

## Information Paper

**Subject: Joint Biological Agent Identification and Diagnostic System (JBAIDS)**

**1. Purpose:** To provide information on JBAIDS System to include support and contact information.

**2. Background:** The JBAIDS is a Department of Defense (DoD) mandated system and is the single accepted platform designed to support rapid, reliable and specific identification, and diagnostic confirmation of biological agent exposure and infection. It is a microbiology laboratory instrument system capable of simultaneous reliable identification of multiple biological threat agents and other biological agents of operational significance. Through the use of advance scientific technology (polymerase chain reaction), infectious diseases, whether naturally occurring or intentionally, can be identified quickly with high sensitivity and specificity. The JBAIDS will augment existing laboratories. It will operate in fixed medical laboratories and deployed medical units as a stand-alone system. It will enhance force protection by providing commanders and health care providers the ability to make fully-informed decisions that govern early warning, intervention and prevention, including clinical diagnosis of patient disease. The JBAIDS is assigned to the United States Joint Services (Army, Navy, Air Force and Marine Corps).

**3. Newly Deployed JBAIDS Systems:** Each new JBAIDS system is fielded with all of its assays, extraction kits, and Associated Support Items of Equipment (ASIOE) to enable full capability of the system. A hard copy of the JBAIDS System Manual will accompany each JBAIDS at fielding.

**4. Maintenance:** In accordance with the Operation Requirements Document (ORD), the maintenance support is comprised of a two-level maintenance concept: Organizational (O-level) and Depot (D-Level). The O-level maintenance will be organic to the unit and will be performed by the JBAIDS operators only. The depot-level maintenance is through contractor logistics support (CLS) offered by the Original Equipment Manufacturer (OEM) for the life of the system.

**a. Organization-Level (O-Level) Maintenance.** O-level maintenance actions are limited to basic maintenance and troubleshooting tasks on the system to include removal and/or replacement of the line replacement units (LRU). The following is a list of O-level maintenance tasks:

- Carousel Cleaning
- Chamber Fan Blade Replacement
- Chamber Fan Motor Replacement
- Fan Motor Lubrication
- Serial Cable Receptacle Replacement

- Case Blower Filter/Retainer Cleaning or Replacement
- Case Blower Replacement
- 3V Lithium Battery Replacement
- Power Switch Fuse Replacement
- Power Switch Module Replacement
- Platter Cleaning

b. **Depot-Level (D-Level) Maintenance.** The OEM will be responsible for depot-level maintenance under CLS. The OEM will perform all repairs, beyond O-level maintenance due to system failures.

Note: Since the OEM is responsible for depot-level maintenance, there are no requirements for personnel to be trained at the DoD Biomedical Equipment Technician (BMET) training school.

c. **Warranties.** Each JBAIDS has a 1-year warranty that begins at the time of delivery to the gaining units. The 1-year parts, labor and service warranty covers repairs due to component failure, labor costs, and parts repair/replacement.

Notes:

1. All shipping costs for repairs are paid by the government.
2. At the end of this 1-year warranty, repairs can be performed via CLS.
3. Commanders must plan for the cost of maintenance after initial fielding and expiration of the manufacturer's warranty.

d. **Contract Logistics Support (CLS).** Interim CLS for depot-level maintenance is provided for the first year with 1-year extension options available. It is somewhat the equivalent of a maintenance warranty. Each Service is required to pay for the extensions. Malfunctioning instruments must be sent to the factory/depot for repair. The JBAIDS System Manual describes how to arrange for factory repair and have contact information for CLS purchase.

e. **Operational Readiness Floats (ORF).** JBAIDS ORFs will be placed at a designated supply support activity (SSA) at the discretion of each of the services. The OEM will also maintain additional JBAIDS spares in order to minimize total turnaround time.

**5. Supply Support:** JBAIDS laboratory support equipment and supplies are Service-specific commercial-off-the-shelf (COTS) items. The initial fielding equipment and supply list includes enough supplies to sustain operations for about two weeks. Certain reagents must be carefully handled due to their short shelf-life and sensitive nature. Logisticians must ensure proper thermal management during shipping and storage until the arrival at the point of use.

- **Requisitioning Procedures.**

- Idaho Technology, Inc is the source of supply for all JBAIDS instruments, computers, and accessories (freeze-dried reagents, purification kits and supplies). It is the Services responsibility to contact Idaho Technology to requisition replacement for these items at:

- Phone: (801) 736-6354 (option #2 or ext 414) or 1-800-735-6544 (option # 2 or ext 414).

- By Email: [it@idahotech.com](mailto:it@idahotech.com) – ITI Product Support Team

- Associated Items of Equipment (ASIOE). Laboratory equipment and consumable supplies supporting JBAIDS are available through standard supply sources which are predominantly commercial manufacturers, vendors, and distributors cataloged in the Universal Data Repository (UDR) and in the Federal Logistics (FEDLOG) systems.

## 6. Training and Training Support:

**a. Training.** The U.S. Army Medical Department Center and School (AMEDDC&S) is the lead agent in establishing and conducting the JBAIDS Operator Training Course. AMEDDC&S will be responsible for integrating familiarization training for all services.

**b. Training Course.** A 10-day training course has been developed to train all personnel (enlisted, officers, and civilians) selected for assignment as Operators or Advanced Operators in units equipped with the JBAIDS. The course is designed to train Operators or Advanced Operators to a level of proficiency in test doctrine, operation (roles, capabilities, procedures, and interpretation of results of the JBAIDS, and maintenance procedures), and deployment of JBAIDS.

**c. New Equipment Training (NET).** Gaining commands will be responsible for selecting two operators from their organizations to attend the JBAIDS Operator Training Course (NET training) at Brooks City Base, San Antonio, TX.

**d. Operator Courses.** JBAIDS operators' training will be conducted at the AMEDDC&S. Operators shall receive training no later than 30 – 60 days prior to their unit's receipt of JBAIDS. The course includes 26.75 hours of classroom instruction, 47.5 hours of practical exercises and 3 hours of examination.

**e. Follow-On Equipment Training.** Following initial fielding of systems, replacement personnel must be trained periodically. Contact the JBAIDS training school (AMEDDC&S) to arrange for this training. Funding for training replacement personnel is the responsibility of the unit commander.

## 7. Point of Contact:

POC is Medical Scientific Division at DSN 343-4382.