

Training and Evaluation Outline Report

Status: Approved

06 Aug 2021

Effective Date: 06 Aug 2021

Task Number: 05-CO-7503

Task Title: Implement Unit Hazardous Materials Management

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

Destruction Notice: None

Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the Fort Leonard Wood, MSCoE foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary	Source Information
	AR 700-141	Hazardous Materials Information Resource System	Yes	No	
	AR 702-18	DEPARTMENT OF DEFENSE (DOD) SHELF LIFE MATERIEL QUALITY CONTROL STORAGE STANDARDS	Yes	No	
	ATP 3-34.5	Environmental Considerations	Yes	No	
	ATP 3-35	Army Deployment and Redeployment	Yes	No	
	NFPA	National Fire Protection Association, Fire Protection Guide on Hazardous Materials, Eighth Edition	Yes	No	
	NIOSH 2010-168	NIOSH Pocket Guide to Chemical Hazards, Sep 2010	Yes	No	
	OSHA 29CFR-1910.1200	Hazard Communication; OSHA Regulation (Standards-29CFR), part 1910.1200	Yes	No	
	TM 38-410	STORAGE AND HANDLING OF HAZARDOUS MATERIALS {DLAM 4145.11; NAVSUP PUB 573; AFR 69-9; MCO 4450-12}	Yes	Yes	
	UFC 4-442-01N	Unified Facilities Criteria (UFC) Design: Covered Storage	Yes	No	

Conditions: The element is directed to implement unit hazardous materials management. The unit Standing Operating Procedures (SOP), Operation Order (OPORD) and other necessary references are available. All necessary equipment and personnel assigned by Table of Organization and Equipment (TOE) are available.

Note: The Commander must still determine at what level of training they would want the element to perform. Crawl, walk or run. This can only be determined after consideration as to the units training level.

The Commander prior to evaluating an element in the conduct of the task must determine if it will be conducted in a Live, Virtual, or Constructive environment, additionally it must also be determined which condition as described below that the element will conduct the task. The selection made for this task is at a trained level of proficiency. The commander must determine which of the environments below will best suit the unit and the proficiency level at which the unit is. When conducting crawl or walk level training units should not increase the intensity until the unit has achieved the standards and then unit trainers should include variables that increase proficiency in all conditions.

Note: The condition statement for this task is written assuming the highest training conditions reflected on the Task Proficiency matrix required for the evaluated unit to receive a "fully trained" (T) rating.

Note: Condition terms definitions:

Dynamic Operational Environment: Three or more operational and two or more mission variables change during the execution of the assessed task. Operational variables and threat Tactics, Techniques, and Procedures (TTPs) for assigned counter-tasks change in response to the execution of Blue Forces (BLUFOR) tasks.

Complex Operational Environment: Changes to four or more operational variables impact the chosen friendly COA/mission. Brigade and higher units

require all eight operational variables of Political, Military, Economic, Social, Infrastructure, Information, Physical environment, and Time (PMESII-PT) to be replicated in varying degrees based on the task being trained.

Single threat: Regular, irregular, criminal or terrorist forces are present.

Hybrid threat: Diverse and dynamic combination of regular forces, irregular forces, and/or criminal elements all unified to achieve mutually benefiting effects.

This task should not be trained in MOPP 4.

Standards: The element implements unit hazardous materials management In Accordance With (IAW) the SOP, OPORD, and federal, state, local and Army regulations. The element utilizes the DLA Shelf-life Program, the components of a Hazard Communication Program and hazardous materials transportation requirements when hazardous materials are present, stored or bring used in the elements area of responsibility.

Note: Leaders are defined as the Commander, Executive Officer, First Sergeant, Operations Sergeant, Platoon Leaders, Platoon Sergeants, Squad Leaders, and Team Leaders.

Live Fire: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare		Execute					Assess		
Operational Environment	Training Environment (L/V/C)	Leaders Present at Training/Required	Present at Training/Required	External Eval	Performance Measures	Critical Performance Measures	Leader Performance Measures	Evaluator's Observed Task Proficiency Rating	Commander's Assessment
CO & BN									
Dynamic and Complex (4+ OE Variables and Hybrid Threat)	Night	IAW unit CATS statement.	>=85%	>=80%	Yes	>=91%	>=90%	T	T
	Day		>=85%	>=80%	No	>=91%	>=90%	T-	T-
Dynamic (Single Threat)			65-74%	75-79%		65-79%	80-89%	P	P
Static (Single Threat)			<=59%	<=59%	<=50%	<=79%	P-	P-	
						<All		U	U

Remarks: None

Notes: None.

Safety Risk: Low

Task Statements

Cue: Hazardous materials are used and/or stored in the unit area. Improper management of hazardous materials can lead to leaks, spills, the interaction of incompatible materials and, thereby, fire, explosion, toxic fumes, etc.

DANGER

Leaders have an inherent responsibility to conduct Risk Management to ensure the safety of all Soldiers and promote mission accomplishment.

