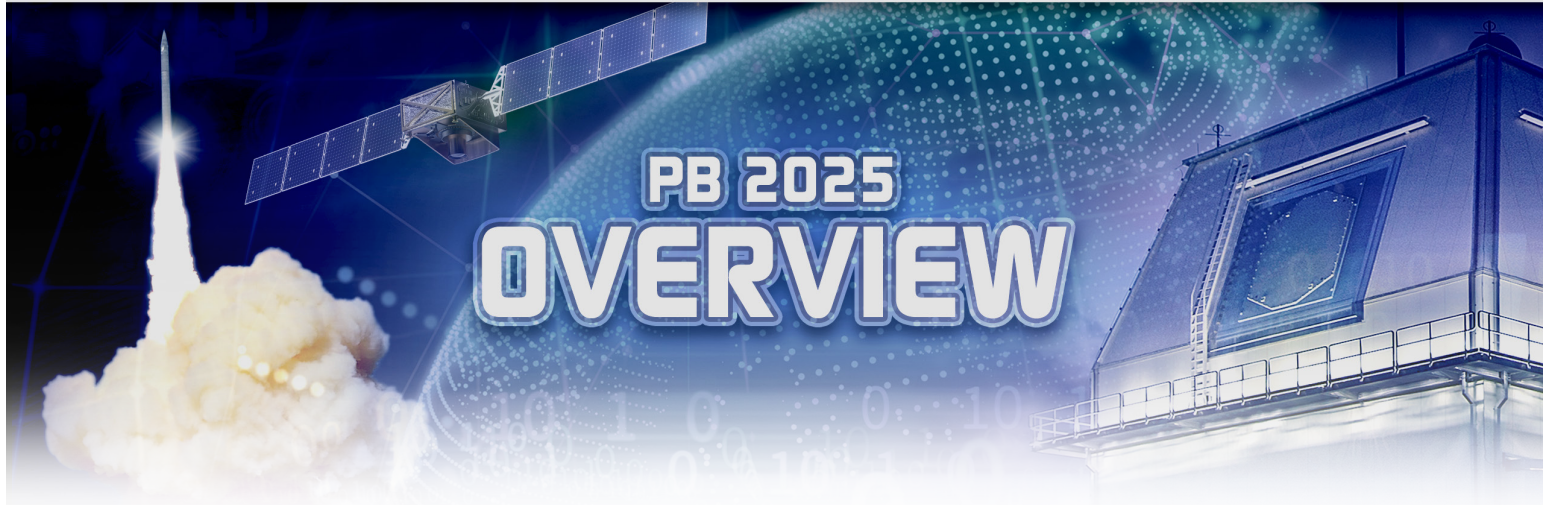




MISSILE DEFENSE AGENCY



The Missile Defense Agency (MDA) mission is to develop and deploy a layered integrated Missile Defense System (MDS) to defend the United States, its deployed forces, allies, and friends from missile attacks in all phases of flight. The MDA designs, develops, and delivers capabilities through the Services to meet Combatant Commands (CCMDS) joint requirements, and sustains advanced missile defense systems as part of the fully integrated and layered MDS.

MDA's budget request for Fiscal Year (FY) 2025 is \$10.4 billion. The FY 2025 budget will continue the development, rigorous testing and fielding of reliable, increasingly capable, advanced missile defenses.

The PB25 budget request continues alignment to the National Defense Strategy which emphasizes Regional Defense with PRC as the pacing challenge and continued Defense of the Homeland.

The following summarizes the highlights of major PB 2025 efforts in order of the MDS battle sequence: Detect, Control, and Engage:

Hypersonic & Ballistic Tracking Space Sensor (HBTSS) and Space-based Kill Assessment (SKA) request of \$120M to execute HBTSS on-orbit demonstration of tracking and targeting capabilities against hypersonic threats and continue SKA Hit Assessment capability for MDS flight testing.



Missile Defense AN/TPY-2 radar request of \$587M to upgrade and sustain 12 radars, continue production of 1 additional radar to deliver in FY25 (total of 13) and continue upgrades to improve discrimination capabilities.

Long Range Discrimination Radar (LRDR) request of \$105M with transfer to US Space Force (USSF) for operations in FY25 and continue software development for discrimination improvements.



Sea-Based X-band Radar (SBX) request of \$197M to continue operations at sea and radome replacement.

COBRA DANE Radar & UEWR request of \$22M to continue sustainment in partnership with USSF.

C2BMC request of \$517M to develop expanded hypersonic threat tracking and integration of space sensors to warn, track and type advancing threats and sustain the latest deployed C2BMC capability spiral

(8.2.5) which includes LRDR support tasking for GMD homeland defense engagements, initial hypersonic threat tracking and AN/TPY-2 Space Domain Awareness (SDA) for Combatant Commands and initiate C2BMC hardware obsolescence upgrades.

Ground-based Midcourse Defense (GMD) request of \$2.7B to continue **Next Generation Interceptor** design, development, prototyping, integration and testing; upgrade and replace existing GMD system infrastructure and fire control & kill vehicle software to improve reliability, capability, & cybersecurity resiliency; and procure long lead items for Phased Array In Flight Communication System Data Terminal retrofits to improve interceptor inventory management.



Defense of Guam request of \$1.2B to continue development and procurement of the Aegis Guam System and Vertical Launch Systems; and complete environmental impact studies and begin construction of Command Center Complex supporting missile defense command and control components, a Transportable Array Unit (TAU) Complex, and a launcher field complex.

Aegis Missile Defense request of \$1.2B to procure 12 SM-3 Block IIA missiles; procure critical SM-3 Block IB spares (no SM-3 Block IB missile procurement in FY25); and continue to provide additional software capability development to upgrade IAMD performance in Aegis ships, to include integration of missile defense capability with AN/SPY-6 radar for enhanced engagement capability and increased raid capacity.



THAAD request of \$732M to continue the development of THAAD system builds to increase Interceptor capability and weapon system performance to address the current and evolving threat, to include significant improvements which will provide the capability to counter more advanced threats; procure 12 THAAD interceptors; and begin initial engineering efforts supporting integration of the THAAD weapon system into the Army Integrated Air and Missile Defense Battle Command System (IBCS) architecture.

Hypersonic Defense request of \$182M to continue development of **Glide Phase Interceptor (GPI)** capability to address hypersonic missile threats and continue maturation of critical technology elements.



Missile Defense System Test request of \$447M to conduct ground, flight, and cyber testing, maintains test infrastructure. FY25 Test Highlights: FEM-02 (experimental flight test of the Defense of Guam initial deployment architecture), FTX-40 (tests the Aegis Sea-Based Terminal firing an SM-6 against a hypersonic glide vehicle), FTM-30 (intercept flight test, demonstrates an SM-3 Block IIA missile against an MRBM with exo-atmospheric countermeasures), and FTX-26a (an LRDR track exercise required for USSF operational acceptance of the radar).

Missile Defense System Targets request of \$536M to develop and produce threat representative targets to support IMTP.

Israeli Programs request of \$500M as part of US-Israeli MOU to procure and continue development of Israeli Programs to include Arrow Weapon System, David's Sling Weapon System, and Iron Dome Defense System.

In summary, MDA requests **\$10.4 billion in FY 2025** for missile defense development efforts to continue building Warfighter confidence by focusing on readiness and sustainment, increasing capability and capacity of fielded homeland and regional defense systems, and increasing the speed of delivery of advanced technology to counter the advanced missile threat.

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