

# Joint Biological Point Detection System (JBPDS)

## INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance



## MISSION

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

## DESCRIPTION

The Joint Biological Point Detection System (JBPDS) is the first joint biological warfare agent (BWA) 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 integrated onto Service platform, shipboard, or trailer mounted to provide biological detection and identification to all service personnel. The JBPDS is portable and can support bare-base or semi-fixed sites. JBPDS will presumptively identify 10 BWAs simultaneously. It will also collect a liquid sample for confirmatory analysis and identification. Planned

product improvements will focus on identification sensitivity, life cycle costs, and system reliability.

JBPDS can operate from a local controller on the front of each system, remotely, or as part of a network of up to 26 systems. JBPDS meets all environmental, vibration, and shock requirements of its intended platforms, as well as requirements for reliability, availability, and maintainability.

The 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).

## SYSTEM INTERDEPENDENCIES

Joint Warning and Reporting Network (JWARN), Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV), Biological Integrated Detection System (BIDS)

## PROGRAM STATUS

- **2QFY08:** Extended low-rate initial production
- **4QFY09:** Full-rate production decision

## PROJECTED ACTIVITIES

- **2QFY10:** Continue unit fieldings
- **2QFY10:** Follow-on operational test and evaluation

## ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

**Joint Biological Point Detection System (JBPDS)**

**FOREIGN MILITARY SALES**

Japan

**CONTRACTORS**

General Dynamics Armament and  
Technical Products (GDATP)  
(Charlotte, NC)

