

## **AeroVironment, Inc.**

### **Border Security Technology Consortium (BSTC)**

AeroVironment, Inc. is a technology solutions provider that designs, develops, produces, supports and operates an advanced portfolio of Unmanned Aircraft Systems (UAS) and electric transportation solutions. The company's electric-powered, hand-launched UAS generate and process data to deliver powerful insight, on demand, to people engaged in military, public safety and commercial activities around the world. AeroVironment has delivered thousands of new and replacement small unmanned air vehicles to customers within the United States and to more than 30 allied governments.

AeroVironment's family of small UAS consists of the RQ-11B Raven<sup>®</sup>, RQ-12 Wasp<sup>®</sup>AE, RQ-20A Puma<sup>™</sup>AE and Shrike VTOL<sup>™</sup>. Operating with a common ground control system (GCS), this family of systems provides increased capability to the warfighter that can give ground commanders the option of selecting the appropriate aircraft based on the type of mission to be performed. This increased capability has the potential to provide significant force protection and force multiplication benefits to small tactical units and security personnel. AeroVironment's common GCS interfaces with all of its tactical intelligence, surveillance and reconnaissance (ISR) air vehicles reducing the level of training required and decreasing the time and cost involved. AeroVironment also provides logistics services worldwide to ensure a consistently high level of operational readiness and provides mission services for customers requiring only the information its small UAS produce.

Below are summary descriptions of AeroVironment's small UAS products. For further information, visit our website at [www.avinc.com](http://www.avinc.com).

- **Raven<sup>®</sup>:** The Raven is the most widely used unmanned aircraft system in the world today. The Raven B DDL<sup>®</sup> system is designed for rapid deployment and high mobility for applications requiring low-altitude surveillance and reconnaissance intelligence. The Raven delivers real-time color or infrared (IR) imagery to the ground control and remote viewing stations. The hand-launched Raven provides aerial observation, day or night, at line-of-sight ranges up to 6.2 miles.
- **Wasp<sup>®</sup>:** The Wasp AE (All Environment) delivers exceptional features of superior imagery, increased endurance, encrypted video, and ease of use that is inherent in all AeroVironment UAS solutions. Operating virtually undetected, Wasp AE's mechanically stabilized EO/IR gimbal payload transmits advanced imagery in high wind conditions for mission effectiveness. The Wasp AE has a communications range of 5 km and flight endurance of 50 minutes.
- **Puma<sup>™</sup>:** The Puma AE is designed for land based and maritime operations and delivers 3.5+ hours of flight endurance. The Puma is quiet to avoid detection and operates autonomously, providing persistent ISR. Its powerful propulsion system and aerodynamic design make it efficient and easy to launch, especially in high altitudes and hotter climates. It carries both an electro-optical (EO) and IR camera plus illuminator on a lightweight mechanical gimballed payload, allowing the operator to keep "eyes on target."
- **Shrike VTOL<sup>™</sup>:** Shrike is a portable Vertical Take-Off and Landing vehicle (VTOL) system designed for front-line day/night ISR. Capable of being deployed by a single operator, Shrike VTOL provides immediate and persistent ISR in high-density environments. Shrike VTOL operates in hover-and-stare or perch-and-stare modes, transmitting real-time persistent ISR to small unit commanders through AeroVironment's common GCS.