



NEWS RELEASE

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GA-ASI'S GRAY EAGLE EXTENDED RANGE UAS SUPPORTS ARMY VANGUARD DEMOS

SAN DIEGO – 15 October 2024 – As part of the U.S. Army's Vanguard demonstrations that took place in Fort Huachuca, Arizona, on Sept. 17–18, 2024, a Gray Eagle Extended Range (GE-ER) Unmanned Aircraft System (UAS) provided by the U.S. Army Intelligence and Security Command (INSCOM) showcased several new capabilities, including the integration of an Expeditionary Cyber Chassis (ECC) for Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance and Reconnaissance (C5ISR) and Modular Open Suite of Standards (CMOSS) with Communications Intelligence (COMINT) and Mobile Ad Hoc Networking (MANET) radios from Silvus Technologies.

Sponsored by Col. Danielle Medaglia, Product Manager for Uncrewed Aircraft Systems, and operated by U.S. Army Soldiers, the GE-ER successfully demonstrated data relay and voice communication over significant distances, extending the range, quality, and speed of data exchanges for ground units. The demonstration also verified the capability of relaying video and chat messages between ground users equipped with Silvus 4200 MANET radios, highlighting the progress being made in enhancing tactical communications and situational awareness.

While utilizing the COMINT system, Gray Eagle was able to detect stationary and moving targets at significant ranges and provide data for analysis to expeditionary intelligence cells. This expansion of Gray Eagle capabilities is due to its open architecture, which exemplifies the Army's Transformation in Contact (TIC) concept. The Army benefits by using an existing system to reduce risk and impacts while gaining new capabilities without the prolonged timelines of an acquisition new start.

"We're excited to work with our Army customer to increase the relevance and capabilities of the GE-ER platform," said Chris MacFarland, sector vice president of Strategic Development for Army Programs. "These efforts of Vanguard to demonstrate new capabilities hosted on CMOSS hardware will improve the Army's premier UAS platform in supporting advanced UAS operations."

Built by GA-ASI and operated by the U.S. Army, the GE-ER participating in the exercise represents the future capabilities of the Gray Eagle 25M's open architecture design, allowing for rapid integration of vendor-agnostic sensors, radios, and payloads needed for Multi-Domain Operations. The ability to fully integrate internally mounted long-range sensors and launched effects, while controlling them with modernized laptop ground control systems, significantly enhances its survivability and lethality. Along with advanced data links, resilient GPS navigation systems, and an upgraded propulsion system, the GE 25M is resilient to electronic threats when deployed in expeditionary and austere locations.

About GA-ASI

General Atomics Aeronautical Systems, Inc. (GA-ASI), an affiliate of General Atomics, is a leading designer and manufacturer of proven, reliable RPA systems, radars, and electro-optic and related mission systems, including the Predator® RPA series and the Lynx® Multi-mode Radar. With more than eight million flight hours, GA-ASI provides long-endurance, mission-capable aircraft with integrated sensor and data link systems required to deliver persistent situational awareness. The company also produces a variety of sensor control/image analysis software, offers pilot training and support services, and develops meta-material antennas.

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