Training and Evaluation Outline Report

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Task Number: 05-CO-7503

Task Title: Implement Unit Hazardous Materials Management

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Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 700-141	Hazardous Materials Information Resource System, "Http://Www.Apd.Army.Mil/Pdffiles/R700_141.Pdf "	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	Yes
	ATP 3-35	Army Deployment and Redeployment	Yes	No
	CFR 49	Title 49-Transportation	Yes	No
	DOD 4140.27-M	Shelf Life Item Management Manual	Yes	No
	ERG2008	Department of Transportation Emergency Response Guidebook.	No	No
	NFPA	National Fire Protection Association, Fire Protection Guide on Hazardous Materials, Eighth Edition	No	No
	NIOSH 2010-168	NIOSH Pocket Guide to Chemical Hazards, Sep 2010	No	No
	OSHA 29CFR-1910.1200	Hazard Communication; OSHA Regulation (Standards-29CFR), part 1910.1200	Yes	No
	TC 3-34.489	The Soldier and the Environment.	No	No
	TG 217	Technical Guide 217, Hazardous Material/Hazardous Waste Management Guidance for Maneuver Units During Fieald and Deployment Operations	No	No
	UFC 4-442-01N	Unified Facilities Criteria (UFC) Design: Covered Storage	Yes	No

Conditions: Given the presence of hazardous materialswithin the unit area, implementa unit hazardous materials management program.The necessary references areavailable. Hazardous materials management is also required during a deployment.

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: Unit personnel will implement hazardous materials management techniques, the procedures for managing hazardous materials using the DLAShelf-LifeProgram, the components of a Hazard Communication Program, and hazardous materials transportation requirements according to federal, state, local and Army regulations when hazardous materials are present, stored or being used in the unit 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 Required: No

Objective Task Evaluation Criteria Matrix:

Plan and Prepare			Execute						Assess
Operational Environment		Training Environment (L/V/C)	% of Leaders Present at Training/Authorized	% of Soldiers Present at	External Eval	% Performance Measures 'GO'	% Critical Performance Measures 'GO'	% Leader Performance Measures 'GO'	Task Assessment
CO & BN									
Dynamic and Complex (4+ OE Variables and Hybrid Threat)	Night	IAW unit CATS statement.	>=85%	>=80%	Yes	>=91%	All	>=90%	**T**
			75-84%			80-90%		80-89%	**T-**
Dynamic (Single Threat)			65-74%	75-79%	No	65-79%			**P**
	Day		60-64%	60-74%		51-64%	<All	<=79%	**P-**
Static (Single Threat)			<=59%	<=59%		<=50%			**U**

Remarks: All references not available through APD should be available electronically via the internet or the library. The NIOSH Pocket Guide, the Emergency Response Guide, the Fire Protection Guide on Hazarous Materials and other non-military specific resources need to be discussed for general awareness but are not required to be on hand to accomplish this training. The Code of Federal Regulations are all electronically available for access.

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 mangement 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 portect 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	GO	NO-GO	N/A
+ 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.			

TASK PERFORMANCE / EVALUATION SUMMARY BLOCK							
ITERATION	1	2	3	4	5	M	TOTAL
TOTAL PERFORMANCE MEASURES EVALUATED							
TOTAL PERFORMANCE MEASURES GO							
TRAINING STATUS GO/NO-GO							

ITERATION: **1 2 3 4 5 M**

COMMANDER/LEADER ASSESSMENT: **T 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
	05-CO-7501	Develop an Integrated Waste Management Plan	05 - Engineers (Collective)	Approved
	05-CO-7502	React to a Hazardous Spill	05 - Engineers (Collective)	Approved
	71-CO-5100	Conduct Troop Leading Procedures for Companies	71 - Combined Arms (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 Host Nation, Federal, State, and Local Environmental Laws and Regulations	052 - Engineer (Individual)	Approved
	052-717-9101	Evaluate The Impact Of Army Operations On The Environment	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-3121	Coordinate Hazardous Materials/Munitions Shipments	551 - Transportation (Individual)	Approved

Supporting Drill(s): None

Supported AUTL/UJTL Task(s):

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

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 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. 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.