

Joint Biological Point Detector System (JBPDS)

Description

The JBPDS program is an integration of the Army, Navy, and Air Force Service specific development programs. It provides near real time biological agent detection, warning, and identification and can also collect and preserve samples for further analysis. The system is self contained, portable, and requires minimal operations and maintenance support. The suite consists of complementary detector, collector, and identifier technologies and will, in less than 20 minutes, will be capable of detecting biological warfare (BW) agents in quantities below the amount needed to impact combat effectiveness. in less than 20 minutes. It provides a common detection capability for Joint interoperability that is mountable on military vehicles.

The JBPDS will: increase the number of agents that can be identified; decrease detection time; increase detection sensitivity; provide automated knowledge-based, near-real-time detection and identification; and, provide a first time point detection capability to the Marine Corps. An evolutionary component/suite upgrade acquisition approach will be used to provide the Services a common point detection capability.

Operational Impact

The JBPDS will enhance the survivability of U.S. Forces. It will provide commanders with near-real-time biological agent detection and identification, as well as sample collection capabilities. The primary purpose of the JBPDS will be to limit the effects of biological agent attacks that have the potential for catastrophic effects to U.S. Forces. It may also assist medical personnel in determining effective preventive measures, prophylaxis, and the appropriate treatment if exposure occurs. Detection and identification of biological agents within the theater of operations will increase the effectiveness of U.S. Forces by limiting adverse impacts on operations and logistical systems. The JBPDS will provide the Marine Corps the capability for point detection and identification of airborne BW agents.

Program Status

Operational Assessment for nine systems (four man portable, four shelter, and one shipboard) is expected in FY02. IOT&E and a production Milestone III are scheduled for FY03.

Procurement Profile: FY01 FY02

<i>Quantity:</i>	<i>9</i>	<i>16</i>
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Developer/Manufacturer

Intellitec, with Battelle as a subcontractor, is the contractor for the first phase of LRIP. There will be separate solicitations for the second phase of Low Rate of Initial Production consisting of sixteen systems and production.