

Joint Biological Point Detection System (JBPDS)

Protects the Soldier by providing rapid and fully automated detection, identification, warning, and sample isolation of high-threat biological warfare agents.

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

Description & Specifications

The Joint Biological Point Detection System (JBPDS) is the first joint biological warfare (BW) agent detection system designed to meet the broad spectrum of operational requirements encountered by the services, across the entire spectrum of conflict. It consists of a common biosuite that can be installed on vehicles, ships, and at fixed sites to provide biological detection and identification to all service personnel. JBPDS is portable and can support bare-base or semi-fixed sites. JBPDS will presumptively identify 10 BW agents simultaneously. It will also collect a liquid sample for confirmatory analysis and identification. Planned

product improvements will focus on reducing size, weight, and power consumption while increasing system reliability.

JBPDS can operate from a local controller on the front of each system, remotely, or as a network. JBPDS meets all environmental, vibration, and shock requirements of its intended platforms, as well as requirements for reliability, availability, and maintainability. JBPDS includes both military and commercial global positioning, meteorological, and network modem capabilities. The system will interface with the Joint Warning and Reporting Network (JWARN).

Program Status

- **1QFY07:** Low rate initial production

Projected Activities

- **2QFY07:** Follow-on operational test and evaluation
- **3QFY08:** Full rate production decision

ACQUISITION PHASE

Concept & Technology Development

System Development & Demonstration

Production & Deployment

Operations & Support

Joint Biological Point Detection System (JBPDS)

FOREIGN MILITARY SALES

None

CONTRACTORS

General Dynamics ATP Division
(Charlotte, NC)

