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LAND AND SEA

Office of Naval Research's *T-45C Goshawk* mixed-reality simulator, also known as Project Link, was showcased at Naval Air Station Meridian, Mississippi. Created in response to a request from Lt. Cmdr. Geoffrey Dick, the simulator combines virtual reality with a physical cockpit.

Source: [U.S. Navy](#)

SOFTWARE, SYSTEMS, AND CYBER

U.S. Department of Defense and the National Nuclear Security Administration inaugurate a new supercomputing system dedicated to biological defense at Lawrence Livermore National Laboratory.

Source: [U.S. Department of Defense](#)

The semi-final competition of the Defense Advanced Research Projects Agency's (DARPA) artificial intelligence (AI) cyber challenge known as *AIxCC*, culminates at Def Con 32. Seven teams receive a two-million-dollar each award and will advance to the finals stage.

Source: [DARPA](#)

The China-backed threat actor known as *Earth Baku* expands its targeting footprint beyond the Indo-Pacific region to include Europe, the Middle East, and Africa. Earth Baku has been conducting cyberespionage and cyber-attacks since October 2020.

Source: [Trendmicro](#)

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SPACE AND AEROSPACE

National Aeronautics and Space Administration's (NASA) *Tanager-1*, the first satellite of the carbon mapper coalition, successfully enters Earth's orbit following its launch aboard a SpaceX Falcon 9 rocket. The satellite will use imaging spectrometer technology to provide actionable data to reduce global warming.

Source: [NASA](#)

Indian Space Research Organisation (ISRO) launches Earth observation satellite EOS-8. The main objectives of the *EOS-8* mission are designing and developing a microsatellite, creating payload instruments compatible with the microsatellite bus, and incorporating new technologies required for future operational satellites.

Source: [Press Information Bureau](#)

Defence Research and Development Organisation successfully carries out the maiden flight test of the long-range glide bomb, *GAURAV*, from the *Su-30 MK-I* platform of the Indian Air Force.

Source: [Press Information Bureau](#)

BUSINESS UPDATES

Magellan Aerospace Corporation announces the signing of long-term agreements with Pratt and Whitney, an RTX business. The contracts include renewals of existing agreements and cover the supply of complex castings used on several old and new engine programs.

Source: [Magellan Aerospace](#)

Lockheed Martin and General Dynamics announce the signing of a strategic teaming agreement to produce solid rocket motors. Their initial work will include the production of solid rocket motors for the guided multiple-launch rocket system.

Source: [Lockheed Martin](#)

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GOVERNMENT UPDATES

Deputy secretary of state for management and resources, Richard R. Verma, is leading a U.S. delegation to Nepal and India. The delegation will travel to Nepal on August 16, 2024, and New Delhi, India, from August 17, 2024, to August 22, 2024.

Source: [U.S. Department of State](#)

U.S. Small Business Administration's (SBA) head, Isabel Casillas Guzman, led a U.S. delegation to India where she announced a new memorandum of understanding between the SBA and India's Ministry of Micro, Small and Medium Enterprises. Administrator Guzman also visited the technoshowcase organized by innovations for Defence Excellence, or iDEX, at the Indian Institute of Technology in Delhi.

Source: [U.S. Small Business Administration](#), [Press Information Bureau](#)

Governor of New Mexico, Michelle Lujan Grisham, visits India. The governor participated in economic development roundtables on cybersecurity and AI in New Delhi and met Lok Sabha speaker Om Birla. The governor also signed three letters of intent for student exchange programs with science and technology universities in Chennai.

Source: [Michelle Lujan Grisham Twitter](#), [Lok Sabha Twitter](#)

India's appointment committee of cabinet (ACC) appoints Sanjeev Kumar, a 1993-batch Maharashtra cadre officer, as secretary of the Ministry of Defence's Department of Defence Production. ACC also approves the appointment of 1991-batch Kerala cadre officer RK Singh as India's new defence secretary. RK Singh will take charge on October 31, 2024.

Source: [Business Standard](#)

After successfully participating in exercise *Udara Shakti 2024* in Malaysia, the Indian Air Force contingent returns to India on August 10, 2024.

Source: [Press Information Bureau](#)

A mixed crew of U.S. Navy and Royal Australian Navy personnel will participate in a submarine-tendered maintenance period (STMP) over the coming weeks. During this period, Australian technicians will perform maintenance on a U.S. Navy nuclear-powered fast-attack submarine (SSN) scheduled to arrive for a port visit. STMP is a step toward Australia becoming sovereign-ready to operate, maintain, and support a fleet of conventionally armed SSNs which is a central requirement in executing Pillar 1 of the AUKUS partnership.

Source: [U.S. Navy](#)

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On August 13, 2024, The U.S. Navy and French Navy joined forces to conduct bilateral operations in the Philippine Sea. The ships conducted formation sailing, combined communication, and simulated refueling at sea.

Source: [U.S. Navy](#)

North Atlantic Treaty Organization's soldiers from Canada, Latvia, Romania, Spain, the United States, and the United Kingdom gather to conduct field exercise *Paladin Strike* at the Adazi Military Camp Training Area, Latvia.

Source: [U.S. Army](#)

The U.S. Second Fleet's Arleigh Burke-class destroyer, *USS Delbert D. Black*, departs from Halifax, Canada, on August 15, 2024, to join maritime partners from Canada, Denmark, and the U.S. Coast Guard for *Operation Nanook 2024*.

Source: [U.S. Navy](#)

TENDERS AND REQUEST FOR PROPOSALS

CACI International Inc receives an award for a six-year expertise task order valued at up to \$239 million to provide intelligence analysis and operational support to U.S. Army Europe and Africa.

Source: [CACI International](#)

Lockheed Martin Missiles and Fire Control secures a \$129.97 million contract to procure tooling and test equipment needed to increase production quantities of joint air-to-surface standoff missiles and long-range anti-ship missiles.

Source: [U.S. Department of Defense](#)

SpinSys-Diné receives a \$35.12 million contract to provide operational support for existing systems and cybersecurity services in support of the Defense Health Agency's Enterprise Intelligence and Data Solutions program management office.

Source: [U.S. Department of Defense](#)

Honeywell International Inc. secures a \$25.79 million contract for strategic radiation-hardened microelectronics sustainment.

Source: [U.S. Department of Defense](#)

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IndUS Tech Council (IndUS Tech) is a Washington D.C. and New Delhi-based organization focused on accelerating U.S.-India technology collaboration, innovation, and investments. IndUS Tech's mission is to position the U.S.-India technology ecosystem for global innovation through thought leadership, policy advocacy, and facilitating collaborative partnerships between the two nations' private sectors.

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