

Joint Biological Standoff Detection System (JBSDS)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



MISSION

To protect U.S. forces by detecting, tracking, and discriminating aerosol clouds of biological warfare agents.

DESCRIPTION

The Joint Biological Standoff Detection System (JBSDS) is a detector, or network of detectors, that provides standoff detection, discrimination, and warning of Biological Warfare Agent (BWA) clouds. The JBSDS is the first biological defense detect-to-warn capability to protect individual warfighters. The JBSDS provides initial early warning capability against BWA attack by detecting aerosol clouds out to five kilometers with Infrared (IR) Light Detection and Ranging (LIDAR) and discriminating biological versus non-biological particles in clouds out to one kilometer with Ultra-Violet (UV) and IR LIDAR. JBSDS operates at fixed sites or in a stationary mode on mobile platforms.

JBSDS meets all environmental, vibration, and shock requirements of its intended platforms, as well as requirements for reliability,

availability, and maintainability. JBSDS includes military global positioning capabilities.

SYSTEM INTERDEPENDENCIES

Single Channel Ground and Airborne Radio System (SINCGARS), Combat Service Support Automated Information Systems Interface (CAISI)

PROGRAM STATUS

- **1QFY09:** Completed product verification test
- **1QFY10:** Receive full materiel release and full-rate production decision
- **1QFY10:** First-unit equipped/initial operational capability Army

PROJECTED ACTIVITIES

- **2QFY12:** Full operational capability

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Joint Biological Standoff Detection System (JBSDS)

FOREIGN MILITARY SALES

None

CONTRACTORS

Science and Engineering Services, Inc.
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