



Joint Biological Tactical Detection System Inc 1

JBTDS Inc1

Description

The Joint Biological Tactical Detection System (JBTDS) Acquisition Category III (ACAT III) program is a lightweight biological agent system that will detect, warn, and provide presumptive identification and samples for follow-on confirmatory analysis. The JBTDS is comprised of the detector, identifier, and the base station and has a network capability. The JBTDS will be portable and capable of being battery operated. The JBTDS will be employed organically at the battalion and lower levels across the services by CBRN personnel in multiple operating environments (e.g. forward operating bases, amphibious landing sites, and tactical patrols). The JBTDS will provide near real time detection of biological threats and through its network capability, will provide rapid situational awareness to units in the area of operation. JBTDS will enhance force protection and maximize combat effectiveness by enhancing medical response to biological threats. JBTDS will augment existing biological threat detection systems to provide a theater wide seamless array capable of early detection and warning.



Mission

JBTDS will provide the capability to detect, collect, and identify biological aerosol hazards to support Mission Oriented Protective Posture (MOPP) decisions and downwind hazard warnings at the tactical level. JBTDS will be operable across the full spectrum of operations in multiple environments. The system will support Joint Forces during periods of increased biological threat, and during routine biological surveillance operations as part of force protection capabilities for fixed sites and Forward Operating Bases (FOBs).

Capabilities

- Biological Point Detection
- CBRN Reconnaissance
- Integrated Early Warning
- Personnel Contamination Mitigation
- Fixed-site Contamination Mitigation
- Threat Detection: Aerosolized bacteria, bacterial spores, viruses, toxins

Users

USSOCOM, US Navy, US Marine Corps, US Army

Status

Engineering and Manufacturing Development - Anticipated Fielding: FY 2020 Q4

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