>The IDF struck Hamas targets in the Gaza Strip on Monday evening in response to a rocket barrage into Israel that included at least seven missiles that were fired toward Jerusalem.</p>

	barrage directed at Jerusalem	<p><i>(Ergänzende Information jpost.com vom 10.05.2021 20:42 PM: The IDF struck Hamas targets in the Gaza Strip on Monday evening in response to a rocket barrage into Israel that included at least seven missiles that were fired toward Jerusalem. Palestinians said that nine people were killed in Israeli airstrikes. One bomb struck a motorcycle in the northern Gaza Strip. In another strike, Palestinians said that at least two people were injured in an Israeli bombing near Beit Hanoun.)</i></p> <p><i>(Ergänzende Information jpost.com vom 10.05.2021 21:26 PM: Anyone who attacks Israel will pay a heavy price, Prime Minister Benjamin Netanyahu warned on Monday evening, shortly after Palestinian terrorists launched dozens of rockets from Gaza into Israel. Netanyahu warned that Israel will "respond with great force," and that the current confrontation "could continue for some time.")</i></p> <p><i>(Ergänzende Information timesofisrael.com vom 10.05.2021 21:45 PM: The Israel Defense Forces says it has bombed a number of Hamas targets in the Gaza Strip in response to the ongoing rocket attacks from the enclave, including eight members of the terror group who were launching projectiles at Israel. The military says it also struck two rocket launchpads and two observation posts belonging to the terror group.)</i></p>
reuters.com 10.05.2021 07:12 PM	SAU/HOUTHİ: Saudi-led coalition says it intercepts armed drone fired at Abha airport	The Saudi-led coalition fighting Houthi forces in Yemen said on Monday it had intercepted and destroyed an explosive drone fired towards Abha airport in the south of Saudi Arabia. A military spokesman for Yemen's Houthis wrote on Twitter later on Monday that the group had hit an important military target at Saudi Arabia's Abha international airport using a drone.
timesofisrael.com 10.05.2021 06:51 PM	ISR/SYR: Syria says IDF chopper bombs site near border,	An Israeli helicopter bombed an alleged Hezbollah site near the town of Khader on the Syrian Golan Heights, injuring one person, in a rare daytime strike on Monday, according to Syrian sources. Daytime strikes by Israel are highly unusual and are generally only conducted in order to prevent impending attacks.
tass.com 10.05.2021 21:40	RUS/FRA: Russian Su-27 fighters shadow French tactical aircraft over Black Sea	Russian radars detected air targets approaching the national sovereign airspace. Su-27 fighter jets of the Southern Military District's air defense units on duty were scrambled to intercept the aircraft. "The crews of the Russian fighter aircraft identified the air targets as Mirage-2000 tactical aircraft of the French Air Force and shadowed them over the Black Sea," the national center said.
alarabiya.net 09.05.2021 04:04 AM	SAU/HOUTHİ: Arab Coalition intercepts Houthi drone targeting Khamis Mushait	The Arab Coalition intercepted and destroyed an explosive-laden drone launched by Yemen's Houthis towards Saudi Arabia's Khamis Mushait on Saturday night. Khamis Mushait air base, in Saudi Arabia's southwest, has been at the forefront of the coalition bombing campaign against Houthi militias and their allies. The Houthis' explosive-laden unmanned aerial vehicles (UAV) were the latest in a series of escalated attacks on the Kingdom by the Iran-backed militia in Yemen.

jpost.com 09.05.2021 07:08 AM	ISR/GAZA: IDF strikes Gaza after rocket launched at Israel amid Jerusalem unrest	The Israeli Air Force struck a Hamas military site in the southern Gaza Strip in response to rocket fire earlier on Saturday night, according to the IDF Spokesperson's Unit. A rocket was fired from the Gaza Strip toward Israel on Saturday night, amid riots along the Gaza border fence and in Jerusalem, according to the IDF. A rocket alert was sounded in an open area.
reuters.com 08.05.2021	IRQ: Attack by unmanned aerial surveillance system targets Iraqi air base	An attack by an unmanned aerial surveillance system on Saturday targeted Iraq's Ain al-Asad air base in western Iraq which hosts U.S. and other international forces, but it caused no injuries, a coalition spokesman said. The attack took place at 0220 local time and caused damage to a hangar. The United States accuses Iran-backed militia groups of launching regular rocket attacks against its troops in Iraq.
sputniknews.com 06.05.2021	RUS/USAF: Russian MiG-31 Fighter Jet Scrambled to Intercept US Reconnaissance Aircraft Over Sea of Chukotsk	"To identify the air target and prevent the violation of Russian airspace, a MiG-31 fighter from the air defence forces of the Pacific Fleet took to the skies. The crew of the Russian fighter identified the air target as a US Air Force RC-135 strategic reconnaissance aircraft and escorted it over the waters of the Sea of Chukotsk," the Russian Defence Ministry said. Over the past few months, Russia had to scramble jets to intercept numerous American aircraft flying over the Black Sea and the Sea of Okhotsk.
defense.gouv.fr 04.05.2021	FRA: CHAMMAL: boarding for in-flight refuelling on Rafale	By operating daily over Syrian and Iraqi territories, the Rafale from the proposed airbase (BAP) in the Levant contribute to the "support" pillar of Operation Chammal. To carry out their fire support and intelligence missions, the Rafale carry out in-flight refuelling, a parameter essential for carrying out long flights of several hours. Once in flight, the Rafale can count on a fleet of supply aircraft operating for the Coalition. The latter consists of French aircraft, such as the C-135 or the A330 Phoenix (multi-role air-to-air refuelling and transport aircraft), German A400M Atlas aircraft, as well as Italian (Boeing 767) and American tankers (C-135 and KC10). The flight range of fighter jets is thus increased tenfold, allowing them to carry out their missions in hostile territory with reactivity and agility.
		Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance

