

Summary Report for Individual Task
031-516-3001
Employ Mounted Reconnaissance Assets NBC-RV
Status: Approved

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 Mounted CBRN Reconnaissance Platoon Leader in a brigade combat team (BCT), tasked with advising the commander on employment of mounted reconnaissance assets NBC-RV in support of the the brigades mission. Given a warning order (WARNO) or operation plan (OPLAN) from higher headquarters with the area of operations.

Standard: Advise the commander on CBRN Reconnaissance and Surveillance Tasks; advise the commander on NBC-RV equipment capabilities and limitations; identify requirement for NBC-RV; identify the purpose of CBRN reconnaissance; advice the commander on employment of NBC-RV in support of the BN/BDE mission; brief the commander on the plan; coordinate for support from higher headquarters, if required.

Special Condition: None

Safety Risk: Low

MOPP 4:

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: None

Performance Steps

1. Advise the commander on CBRN Reconnaissance Tasks:
 - a. Locate CBRN hazards.
 - b. Identify CBRN hazards.
 - c. Quantify CBRN hazards.
 - d. Collect CBRN samples.
 - e. Survey CBRN hazards.
 - f. Mark CBRN hazards.
 - g. Report CBRN hazards.
2. Advise the commander on CBRN Surveillance Tasks
 - a. Monitor CBRN hazards.
 - b. Observe CBRN hazards.
 - c. Detect CBRN hazards.
 - d. Identify CBRN hazards.
 - e. Quantify CBRN hazards.
 - f. Collect CBRN samples.
 - g. Report CBRN hazards.
3. Advise the commander on NBC-RV equipment capabilities and limitations:
 - a. Chemical, Biological Mass Spectrometer (CBMS II)
 - (1) Capabilities:
 - (a) Detection on the move
 - (b) Detects and ID ground liquid Chemical contamination
 - (2) Limitations:
 - (a) Does not detect vapors
 - (b) Does not detect Biological Warfare Agents (BWA)
 - b. Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD)

(1) Capabilities:

- (a) Detect out to 5 Km
- (b) Detected Vapors: Nerve and Blister
- (c) Provides 360 degree coverage
- (d) Detection on the move

(2) Limitations:

- (a) Easy to obstruct view (Line of sight)
- (b) Large number of false positives
- (c) Damage to the Glint could cause false negatives

c. Joint Biological Point Detection System (JBPDS)

(1) Capabilities:

- (a) Continuously monitors
- (b) Presumptively ID's up to 10 BWAs simultaneously
- (c) Rapidly detects

(2) Limitation:

- (a) Presumptive Identification
- (b) No Early Warning (Detect to treat)
- (c) Cannot detect on the move

d. Nuclear, Biological, Chemical Sensor Processing Group (NBCSPG).

- (1) Monitors and operates all detection equipment from one screen
- (2) Provides communication with the vehicle FBCB2
- (3) Allows the vehicle commander to operate other work stations in the platform.

4. Identify requirement for NBC-RV

a. Advantages:

- (1) Rapid detection and identification of chemical and nuclear contamination.
- (2) Crew remains in "clean" environment.

(3) Large-area coverage

b. Disadvantages:

(1) Increased false negatives

(2) Increased false positives

(3) Increased decontamination requirements

5. Recommend CBRN reconnaissance to the commander

a. Identify the purpose of CBRN reconnaissance.

(1) CBRN reconnaissance is the active contamination avoidance measure that provides commanders with information on CBRN hazards.

(2) With the knowledge of where CBRN hazards are (and where they are not), commanders can make better decisions.

b. Advise the commander on employment of NBC-RV in support of the BN/BDE mission:

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

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

(3) Assesses sites to confirm/deny the presence of CBRN materials or information.

(4) Performs hot-zone assessment for civil support operations (if properly equipped).

(5) Requires external decontamination support.

(6) Provides static biological surveillance

(7) Performs large-area, rapid CBRN assessment surveys.

(8) Provides early warning of contamination for supported units (contamination avoidance).

(9) Reports, marks, and identifies bypass routes around contaminated areas.

(10) Assesses hazards in support of site exploitation or consequence management.

c. 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: Setup: 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 Reconnaissance Tasks:			
a. Locate CBRN hazards.			
b. Identify CBRN hazards.			
c. Quantify CBRN hazards.			
d. Collect CBRN samples.			
e. Survey CBRN hazards.			
f. Mark CBRN hazards.			
g. Report CBRN hazards.			
2. Advised the commander on CBRN Surveillance Tasks			
a. Monitor CBRN hazards.			
b. Observe CBRN hazards.			
c. Detect CBRN hazards.			
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e. Quantify CBRN hazards.			
f. Collect CBRN samples.			
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3. Advised the commander on NBC-RV equipment capabilities and limitations:			
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(1) Capabilities:			
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(d) Detection on the move			
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(a) Easy to obstruct view (Line of sight)			
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(1) Capabilities:			
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(1) Monitors and operates all detection equipment from one screen			
(2) Provides communication with the vehicle FBCB2			
(3) Allows the vehicle commander to operate other work stations in the platform.			
4. Identified requirement for NBC-RV			
a. Advantages:			

(1) Rapid detection and identification of chemical and nuclear contamination.			
(2) Crew remains in "clean" environment.			
(3) Large-area coverage			
b. Disadvantages:			
(1) Increased false negatives			
(2) Increased false positives			
(3) Increased decontamination requirements			
5. Recommended CBRN reconnaissance to the commander			
a. Identified the purpose of CBRN reconnaissance.			
b. Advise the commander on employment of NBC-RV in support of the BN/BDE mission.			
c. 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 3-11.23	MULTI-SERVICE TACTICS, TECHNIQUES, AND PROCEDURES FOR WEAPONS OF MASS DESTRUCTION ELIMINATION OPERATIONS	No	No
	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
	FM 3-11.21	Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Consequence Management Operations	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 :

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