

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

### *DESCRIPTION*

The JBPDS will provide rapid point biological agent detection and warning, identification, and sample isolation capability. As a point detector, JBPDS will be used as an integral part of an evolving detection and warning/de-warning network. To meet the operational requirements, the JBPDS may include multiple biological detection and identification solutions into platform specific configurations. Each system configuration will consist of three functional areas: detection and warning, sample collection, and identification. The JBPDS is a Joint program with the Army as the lead Service. It provides real-time biological agent detection, warning, identification, and also collects and preserves samples for further analysis. This system is self-contained and portable and requires minimal operations and maintenance support. The Program is second on the JSIG priority list.

PROCUREMENT PROFILE:	FY00	FY01
<i>Quantity:</i>	<i>0</i>	<i>4</i>

### *OPERATIONAL IMPACT*

The JBPDS provides commanders with a capability to sample, detect, and identify all classes, forms, and types of biological warfare (BW) agents - those listed under International Task Force (ITF) - 21, and to warn of their presence. Because of the limitations in technology, initial models/configurations of JBPDS may be limited to identifying selective classes or types of BW agents (e.g. Bacillus Anthracis and/or Botulinum Toxin A). In fulfillment of its mission, JBPDS is expected to provide commanders with an indication of the presence and/or absence of BW agents and/or toxins. The JBPDS along with intelligence, vaccinations and protective clothing and equipment, and NBC Defense tactics, training, procedures will form an integrated biological defense system to maximize combat effectiveness. The JBPDS will be fielded on a variety of platforms: vehicle mounted, shipboard, fixed-site, and man-portable. Unit NBC specialists will maintain the JBPDS. The JBPDS can utilize alternate power sources and provide two-way communications through a telemetry link, a secure command and control radio frequency link, or a two-wire surface link. The JBPDS delivers both a visual and aural warning upon detection of possible biological agents.

### *PROGRAM STATUS*

IOC is scheduled for FY01 and FOC for FY03.

### *DEVELOPER/MANUFACTURER*

Lockheed Martin