<p>janes.com 19.05.2021</p>	<p>ISR : Israeli official details new intel aircraft</p>	<p>The Israeli Air Force's new Oron intelligence-gathering aircraft will be the first of its kind to integrate data from its advanced radar and electronic/communications intelligence (ELINT/COMINT) sensors to simultaneously identify thousands of targets, a senior Israeli defence official has told Janes. The IAF announced the arrival of the aircraft on 4 April after it landed at Nevatim Air Base. The Oron is a G550 business jet that was made for the IAF by Gulfstream in the United States. It was modified for the IAF in Savannah, Georgia: a process that included the addition of the side panels that will house its radar arrays. The AESA radar of the Oron is "ground-breaking" as it has the ability to scan thousands of kilometres in seconds "at very high resolutions" from a high altitude. The mission systems are now being fitted and the initial operating capability is expected in 18 months.</p>
<p>raf.mod.uk 17.05.2021</p>	<p>GBR: Stand-up of ISTAR Air Wing</p>	<p>May 17th 2021 saw the official stand-up of the RAF Waddington UK Intelligence, Surveillance, Target Acquisition and Reconnaissance (ISTAR) Air Wing. The Air Wing has been formed as part of the RAF Future Operating Model, a proposal that was set out by the Chief of the Air Staff to create the next generation Air Force. The ISTAR Air Wing will comprise the flying Squadrons, Air Support Wing, Air Engineering Wing, Number 1 Intelligence Surveillance and Reconnaissance Wing and the ISTAR Operational Conversion Unit.</p> <p><i>(Ergänzende Information janes.com vom 18.05.2021: The Protector RG1 drone will be part of the RAF's new ISTAR Air Wing when deliveries commence from 2024.)</i></p>
<p>mod.go.jp 15.05.2021</p>	<p>JPN: U.S. Air Force Global Hawk and U.S. Navy Triton will be temporarily deployed to Japan</p>	<p>U.S. Air Force Global Hawk and U.S. Navy Triton, whose missions are Intelligence, Surveillance and Reconnaissance (ISR) activities, will be temporarily deployed to Japan after mid-May. In the midst of increasingly severe security environment surrounding Japan, it is critical to enhance ISR activities by both countries. U.S Forces have temporarily deployed Global Hawk operated based in Guam to Japan since 2014. U.S. Navy Triton is the improved model of Global Hawk specialized for maritime surveillance and this is the first time for Triton to be temporarily deployed to Japan. This deployment is intended to demonstrate US commitment to Japan's Defense and will be beneficial to security of Japan by strengthening the ability of maritime surveillance around Japan, given the increasingly active maritime activities by surrounding countries.</p>
		<p>Cyber- und Electromagnetic Warfare</p>
<p>flightglobal.com 20.05.2021</p>	<p>USAF: US Air Force tests using F-15's EPAWSS to clear path for F-35</p>	<p>At its Northern Edge 21 exercises in Alaska, the US Air Force (USAF) tested the Boeing F-15 conducting an electronic attack to clear a path for a Lockheed Martin F-35 stealth fighter. The test reveals how the USAF may use its legacy fleet of F-15E Strike Eagles, as well as its new F-15EX Eagle IIs, in coordination with its stealth</p>