WARNING

Improper management of hazardous materials can lead to leaks, spills, and the interaction of incompatible materials. Leaks and spills have the potential to contaminate the environment and get into the ground water. The interaction of incompatible materials could lead to fire, explosions, the release of toxic fumes and gasses. Preventing hazardous materials from being released into the environment will protect the health and well-being of Soldiers and civilians in the vicinity, as well as protecting the environment from damage.

Risk management is the Army's primary decision-making process to identify hazards, reduce risk, and prevent both accidental and tactical loss. All Soldiers have the responsibility to learn and understand the risks associated with this task.

CAUTION

Identifying hazards and controlling risks across the full spectrum of Army functions, operations and activities is the responsibility of all Soldiers.

Performance Steps and Measures

NOTE: Assess task proficiency using the task evaluation criteria matrix.

NOTE: Asterisks (*) indicate leader steps; plus signs (+) indicate critical steps.

STEP/MEASURE

- + 1. The unit identifies hazardous materials management techniques.
 - a. Demonstrates the ability to identify hazardous materials.
 - + b. Identifies hazardous materials storage requirements.
 - c. Identifies deployment and redeployment requirements.
- + 2. The unit identifies the procedures for managing hazardous materials using the DLA Shelf-Life Program
 - a. Demonstrates an understanding of the shelf-life program requirements.
 - b. Completes a shelf-life extension example.
- + 3. The unit identifies the components of Hazard Communication (HAZCOM).
 - + a. Demonstrates an understanding of the HAZCOM program requirements.
 - + b. Demonstrates an understanding of how to obtain information from material safety data sheets.
- + 4. The unit identifies hazardous materials transportation requirements.
 - + a. Demonstrates an understanding of unit transportation responsibilities.
 - + b. Demonstrates an understanding of hazardous materials regulations and the required training.
 - c. Demonstrates an understanding of the necessary preparations for shipping hazardous materials.
 - + d. Demonstrates an understanding of hazardous materials movement requirements.

GO	NO-GO	N/A

Task Performance Summary Block										
Training Unit			ITERATION							
			1	2	3	4				
Date of Training per Iteration:										
Day or Night Training:			Day / Night		Day / Night		Day / Night		Day / Night	
			#	%	#	%	#	%	#	%
Total Leaders Authorized		% Leaders Present								
Total Soldiers Authorized		% Soldiers Present								
Total Number of Performance Measures		% Performance Measures 'GO'								
Total Number of Critical Performance Measures		% Critical Performance Measures 'GO'								
Live Fire, Total Number of Critical Performance Measures		% Critical Performance Measures 'GO'								
Total Number of Leader Performance Measures		% Leader Performance Measures 'GO'								
MOPP LEVEL										
Evaluated Rating per Iteration T, T-, P, P-, U										

Mission(s) supported: None

MOPP 4: Never

MOPP 4 Statement: None

NVG: Never

NVG Statement: This task should not be trained in NVG.

Prerequisite Collective Task(s): None

Supporting Collective Task(s):

Step Number	Task Number	Title	Proponent	Status
1.	05-CO-7501	Develop an Integrated Waste Management Plan	05 - Engineers (Collective)	Approved
1.	05-CO-7500	Establish a Unit Hazardous Waste Accumulation Point	05 - Engineers (Collective)	Approved
1.	05-CO-7502	React to a Hazardous Spill	05 - Engineers (Collective)	Approved

OPFOR Task(s):

Task Number	Title	Status
71-CO-8502	OPFOR Execute an Ambush	Approved
71-CO-8504	OPFOR Execute a Reconnaissance Attack	Approved

Supporting Individual Task(s):

Step Number	Task Number	Title	Proponent	Status
	031-510-1002	Determine Decontaminant for Hazardous Materials	031 - CBRN (Individual)	Approved
	052-250-1005	Comply with Environmental Legal Requirements	052 - Engineer (Individual)	Approved
	091-89D-1229	Transport Hazardous Materials	091 - Ordnance (Individual)	Approved
	091-89D-1231	Store Hazardous Materials	091 - Ordnance (Individual)	Approved
	551-88M-4325	Establish Transportation Safety Program	551 - Transportation (Individual)	Approved
	551-88N-3012	Coordinate Hazardous Materials/Munitions Shipments	551 - Transportation (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

Task ID	Title
ART 4.1.7.1.3	Provide Waste Management
ART 5.5.4	Develop a Command Environmental Program
ART 6.6.4	Conduct Actions to Control Pollution and Hazardous Materials

TADSS

TADSS ID	Title	Product Type	Quantity
No TADSS specified			

Equipment (LIN)

LIN	Nomenclature	Qty
No equipment specified		

Materiel Items (NSN)

NSN	LIN	Title	Qty
No materiel items specified			

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 the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card. .

Safety: In a training environment, leaders must perform a risk assessment in accordance with current Risk Management Doctrine. 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 current CBRN doctrine. Safety considerations are low in the classroom. During the process of using, handling and storing hazardous materials proper personal protective equipment will be used and appropriate safety precautions will be taken.