

Summary Report for Individual Task  
031-509-3001  
Employ Biological Detection Systems  
Status: Approved

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**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD5** - This product/publication has been reviewed by the product developers in coordination with the MSCoE, Fort Leonard Wood, Missouri foreign disclosure authority.

This product is releasable to students from all requesting foreign countries without restrictions.

**Condition:** As a BIDS Platoon Leader in a chemical company, given orders from higher headquarters (HQ) with a mission ( biosurveillance operation) that can be accomplished with available resources (BIDS platoon with all organic assets) and intelligence reports that enemy forces have the capability to employ biological warfare agents (BWA). Some iterations of this task should be performed in MOPP 4.

**Standard:** Advise the commander on employment of M31A2 Biological Integrated Detection System (BIDS) platoon in support of the highers mission and Biological Surveillance Tasks; advise the commander on BIDS equipment capabilities and limitations; identify the purpose of biological surveillance; advise the commander on employment of BIDS in support of highers mission; brief the commander on the plan; coordinate for support from higher headquarters, if required.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:** Sometimes

<b>Task Statements</b>
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**Cue:** None

<b>DANGER</b>
None

<b>WARNING</b>
None

<b>CAUTION</b>
None

**Remarks:** None

**Notes:** None

## Performance Steps

### 1. Advise the commander on Biological Surveillance Tasks

- a. Monitor
- b. Observe
- c. Detect
- d. Identify
- e. Quantify
- f. Collect
- g. Report

### 2. Advise the commander Joint Biological Point Detection System (JBPDS)

#### a. Capabilities:

- (1) Continuously monitors
- (2) Presumptively ID's up to 10 BWAs simultaneously
- (3) Rapidly detects
- (4) Line replaceable units (LRU) within the system
- (5) Deployable (setup and operational, once on site) within 60 mins
- (6) System possesses self-sustaining power source (10 generator)

#### b. Limitation:

- (1) Presumptive Identification
- (2) Not Early Warning (Detect to treat)
- (3) Cannot detect on the move
- (4) Detection can be compromised/affected by terrain (trees)

### 3. Recommend BIDS surveillance to the commander

#### a. Identify the purpose of surveillance

(1) BIDS surveillance is a passive contamination avoidance measure that provides commanders with information on biological hazards.

(2) The knowledge of the biological hazards allows the commanders to make better decisions.

Note: Presumptive identification provides the commanders with a degree of confidence and certainty to support immediate tactical decisions only.

b. Advise the commander on employment of BIDS in support of higher's mission:

(1) Observes CBRN named areas of interest (NAIs) designated in the intelligence, surveillance, and reconnaissance (ISR) collection plan.

(2) Collects biological samples as required in the overall sample management plan.

(3) Requires external decontamination support.

(4) Provides static biological surveillance

(5) Information provided allows medical treatment to be optimized

4. Brief the commander on the plan and coordinate for support from higher headquarters, if required.

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the Soldier GO if all performance measures are passed (P). Score the Soldier NO-GO if any performance measure is failed (F). If the Soldier scores NO-GO, show the Soldier what was done wrong and how to do it correctly.

**Evaluation Preparation:** tup: Evaluate this task during a Command Post Exercise (CPX) or during a normal training session. Gather all equipment and materials listed in the condition statement. Develop several sets of scenarios for testing purposes. Use approved simulants, devices, or sources to simulate contamination.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Advised the commander on CBRN Surveillance Tasks			
a. Monitor			
b. Observe			
c. Detect			
d. Identify			
e. Quantify			
f. Collect			
g. Report			
2. Advised the commander on BIDS Joint Biological Point Detection System (JBPDS) capabilities and limitations:			
a. Capabilities:			
(1) Continuously monitors			
(2) Presumptively ID's up to 10 BWAs simultaneously			
(3) Rapidly detects			
b. Limitation:			
(1) Presumptive Identification			
(2) No Early Warning (Detect to treat)			
(3) Cannot detect on the move			
3. Recommended BIDS surveillance to the commander			
a. Identified the purpose of surveillance			
(1) BIDS surveillance is a passive contamination avoidance measure that provides commanders with information on biological hazards.			
(2) The knowledge of the biological hazards allows the commanders to make better decisions.			
b. Advised the commander on employment of BIDS in support of higher's mission:			
(1) Observes CBRN named areas of interest (NAIs) designated in the intelligence, surveillance, and reconnaissance (ISR) collection plan.			
(2) Collects biological samples as required in the overall sample management plan.			
(3) Requires external decontamination support.			
(4) Provides static biological surveillance			
(5) Information provided allows medical treatment to be optimized			
4. Briefed the commander on the plan and coordinated for support from higher headquarters, if required.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 3-11.36	MULTI-SERVICE TACTICS, TECHNIQUES, AND PROCEDURES FOR CHEMICAL, BIOLOGICAL, RADIOLOGICAL, AND NUCLEAR ASPECTS OF COMMAND AND CONTROL	No	No
	ATP 3-11.37	Multi-Service Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Reconnaissance and Surveillance	No	No

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK

**ASSESSMENT.**

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :** None

**Supported Collective Tasks :** None

**ICTL Data :**

<b>ICTL Title</b>	<b>Personnel Type</b>	<b>MOS Data</b>
74A, CBRN Officer BOLC - Version 13	Officer	AOC: 74A, Rank: 1LT