		<p>aircraft for air strikes deep into enemy territory. The F-15 used the BAE Systems ALQ-250 Eagle Passive Active Warning Survivability System (EPAWSS).</p> <p>The demonstration, which took place on 14 May, was done to help evaluate a tactic improvement proposal that came out of the service’s annual Weapons and Tactics Conference, the USAF said on 17 May. The tactic is part of an effort to minimise “the F-35’s emissions to get closer to the adversary”, the service says. Electronic emissions would betray the stealth aircraft’s location. “As a fifth-gen asset we have stealth, so we can physically get closer, but we may not have all the weapons that a fourth-gen aircraft, like a F-15E Strike Eagle, does,” says Major Scott Portue, an F-35 pilot with the 422nd Test and Evaluation Squadron. “We’re trying to figure out how we – fourth- and fifth-generation platforms – can benefit each other so that we can get closer to the adversary.”</p> <p>EPAWSS is designed to monitor, jam and deceive threats, such as radar-guided missiles, in contested airspace. In March, BAE received a \$58 million contract to start low-rate initial production of EPAWSS for the USAF.</p> <p><i>(Produktbeschreibung EPAWSS abrufbar unter: https://www.baesystems.com/en/product/eagle-passive-active-warning-survivability-system-epawss)</i></p>
<p>flightglobal.com 20.05.2021</p>	<p>USAF: Cognitive electronic warfare</p>	<p>Systems like EPAWSS rely on a database of known electronic emissions from adversaries’ weapons and sensors to identify and then counter threats. For example, a system would identify a surface-to-air missile battery’s radar frequency and then use already-developed electronic warfare techniques to jam or interfere with it. To avoid detection and jamming, adversaries can change the electronic emission characteristics of their radars. That forces their opponents to update their catalogue of known threats and come up with new electronic attack measures.</p> <p>Rapid adaptation to new threats and electronic signatures is increasingly important to the USAF. The service notes that at Northern Edge 21 BAE was able to reprogramme the mission data files for EPAWSS to improve its performance within one to two days. In March, the USAF revealed in a sources sought notice that it was researching adding “cognitive electronic warfare” capabilities to the F-15. The service is looking for artificial intelligence and machine learning “algorithms to advance the capabilities of airborne electronic warfare systems in development and production” for the type. It did not specifically mention EPAWSS. Cognitive electronic warfare aims to use artificial intelligence and machine learning to quickly and automatically identify new signals coming from an adversary’s radar. In the future, an aircraft’s on-board computer might even be able to swiftly come up with a countermeasure.</p>

<p>breakingdefense.com 07.05.2021</p>	<p>OSCE: Jamming Strikes OSCE Drones Tracking Russian Forces</p>	<p>A drone operated by a group monitoring the war in eastern Ukraine conducted an emergency landing Thursday after its GPS was jammed, a problem that has increasingly plagued its drones since March. The OSCE's drones conduct surveillance of the line of contact between Ukrainian government troops and the Russian-backed separatists, while also mapping minefields and tracking the movement of weapons and troops on both sides.</p> <p>The drone had taken off from its base in government-controlled Stepanivka at 12:30pm Thursday "and had immediately experienced dual GPS signal interference, assessed as caused by jamming, which then had occurred at intervals during the flight," the OSCE said. By 4 pm, while flying near the separatist-controlled town of Kolosky, it was jammed again, forcing the group to try and pull it back to base. The drone doesn't appear to have been damaged after landing in a field near its base in Stepanivka, a town about 30 miles from the contested Donbass region, occupied by Russian-backed separatist forces.</p> <p>The jamming has long been a concern for the Organization for Security and Cooperation in Europe, a monitoring agency that tracks violations of ceasefire agreements and tracks separatist and Russian military movements. The EW attacks ramped up this spring just as Moscow surged 110,000 troops near the Ukrainian border, causing worries in Kiev and the West that Russian forces would surge into Ukraine.</p>
<p>cnn.com 08.05.2021</p>	<p>USA: Cyberattack forces major US fuel pipeline to shut down</p>	<p>A cyberattack forced the temporary shut down of one of the US' largest pipelines Friday, highlighting already heightened concerns over the vulnerabilities in the nation's critical infrastructure. The operator, Colonial Pipeline, said Saturday that the incident involves ransomware. The attack comes amid rising concerns over the cybersecurity vulnerabilities in America's critical infrastructure following recent incidents, and after the Biden administration last month launched an effort to beef up cybersecurity in the nation's power grid, calling for industry leaders to install technologies that could thwart attacks on the electricity supply. Colonial, which transports more than 100 million gallons of gasoline and other fuel daily from Houston to the New York Harbor, according to its website, said it learned of the cyberattack on Friday, causing them to pause operations.</p> <p><i>(Ergänzende Information news.thehill.com vom 12.05.2021 23:41 PM: Colonial Pipeline has begun a restart of its operations following a cyberattack, the company announced on Wednesday 12.05.2021. It began the restart at about 5 p.m., but it will take "several days" for product delivery to return to normal, the company said in a statement.)</i></p>
		<p>Boden- und seegestützte Luftverteidigungssysteme</p>

