



Source: [Wikimedia Commons](#)

# DOT Weekly

**NEWSLETTER DECEMBER 21 – DECEMBER 27, 2024 VOL: 2 ISSUE: 52**

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## LAND AND SEA

The Indian Defence Research and Development Organisation's centre for advanced systems hosted a workshop on hypersonics on December 21, 2024, marking the milestone of 1,000 hypersonic tests on space vehicles in its hypersonic wind tunnel.

**Source:** [Deccan Chronicle](#)

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India's fleet of nuclear submarines is poised for a significant technological advancement with the integration of conformal flank array side sonar systems. The technology will enhance the detection and tracking capabilities of the country's nuclear attack submarines.

**Source:** [Defence.in](#)

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## SOFTWARE, SYSTEMS, AND CYBER

OpenAI's newly released GPT-4o model represents a major advancement in logical reasoning and code-generation capabilities, significantly enhancing productivity for developers.

**Source:** [OpenAI](#)

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## SPACE AND AEROSPACE

The Indian Space Research Organisation (ISRO) and European Space Agency signed an agreement to collaborate on astronaut training, mission implementation, and research experiments.

**Source:** [ISRO](#)

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On December 21, 2024, True Anomaly launched its second mission, Mission X-2, deploying the Jackal Autonomous Orbital Vehicle or AOV aboard SpaceX's Bandwagon-2 rideshare mission. Mission X marks the launch and operational demonstration of Jackal, True Anomaly's inaugural spacecraft designed specifically for the space superiority market.

**Source:** [True Anomaly](#)

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## BUSINESS UPDATES

Hindustan Aeronautics Limited is experiencing delays in the delivery schedule for India's indigenous light combat aircraft or LCA Tejas Mk1A. The first two F-404 engines, sourced from General Electric Aviation, are now projected to arrive by March 2025.

Source: [Defence.in](https://www.defence.in)

## GOVERNMENT UPDATES

On December 26, 2024, Indian external affairs minister Dr. S. Jaishankar met with U.S. secretary of state Antony J. Blinken in Washington D.C. to review the progress of the U.S.-India partnership over the past four years. During his visit, Dr. Jaishankar also met with current U.S. national security advisor (NSA) Jake Sullivan and incoming NSA Mike Waltz.

Source: [MEA](https://www.mea.gov.in), [Jaishankar Twitter](https://twitter.com/SJaishankar), [Jaishankar Twitter](https://twitter.com/AntonyBlinken), [Jaishankar Twitter](https://twitter.com/JakeSullivan), [Jaishankar Twitter](https://twitter.com/MikeWaltz)

On December 24, 2024, foreign secretary Vikram Misri and Indian ambassador (Amb) to the United States Vinay Mohan Kwatra met U.S. deputy secretaries of state Amb. Richard Verma and Kurt Campbell to discuss strengthening U.S.-India ties. Amb. Verma also hosted a meeting with experts on India from think tanks at the U.S. Department of State.

Source: [Richard Verma Twitter](https://twitter.com/RichardVerma), [Economic Times](https://www.economic-times.com)

The Indian Navy will host a commemoration ceremony on December 30, 2024, in New Delhi, to honour the vital contributions of naval civilians to the navy's operational preparedness.

Source: [Press Information Bureau](https://www.pressinformationbureau.gov.in)

Defence secretary Rajesh Kumar Singh launched the Rashtraparv website and mobile app on December 25, 2024, commemorating good governance day.

Source: [Press Information Bureau](https://www.pressinformationbureau.gov.in)

On December 23, 2024, union home minister Amit Shah delivered the thirty-seventh intelligence bureau centenary endowment lecture in New Delhi.

Source: [Press Information Bureau](https://www.pressinformationbureau.gov.in)

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Deputy secretary of state Kurt Campbell met with South Korea's first vice foreign minister Kim Hong Kyun in Washington, D.C. on December 23, 2024, to discuss key bilateral and regional issues.

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

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The United States and Japan, through the extended deterrence dialogue, have developed the guidelines for extended deterrence to strengthen alliance consultation and communication procedures on extended deterrence.

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

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The bilateral naval exercise SLINEX 24 between India and Sri Lanka was conducted from December 17, 2024, to December 20, 2024, at Visakhapatnam under the Eastern Naval Command. The exercise featured a harbor phase and a sea phase.

**Source:** [Press Information Bureau](#)

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## TENDERS AND REQUEST FOR PROPOSALS

XTEND secures an \$8.8 million contract from the U.S. Department of Defense's Irregular Warfare Technical Support Directorate to deliver precision strike indoor and outdoor small unmanned aerial systems.

**Source:** [Defence Industries](#)

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Rolls-Royce Corp. receives a \$8.95 million contract for C-130J mission care propulsion support.

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

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General Dynamics Mission Systems Inc. is awarded a \$139.19 million contract for the production of MK 54 MOD 1 lightweight torpedo kits.

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

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Raytheon Co. secures a \$946.44 million contract for PATRIOT production hardware, software, and services.

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

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## About Us



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.