

Summary Report for Individual Task
031-503-2001
Manage a CBRN Survey at the Company Level
Status: Approved

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Condition: You're a Company CBRN NCO or CBRN Officer. Your unit has received an order from higher headquarters to conduct a CBRN Survey in order to determine the extent or boundary of contamination. Your unit's CBRN Defense Teams have been identified and trained on their respective duties. You are given Field Manual (FM) 6.0 and ATP 3-11.37 *Multi-Service Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Reconnaissance and Surveillance*; ADRP 01-02 *Terms and Military Symbols*; a written Operations Order (OPORD); clear plastic overlay sheeting; scissors; permanent overlay markers, transparent tape; 12" straight edge ruler; rubbing alcohol; paper towels; scenario cards; GTA 05-02-012 *Coordinate Scale and Protractor*; 1:50,000 scale military map. Some iterations of this task should be performed in MOPP 4.

Standard: Manages a CBRN Survey at the company level by completing all 8 Troop Leading Procedure (TLP) steps in sequence. Using the 1/3rd - 2/3rd rule to determine how much time to allot for planning and Survey Team preparations. Analyzing the Mission by considering all METT-TC Mission Variables contained in Table 10-1 of FM 6-0. Producing a Warning Order and Operations Order in the five paragraph format as prescribed in Appendix C of FM 6-0. Producing a survey map overlay that graphically depicts primary and alternate routes to and from the survey location (route, point, area); and location of staging, start, end, check, rally, and decontamination site(s). Producing an OPORD, and verbally briefs it to the Survey Team.

Special Condition: None

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: None

DANGER
None

WARNING
None

CAUTION
None

Remarks: None

Notes: None

Performance Steps

1. Receive the Mission:

a. Receive a Warning Order (WARNORD), Operations Plan (OPLAN)/Operations Order (OPORD), or Fragmentary Order (FRAGORD) from higher headquarters.

b. Alert command and key participants (Cdr, XO, 1SG, CBRN Defense Teams, Control Party Members, Supply Sergeant, Communication Sergeant, Maintenance Officer, and Armorer).

c. Perform an initial assessment of the situation and available time.

(1) Gather the needed tools (i.e. unit and higher headquarters SOP, maps, terrain products, and operational graphics).

(2) Use the 1/3rd - 2/3rd rule, and determine how much of the available time to use planning the mission (1/3), and how much time to allot to subordinate elements to conduct mission preparations (2/3).

2. Issue WARNORD:

a. Prepare WARNORD by following the five paragraph OPORD format, and WARNORD format located in Appendix C of FM 6-0.

b. Issue the WARNORD as soon as the initial assessment of the situation and available time is complete.

c. Do not delay issuing the initial WARNORD. Issue additional WARNORDs, quickly, as more information becomes available.

d. Include in WARNORD:

(1) The mission or nature of the operation.

(2) The time and place for issuing the OPORD.

(3) The elements and key personnel participating in the operation.

(4) Specific tasks not addressed by the unit standard operating procedures (SOPs).

(5) The timeline for the operation (Use the backward planning process).

3. Make a Tentative Plan:

a. Perform Mission Analysis using METT-TC format (Mission, Enemy, Terrain and weather, Troops and support available, and Civil considerations).

b. Use Table 10-1 Mission Variables in FM 6.0 when analyzing the mission.

c. Obtain S2/G2 and S3/G3 products/graphics/and information to support your planning (i.e. location of obstacles, main supply routes (MSR), terrain features, weather forecast, designated decontamination sites).

d. As necessary submit Request for Information (RFI) to higher headquarters.

e. Prepare a survey map overlay that depicts:

(1) The primary and alternate routes to and from the survey location (route, point, or area).

(2) The location of staging, start, end, check, rally, and decontamination point(s).

(3) Any other graphics necessary to give mission clarity to the Survey Team.

f. Identify essential information, for conducting the survey mission, by answering the following questions:

(1) Is the suspected contamination chemical, biological, or radiological?

(2) Is the suspected contamination in a liquid, gas, or solid form?

(3) How will the survey be conducted? Ground Mounted, Ground Dismounted, or Aerial?

(4) What location will the team survey? Route, Area, or Point?

(5) What survey technique will the team use? Bounce and bypass, Box, Course-leg, Nearside-farside, Preselected dose-rate, or Star.

(6) What elements and personnel will make up the Survey Team?

(7) What equipment and supplies (i.e. communication, detection, monitoring, sampling, marking, decontamination, protection, 1st aid) equipment and supplies are required to perform the mission?

(8) For radiological:

(a) What are the Transmission Factors (TF) of Survey Team vehicles?

(b) What is the commander's Operational Exposure Guidance (OEG).

(c) What are the Turn-back Dose and Turn-back Dose Rates?

(9) What decontamination procedure and decontaminant is required at the end of the mission?

(10) What units are providing security, decontamination, fire, medical, and aviation support?

(11) What if any unit(s) must be coordinated with for passage of lines?

(12) What security measures are required to protect the Survey Team from enemy forces? (i.e. a combat arms protection element, fire support, obscuration etc.)

(13) How, when, and what Status/CBRN reports will be communicated back to the Control Party?

(14) Where are staging, start, check, rally, end, medical aid, and decontamination point(s)?

(15) When and where will contamination markers be placed?