<p>economictimes. indiatimes.com 20.05.2021</p>	<p>IND: Russia will start supplying S-400 missile to India in Q4</p>	<p>Russia will start supplying its S-400 surface-to-air missile systems to India in the fourth quarter, the Interfax news agency quoted Russian state arms exporter Rosoboronexport as saying on Thursday.</p>
<p>rheinmetalldefence. com</p>	<p>Rheinmetall Air Defence: Oerlikon Skynex Air Defence System</p>	<p>Oerlikon Skynex® is the latest air defence concept of Rheinmetall and sets new standards with its unique and open architecture. A control node, which houses the operation consoles and the Oerlikon Skymaster® Battle Management System, forms the centrepiece of the system. Various sensors and effectors can be linked in a modular way in order to fit mission requirements. Radars, such as the Oerlikon X-TAR3D® provide the air picture, which is consolidated in the remote control node. From there, air targets are assigned to autonomous effectors via the Skymaster network. Besides the high performance Oerlikon Revolver Gun® Mk3, missile based air defence means can be integrated and controlled as well. Such a weapon mix provides a highly effective layered protection shield against a wide spectrum of air threats.</p> <p><i>(Instruktives Video abrufbar unter:</i> https://www.youtube.com/watch?v=1DXpPmpmcak<i>)</i></p>
<p>jpost.com 12.05.2021</p>	<p>ISR: Is Iron Dome effective against Hamas rockets as originally thought?</p>	<p>Iron Dome always had a weakness. It shot down 85%-90% of Hamas rockets in past rounds of battle – and that was out of the ones which got near anything, which nixes many of Gaza’s rockets. As long as the volume of rockets Hamas could shoot at once was small, this was almost a hermetic defense. But Israeli intelligence and national security officials had long warned The Jerusalem Post that Hezbollah had a sufficient number of rockets to pound the Jewish state with 500 rockets in a day, something which would pierce the Iron Dome shield. This was one reason the IDF was so careful and calibrated regarding Hezbollah. The terror group has 150,000 or more rockets, including hundreds of advanced ones, which means that 500 per day wouldn’t even dent its arsenal.</p> <p>Has Hamas shocked everyone and achieved its own way of piecing the Iron Dome shield? During the 2014 Gaza War, Hamas fired almost 4,000 rockets, but that was spread out over 50 days. It usually fired dozens of rockets in a day at most and spread them out over the day. Its high was around 200 rockets spread over a whole day – and out of the 50 days of the war, it fired more than 100 rockets per day for only around two weeks. Also, the vast majority of these rockets were fired at the Gaza corridor since Hamas had a limited number of rockets capable of reaching Tel Aviv and other areas. Between the tiny number of rockets which could reach Tel Aviv and the logistics problem of how many rockets could be shot at once, Hamas largely failed to pierce the Iron Dome missile shield.</p>

lockheedmartin.com 10.05.2021	SWE: Sweden To Receive First Delivery Of World's Most Advanced Air Defense Missile	Lockheed Martin successfully delivered Sweden's first Patriot Advanced Capability-3 (PAC-3) Missile Segment Enhancement (MSE) interceptors in April, providing the country with the world's most advanced air defense missile that uses Hit-to-Kill technology to defend against incoming threats. U.S. and Swedish officials formalized an agreement for Sweden to purchase PAC-3 MSE interceptors and related support equipment in August 2018. The PAC-3 MSE's revolutionary two-pulse solid rocket motor provides increased performance in both altitude and range while employing the same proven Hit-to-Kill technology that the PAC-3 CRI missile uniquely brings to the Patriot system.
		Boden- und seegestützte Einsatzkräfte, Strategische Kampfmittel und Space Forces
northropgrumman.com 14.05.2021	USN: "Coyote" target vehicles help test ship defenses against incoming threats	Northrop Grumman Corporation has been awarded a production contract option for 18 additional GQM-163A "Coyote" supersonic sea-skimming target vehicles. This award represents the first of three options that can be exercised against the full-rate production contract awarded last year. The \$55.4 million award brings the GQM-163A targets ordered to date to 218. Since the first flight in 2003 the company has delivered 124 targets to the U.S. Navy and successfully launched them 81 times. The Coyote provides the Navy with a cost-effective target to simulate advanced supersonic anti-ship cruise missile threats. It can be used as a Mach 2.5+ sea skimming target or as a Mach 3.5+ diving target from an altitude of 52,000 feet; the target vehicle is also able to perform high G turns.
cnn.com 15.05.2021	CHN: China has successfully landed a rover on Mars, state media says	China has successfully landed its rover on Mars, according to state media, becoming the second country in history to have a rover on the red planet. The rover, Zhurong, named after a god of fire in Chinese mythology, landed Saturday morning at the pre-selected area in Utopia Planitia on Mars, according to the state-run Xinhua news agency. The six-wheel solar-powered Zhurong rover weighs about 240 kilograms (529 pounds) and carries six scientific instruments. It will be later deployed from the lander for a three-month mission in search of life on Mars' surface.
lockheedmartin.com 12.05.2021	US AMY: Precision Strike Missile Completes Longest Flight To Date	Lockheed Martin's Precision Strike Missile (PrSM) successfully completed its fourth consecutive flight test with the U.S. Army today in a 400-kilometer demonstration at White Sands Missile Range, New Mexico. The PrSM was fired from a HIMARS® launcher and flew with expected precision to the target area where it once again demonstrated a highly accurate and effective warhead event. Test objectives included confirming flight trajectory, range and accuracy from launch to impact, as well as warhead lethality, HIMARS integration and overall missile performance. The 400-kilometer flight is the first of three demonstrations that will take place this year as part of the Enhanced Technology Maturation and Risk Reduction (ETMRR) phase of the development

