BCANGB – C-UAS SALIENT CHARACTERISTICS

Handheld mitigation system that integrates with external detection and tracking sources to allow an operator to mitigate small Unmanned Aerial Systems (UAS) Groups 1 and 2.

The system will mitigate drone threats by emitting a directional disruption or jamming signal in the electro-magnetic-radio spectrum. Mitigation methods employing optical or laser 'dazzling' are not acceptable. The system is not required to have its own organic detection and tracking capabilities, but must be capable of integrating with the Android Team Awareness Kit (ATAK) to receive target cueing data.

The system must be small, mobile, and man-portable, and able to be operated by a single person while continuously moving on foot. The system shall not require the operator to stop ground movements to set up and engage threats.

The mitigation component of the system must possess a rifle-style or gun-like physical form factor, designed to be shouldered or held and aimed at a specific target. The system must be a standalone device and not an accessory or attachment that requires mounting to a duty weapon (e.g., M4 rifle). This directional, point-and-shoot capability is critical to minimize collateral interference with friendly communications and legitimate commercial UAS operations in the area. Systems that create a general, non-directional jamming "bubble" around the operator are not acceptable.

The drone gun portion of the system must be able to disrupt signals on RF frequencies as well as drones being controlled by GPS satellite frequencies. The system must mitigate and defeat drones utilizing commercial off the shelf (COTS) frequencies. Drone guns must be handheld and not for a fixed position.

The system must have the capability to mitigate single drones, drone swarms, and autonomous drones that are preprogrammed for navigation without a direct operator link.

The system must be capable of being vetted and approved for use under 10 U.S.C. § 130i. As a condition of award, the apparent awardee’s proposed system will be submitted for a full legal review by the Headquarters Air Force Judge Advocate (HAF/JA). To facilitate this review, the apparent awardee must provide a submission package that includes, at a minimum:

- Technical specifications of the system, detailing how it defeats the threat.
- Available test and evaluation data detailing the system's accuracy, effects, and reliability.

The HAF/JA review will ensure the system complies with all applicable domestic laws, including Federal Aviation Administration (FAA) airspace regulations and Federal Communications Commission (FCC) spectrum rules. Final contract award is contingent upon receiving successful legal clearance from HAF/JA.

This requirement is for two (2) handheld, rifle-style drone gun systems and an on-site training package (train the trainer) for up to 10 members over one day of instruction.