(16) What Individual Protective Equipment (IPE) and/or Personal Protective Equipment (PPE) is required?

4. Initiate Movement:

a. Direct the Survey Team Leader to:

(1) Assemble all vehicles, equipment, and supplies required to conduct the mission.

(2) Have team members perform pre-operation checks on vehicles and equipment.

(3) Have radio operators load (fill) radios with up-to-date communication security (COMSEC) encryption coding, and perform a communication check.

b. Once all vehicles, equipment, and supplies are acquired, have the Survey Team Leader assemble it all at the designated staging area.

5. Conduct Reconnaissance:

Note: Reconnaissance is done by leaders whenever time and circumstances allow. If time and circumstances do not allow, then as a minimum do a map reconnaissance.

a. If time and circumstances allow, have the Survey Team Leader move to a location upwind of the contaminated area that overlooks the survey location (Route, Area, Point) and make note of anything that will impact the conduct of the survey.

b. Also have the Survey Team Leader conduct a reconnaissance of the movement routes the Survey Team will use to and from the survey location (Route, Area, Point).

c. Have the Survey Team Leader report back with any observations that impact the conduct of the survey. Then adjust the plan as necessary.

6. Complete the Plan:

a. Prepare overlay.

b. Based on reconnaissance results and/or follow-on WARNORD(s) from higher, update the plan and finalize your OPORD to be briefed to the Survey Team.

c. Make final coordination with supporting, and adjacent units.

7. Issue the Order:

a. Verbally brief the OPORD to the Survey Team.

b. Supplement the OPORD brief with graphics.

8. Supervise and Refine.

a. Monitor mission preparations.

b. Refine the plan.

c. Perform Pre-Combat Checks (PCCs).

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Read the action, conditions, and standards to the Soldier. Tell the Soldier that he will be assessed on his ability to perform the task using a GO/NO GO rating system. Inform him that to receive an overall GO on the assessment, that he must receive a GO on each of the task's Performance Measures. Provide the Soldier with all items and references listed in the conditions statement. While the Soldier is performing the task provide additional

scenario, and simulated guidance as necessary for the Soldier to complete the task.

Evaluation Preparation: Gather all items in the task's conditions statement and place them on a table. Prepare a 5X8 card with a scenario on it that cues the Soldier to perform all task steps.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Received the mission and alerted command and key participants.			
2. Issued a WARNORD that was prepared using the Five-paragraph OPORD format, and utilized the METT-TC format during conduct of Mission Analysis.			
3. Made a tentative plan that identified or included the following:			
a. The type of contamination.			
b. The physical state (form) of the contamination (Liquid, gas, or solid).			
c. How the survey would be conducted (Ground Mounted, Ground Dismounted, or Aerial).			
d. The location of the survey (Route, Area, Point).			
e. The survey technique the team will use (Bounce and bypass, box, Course-leg, Nearside-farside, Preselected dose-rate, or Star).			
f. If a Radiological Survey, the Commander's OEG, and Turn-back Dose and Turn-back Dose-rates.			
g. If a Radiological Survey, the Transmission Factors (TFs) for each vehicle used by the survey team.			
h. Required IPE and/or PPE.			
i. Supporting units (decontamination, security, fire support, medical, aviation).			
j. Survey map overlay that depicts primary and alternate routes to and from the survey location, and staging, start, check, rally, end, medical aid, and decontamination point(s).			
4. Initiated movement by directing the Survey Team Leader to assemble vehicles, equipment, and supplies to conduct the mission; conduct preoperation checks on all vehicles and equipment; and fill radios with up-to-date communication security (COMSEC) encryption coding and perform a communication check.			
5. Conducted reconnaissance by directing the Survey Team Leader to reconnoiter the survey location and the routes to and from it.			
6. Completed the plan by revising it based on reconnaissance results and/or follow-on WARNORD(s) from higher; preparing a survey map overlay; and making final coordination with supporting, and adjacent units; and producing an OPORD.			
7. Issued the OPORD by verbally briefing it to the Survey Team; and, supplementing the OPORD brief with graphics.			
8. Supervised and refined the survey mission by monitoring mission preparations, and performing PCC.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ADRP 1-02	Terms and Military Symbols	Yes	Yes
	ATP 3-11.37	Multi-Service Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Reconnaissance and Surveillance	Yes	Yes
	FM 6-0	COMMANDER AND STAFF ORGANIZATION AND OPERATIONS	Yes	Yes

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. **WARNING:** Identify and prevent hazardous materials from contaminating the environment (streams, lakes, ponds, wetlands, animal habitats, historical and archeological sites), and plan to prevent noise and air pollution. Dispose of all hazardous materials (batteries, bio-medical, cleaning/vehicle fluids, decontaminants, etc.) and/or solid waste IAW unit SOP, guidance from higher headquarters (AR 200-series), Department of Defense, Environmental

Protection Agency, and executive orders (example: EO 12088, Federal Compliance with Pollution Control Standards).

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. Hazards associated with the equipment training and warning signs published in the required and related references (WARNING, CAUTION, and NOTE) must be reviewed before conducting demonstration and hands-on training for this equipment.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 74D - CBRN Specialist - SL2	Enlisted	MOS: 74D, Skill Level: SL2
74A, CBRN Officer BOLC - Version 13	Officer	AOC: 74A, Rank: 1LT