		<p>program.</p> <p>The next-generation precision-strike, surface-to-surface weapon system will deliver enhanced capabilities for attacking, neutralizing, suppressing and destroying targets at depth on the battlefield. It further provides field artillery units a new long-range capability while supporting brigade, division, corps, Army, theater, Joint and Coalition forces.</p>
<p>globaltimes.cn 10.05.2021 01:09 AM</p>	<p>CHN: New rocket launcher system delivered to PLA's high-altitude plateau unit</p>	<p>A unit affiliated with the Chinese People's Liberation Army (PLA) Xinjiang Military Command deployed in a high-altitude plateau recently replaced its outdated artillery with digital, long-range heavy rocket artillery, greatly enhancing its all-weather combat capability in the border region. According to the footage shared with the report, the newly commissioned weapons system is the PHL-03 long-range multiple rocket launcher. At least 10 units were delivered at a commissioning ceremony, along with other eight vehicles believed to accompany the rocket launchers for command, support and communications purposes, observers said.</p>
		<p>Geo- und Sicherheitspolitik, militärische Übungen</p>
<p>af.mil 20.05.2021</p>	<p>USAF: Northern Edge 21 achieves operational test advances for Airmen, weapons systems</p>	<p>As Northern Edge 21 concludes, the 53rd Wing is returning home having achieved major test objectives for multiple weapons systems May 3-14. In addition to F-15EX Eagle II deep end testing and B-52 Stratofortress long-range kill chain milestones for hypersonic weapons, the 53rd Wing's F-35A Lightning IIs, MQ-9 Reapers, F-15C Eagles and F-15E Strike Eagles, all progressed their software, hardware, and tactics while at Northern Edge. The 53rd Wing operationally tested while at Northern Edge 21:</p> <ul style="list-style-type: none"> ◦ F-35 ◦ MQ-9 Reaper ◦ F-15C/E/EX ◦ Infrared Search and Track (F-15C) ◦ F-15C/E Suite 9.1 RR (F-15C, E) <p><i>(Vollständiger Beitrag mit aufschlussreichen Testinfo abrufbar unter:</i> https://www.af.mil/News/Article-Display/Article/2626086/northern-edge-21-achieves-operational-test-advances-for-airmen-weapons-systems/<i>)</i></p>
<p>janes.com 19.05.2021</p>	<p>FRA/USA/GBR:</p>	<p>Lockheed Martin F-35A Lightning II Joint Strike Fighter (JSF) and Dassault Rafale jets have begun flying joint exercises geared at enhancing fourth- and fifth-generation interoperability between the United States and</p>

	US F-35s, French Rafales fly joint exercises	France. Exercise 'Atlantic Trident 21', which will also feature F-35B aircraft from the United Kingdom, is being conducted out of Mont-de-Marsan Air Force Base from 17 to 28 May.
bmv.de 18.05.2021	DEU: Eckpunkte für die Bundeswehr der Zukunft	Mehr Truppe und weniger Stäbe, mehr einsatzbereites Material und schnellere Verfahren. Darum geht es in den Eckpunkten für die Bundeswehr der Zukunft. Eine Radikalreform ist nicht vorgesehen. Verteidigungsministerin Annegret Kramp-Karrenbauer und der Generalinspekteur der Bundeswehr, General Eberhard Zorn, haben das Dokument vorgelegt. <i>(Vollständiges Dokument abrufbar unter: https://www.bmv.de/resource/blob/5083294/2841bc319369f8c88ffebbb6b052fdde/eckpunkt Papier-data.pdf)</i>
timesofisrael.com 18.05.2021 11:42 AM	ISR/SYR/HEZBOLLAH: Hezbollah has dug tunnel network from Beirut to 3km. from Israel border	The Hezbollah terror group has dug a network of tunnels hundreds of kilometers long from Beirut to southern Lebanon, the Kan public broadcaster reported Monday. The network was dug in parallel to six Hezbollah attack tunnels into Israel, which the Israel Defense Forces exposed and destroyed in 2018, Kan said. The purpose of the additional network is reportedly to enable the swift and covert movement of forces during a war against Israel. According to the report, command and control headquarters have been built inside the tunnel network, with the tunnels reaching to some three kilometers from the Israeli border.
stripes.com 17.05.2021	ROU: US Air Force gets \$152 million in upgrades underway at base in Romania	Major improvements to a Romanian base are set to begin this summer as the U.S. Air Force looks to boost its presence and support larger NATO missions in the strategically important Black Sea region. The \$152 million in construction projects will enable Campia Turzii air base to support heavy cargo aircraft, host fighter jets and deployed personnel, and quickly respond to any security issues in the region, the Air Force said. The upgrades will also allow the former Soviet airfield to safely receive and store munitions. The Cold War-era base in central Romania is expected to serve as a rotational hub in the future. Last year, the U.S. and Romania signed a 10-year road map for defense cooperation that put increased focus on security around the Black Sea, an area where Moscow in recent years has increased activity and installed sophisticated air defense systems.
timesofisrael.com 12.05.2021 11:38 AM	IRN: Iran now enriching uranium to 63% purity — UN watchdog	Iran has enriched uranium to 63-percent purity, higher than the 60% it has announced, which is already way beyond the 3.67% allowed under the 2015 nuclear deal, a report said Tuesday, citing a document by the International Atomic Energy Agency.
usafe.af.mil 10.05.2021	USAF/NATO:	U.S. Air Force F-35A Lightning II fighter aircraft and Airmen from the 4th Fighter Squadron, comprised of active duty Airmen from the 388th Fighter Wing, and reservists from the 419th FW, Hill Air Force Base, Utah,

	U.S. Air Force F-35 fighter aircraft arrive at Mont-de-Marsan Air Force Base, France	arrived at Mont-de-Marsan Air Base, France, May 10, 2021. During their time in the European theater, the 4th FS aircraft will participate in multiple events, including Atlantic Trident 21, underscoring the steadfast U.S. commitment to the region and enhancing interoperability with NATO allies and partners. Atlantic Trident 21, taking place at Mont-de-Marsan Air Force Base, May 17-28, 2021, is a joint, multinational exercise involving service members from the U.S., France and the U.K., and is aimed at enhancing fourth and fifth generation integration, combat readiness and fighting capabilities, through conducting complex air operations in a contested multinational joint force environment. This is the 388th FW's third deployment to Europe. The first was the 34th FS deployment to RAF Lakenheath, England, in April 2017. The second was a 421st FS Theater Security Package deployment to Aviano Air Base, Italy in May 2019.
nytimes.com 10.05.2021	IRQ: Iraq's F-16s Grounded After U.S. Contractor Pulls Maintenance Crews	Lockheed Martin said Monday that it was withdrawing its maintenance teams for Iraq's F-16 fighter jets for security reasons, as the Iraqi government struggles to end rocket attacks by militias suspected of being backed by Iran. The departure by the U.S. weapons manufacturer from Balad air base, 40 miles north of Baghdad, highlights the Iraqi government's inability to rein in the militias, which are thought to be behind attacks on U.S. interests. The Lockheed Martin decision is expected to ground the few remaining F-16s from Iraq's fleet that were still operational.
asiatimes.com 10.05.2021	CHN: China eyes strategic airfield deep in the Pacific China eyes strategic airfield deep in the Pacific	China could be moving a crucial chess piece into position in the Pacific frontier — and there isn't a single thing the US can do about it. According to media reports, a derelict airfield on a remote Pacific island in the Republic of Kiribati could soon get an upgrade from the People's Republic of China. The two nations re-established ties two years ago and have embarked on new cooperation projects, including infrastructure investment as well as trade and cultural exchanges. If the report is true, this could give Beijing an airbase in an incredibly strategic location, between North America and New Zealand, potentially giving China's military much greater reach throughout a critical and increasingly tense region. The site — on the island of Kanton, also spelled Canton, part of the archipelago nation of Kiribati — currently has a single usable runway, officially measuring 6,230 feet in length, although the total unimproved length is closer to 8,000 feet, based on satellite imagery.
elint.news 08.05.2021	ISR: Exercise "Chariots of Fire"	The IDF will begin tomorrow 09.05.2021 the largest exercise in its history called the "Chariots of Fire," which simulates a month of war on all fronts in the north and south. The exercise resembles an all-out war on Hezbollah and Hamas and massive firing of missiles.
scmp.com 07.05.2021	JPN: Japan steps up defence capabilities in new	Analysts say Tokyo's focus on space, cyberspace and the electromagnetic spectrum is purely defensive in the face of evolving security challenges. It has set up an electronic warfare unit and plans include more satellites, countering hackers, and a plane designed to jam enemy radar.

	domains, with eye on China and Russia	<i>(Vollständiger Report abrufbar unter:</i> https://www.scmp.com/week-asia/politics/article/3132528/japan-steps-defence-capabilities-new-domains-eye-china-and <i>)</i>
puolustusvoimat.fi 07.05.2021	FIN/USMC: United States Marine Corps F/A-18s to visit Karelia Air Command in June	Karelia Air Command will host a squadron-level visit of United States Marine Corps (USMC) F/A-18 Hornet multi-role fighters and KC-130 tanker and transport aircraft at Rissala Air Base from 2 to 20 June 2021. The visiting detachment consists of ten F/A-18 Hornet multi-role fighters from Marine Fighter Attack Squadron 115 (VMFA-115) accompanied by 1–2 KC-130 tanker and transport aircraft from Marine Aerial Refueler Transport Squadron 452 (VMGR-452). VMFA-115 is based at Marine Corps Air Station Beaufort (MCAS Beaufort), South Carolina, and VMGR-452 operates from Stewart Air National Guard Base (Stewart ANGB), New York. The total strength of the detachment arriving in Finland is around 250 Marines. <i>(Vollständige Medienmitteilung abrufbar unter:</i> https://puolustusvoimat.fi/en/-/1951206/united-states-marine-corps-f-a-18s-to-visit-karelia-air-command-in-june <i>)</i>
		Analysen, Studien, Reports, Fact Sheets, Infographics, Podcast und Videos
www.iaf.org.il/9331-52938-en/IAF.aspx	ISR: Operational Update	Special Report: Operational updates on the IAF's activity in Operation "Guardian of the Walls" until 20.05.2021. <i>(</i> https://www.iaf.org.il/9331-52938-en/IAF.aspx <i>)</i>
mitchellaerospace-power.org 18.05.2021	Building an Agile Force - The Imperative for Speed and Adaptation in the U.S. Aerospace Industrial Base	The U.S. Air Force is the only service that can "meet our nation's adversaries with mass, speed, agility, and survivability on near-immediate timelines," as it highlighted in its 2022 posture statement. Yet it is the oldest and smallest that it has ever been, and for decades the service has been unable to effectively transform and scale its force design into one that is positioned to meet the nation's future security needs. <i>(Vollständige Analyse abrufbar unter:</i> https://a2dd917a-65ab-41f1-ab11-5f1897e16299.usrfiles.com/ugd/a2dd91_776e3514d41f4e0aa1c0954050eaa194.pdf <i>)</i>
iaf.org.il 18.05.2021	ISR: An IAF Strike: Step by Step	When thinking about an Israeli Air Force strike, the first image that comes to mind is one of a speeding jet soaring through the sky, fully loaded with highly advanced munitions, led by determined aircrew members. What we don't always immediately think about, however, is the incredible attention to detail when planning and carrying

		<p>out each mission. How do aircrew members know exactly where and when to strike? Our reporter visited the command room at the IAF headquarters to find out more about the process</p> <p><i>(Vollständiger Report abrufbar unter:</i> https://www.iaf.org.il/9331-53079-en/IAF.aspx<i>)</i></p>
China Aerospace Studies Institute (CASI)	China Ballistic Missile Industry	<p>CASI's mission is to advance understanding of the capabilities, development, operating concepts, strategy, doctrine, personnel, organization, and limitations of China's aerospace forces, which include: the PLA Air Force (PLAAF); PLA Naval Aviation (PLAN Aviation); PLA Rocket Force (PLARF); PLA Army (PLAA) Aviation; the PLA Strategic Support Force (PLASSF), primarily space and cyber; and the civilian and commercial infrastructure that supports the above</p> <p><i>(Vollständige Analyse abrufbar unter:</i> file:///C:/Users/Standard/Downloads/2021-05-11%20Ballistic%20Missile%20Industry%20CASI%20publication.pdf<i>)</i></p>
news.usni.org 17.05.2021	USN: USNI News Fleet and Marine Tracker: May 17, 2021	<p>These are the approximate positions of the U.S. Navy's deployed carrier strike groups and amphibious ready groups throughout the world as of May 17, 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 sh</p> <p><i>(Infografik abrufbar unter:</i> https://news.usni.org/2021/05/17/usni-news-fleet-and-marine-tracker-may-17-2021<i>)</i></p>
jpost.com 16.05.2021	ISR/HAMAS: Israel is winning battles, Hamas is winning the war - analysis	<p>But despite the best efforts of activists, city officials and security forces, violence is still ravaging the streets of Israel. Enraged Arabs and Jews are clashing, with the terms "civil war" and "pogrom" thrown around by civilians living with the uncertainty of an unprecedented situation. So yes, the IDF is registering great achievements in Operation Guardians of the Walls, but meanwhile the house appears to be collapsing from within. Israel is winning battles for sure, but Hamas seems to be winning the war. In just a week, Hamas succeeded in igniting a civil conflict between Jews and Arabs within Israeli territory and sparking one of the largest conflicts with Gaza in recent years.</p> <p><i>(Vollständige Analyse abrufbar unter:</i> https://www.jpost.com/arab-israeli-conflict/israel-is-winning-battles-hamas-is-winning-the-war-analysis-668280<i>)</i></p>
jpost.com 15.05.2021	ISR:	<p>Illustrative video released by IDF demonstrates what the Hamas underground tunnel network looks like and how it was destroyed. (Credit: IDF Spokesperson)</p>

	This is how Israel destroys Hamas terror tunnels	<i>(Video abrufbar unter:</i> https://www.jpost.com/arab-israeli-conflict/watch-this-is-how-israel-destroys-hamas-terror-tunnels-668261?utm_source=ActiveCampaign&utm_medium=email&utm_content=AP%2C+AI+Jazeera+express+outrage+after+offices+in+Gaza+destroyed&utm_campaign=May+15%2C+2021+Night <i>)</i>
mod.go.jp 2021	JPN: Defense Programs and Budget of Japan - Overview of FY2021 Budget	Japan will steadily improve its defense capabilities as the third year of the “Medium Term Defense Program (FY2019 – FY2023)” (MTDP) (approved by the Cabinet on December 18, 2018) based on the “National Defense Program Guidelines for FY2019 and beyond” (approved by the Cabinet on December 18, 2018) in order to build a truly effective defense capability, “Multi-Domain Defense Force.” <i>(Vollständiges Dokument abrufbar unter:</i> https://www.mod.go.jp/en/d_act/d_budget/pdf/210331a.pdf <i>)</i>
puolustusvoimat.fi 06.05.2021	FIN: Finnish Military Intelligence Review 2021	Over the recent years, Finland’s military operating environment has undergone rapid changes, and the military strategic importance of neighbouring areas has grown. States in the neighbouring areas have continued to increase their defence expenditure, improve their readiness and engage in active exercise operations. It is increasingly more important to be able to gain comprehensive situational awareness of the complex operating environment. At the same time, this is also ever more challenging. In fact, the developments over the past years have set more and more requirements for military intelligence, operating at the front line of defence every day. Military intelligence is one of the key priorities in developing the Finnish Defence Forces. The building and development of different systems and technologies ensures that intelligence capabilities remain at the level required by the operating environment. <i>(Vollständiges Dokument abrufbar unter:</i> file:///C:/Users/Standard/AppData/Local/Temp/Finland%20-%20Mil%20Intel%20Review%202021%20-%20pv_sotilastiedustelu_raportti_www_eng-1.pdf <i>)</i>
foi.se April 2021 FOI-R--5124--SE Johan Engvall	SWE: Russia’s Military R&D Infrastructure - A Primer	Russia's military R&D infrastructure has long historical roots and consists of three main types of organisation - research institutes, design bureaus and scientific production associations. Research institutes primarily conduct applied research for the defence industry. Design bureaus engage in developing prototypes. Scientific production associations combine R&D facilities with their own production factories. Overall, the military R&D infrastructure consists of approximately 600 organisations. Out of these, there are about 300 research institutes, close to 130 design bureaus and roughly 170 scientific production organisations. Geographically, the R&D organisations are

		<p>largely concentrated in scientific industrial centres, which combine scientific research and production. Almost half of Russia's R&D entities are located in and around Moscow and almost one-fifth in St. Petersburg. Overall, Russia's military R&D can be divided into seven main branches: aviation; space technology; shipbuilding; conventional arms; radio electronics and communication systems; ammunition and special chemicals; and nuclear technology. In addition, the Russian government prioritises new critical military technology areas, such as artificial intelligence and robotics and autonomous systems. These are cross-cutting technologies with R&D initiatives taking place across the traditional branches. Nonetheless, the government has created several specific R&D initiatives to concentrate, streamline and speed-up technology development in these fields.</p> <p><i>(Analyse abrufbar unter:</i> file:///C:/Users/Standard/Downloads/FOIR5124%20(3).pdf<i>)</i></p>
jpost.com 25.03.2021	ISR: How the IDF invented 'Roof Knocking', the tactic that saves lives in Gaza	<p>Israel could have taken the easy way out and attacked without phone calls or warning strikes. But it didn't. The IDF officers and soldiers in the command center knew what they had to do.</p> <p><i>(Vollständiger Beitrag abrufbar unter:</i> https://www.jpost.com/arab-israeli-conflict/the-story-of-idfs-innovative-tactic-to-avoid-civilian-casualties-in-gaza-663170<i>)</i></p>

Zielsetzung NACHBRENNER	<p>Der NACHBRENNER hat zum Ziel eine am Thema Militärluftfahrt und Luftkriegsführung interessierte Leserschaft zeitnah über</p> <ul style="list-style-type: none"> ° Die Fähigkeiten und die Schlüsselfunktion von Air Power, ° die zentrale Bedeutung einer integrierten Luftverteidigung, ° die Weiterentwicklung von Luftstreitkräften mit einem besonderen Fokus Europa, ° Entwicklungen und Entwicklungstendenzen in der 3. Dimension sowie ° die möglichen verheerenden Folgen eines ungeschützten schweizerischen Luftraums für unsere Bevölkerung und Souveränität im Frieden, bei Terrorangriffen aus der Luft sowie im Konfliktfall
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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 2021-10</p>	<ul style="list-style-type: none"> ° Pro Schweiz Ausgabe Nr. 3 - Sicherheit Schweiz ° Infografik «Zuführung neuer Kampfflugzeuge in Europa» von René Zürcher
<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>