

Report Date: 25 Jun 2014

Summary Report for Individual Task
551-88k-2505
Conduct Hazardous Cargo Operations Onboard a Class B Vessel
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 Fort Lee, VA foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

Condition: Assigned as a Coxswain onboard a Class B vessel, given an Operation Order/Operations Plan (OPORD/OPLAN), a complete risk assessment, a cheater bar, work gloves, adjustable cable sets or wire rope, wire rope accessories, hand tools, lashing equipment, nets, tarpaulins, quick release lashings, chains, hooks, turnbuckles, a wrench, AR 56-9, CFR 49, IMDG Code, TC 4-13.17, TC 4-15.51, and a vessel crew, day or night, in any weather condition, in an operational environment scenario. Some iterations of this task should be performed in MOPP 4.

Standard: Conduct loading operations of hazardous cargo using all necessary equipment and materials IAW references without injury to personnel or damage to equipment.

Special Condition: None

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: Given an OPORD/OPLAN to conduct hazardous cargo operations onboard a Class B vessel.

DANGER

None

WARNING

DO NOT ACCEPT ANY CARGO OR DRUMS THAT ARE LEAKING.

CAUTION

None

Remarks: Ensure you fly the proper flag while taking on or discharging hazardous cargo.

Notes: Ensure the vessel is equipped with the required equipment to perform this task.

Performance Steps

1. Plan the loading operation.
 - a. Obtain the cargo manifest to determine the placement of the hazardous cargo.
 - b. Identify the working conditions.
 - c. Perform a risk assessment.
 - d. Identify potential hazards to which operating personnel are exposed.
2. Ensure crewmembers are wearing proper uniforms.
 - a. Gloves
 - b. Hard hat
 - c. Boots
 - d. All safety gear required for the operation.
3. Ensure crewmembers obtain all necessary materials.
4. Direct crewmembers to lay out materials.
 - a. Ensure sufficient dunnage has been properly placed to prevent damage to vessel or equipment.
 - b. Ensure sufficient tie-downs or lashing gear is on-hand.
5. Direct crewmembers in loading procedures and correct placement of hazardous cargo.
 - a. Ensure hazardous cargo is in a safe and stable position according to instructions on the placard.
 - b. Direct crewmembers to secure hazardous cargo.
 - c. Ensure the hazardous cargo is secured for any type weather.
 - d. Evaluate performance of crewmembers.
6. Enforce safety procedures for movement of cargo without injury to personnel or damage to equipment.
 - a. Raise the Bravo flag.
 - b. Prohibit smoking on all weather decks during operation of handling explosive cargo.
 - c. Ensure any open flame is safeguarded at all times.
 - d. Check that fire extinguishers are within operating area.
 - e. Instruct all personnel in use of fire fighting equipment and safety rules governing handling and movement of dangerous or hazardous cargo.

- f. Sound emergency signal in case of fire.
- g. Check alarm switches to ensure they are in working order.
- h. Check all dangerous and hazardous cargo to be loaded is compatible.
- i. Check that cargo is free of debris and is dry.
- j. Check that proper signs are visible.

7. Evaluate performance of crewmembers.

(Asterisks indicates a leader performance step.)

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

Evaluation Preparation: Ensure that all information, references and equipment required to perform the task are available. Use the TC and the Evaluation Guide to score the Soldier's performance. Brief the Soldier. Tell the Soldier what is required IAW the task condition and standard.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Planned the loading operation.			
2. Ensured crewmembers were wearing proper uniforms.			
3. Ensured crewmembers obtained all necessary materials.			
4. Directed crewmembers to lay out materials.			
5. Directed crewmembers in loading procedures and correct placement of hazardous cargo.			
6. Enforced safety procedures for movement of cargo without injury to personnel or damage to equipment			
7. Evaluated performance of crewmembers.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 56-9	Watercraft	Yes	No
	CFR 49 SUBCHAPTER B	Hazardous Materials and Transportation Safety. September 1985.	Yes	Yes
	IMDG CODE	International Maritime Dangerous Goods Code	No	No
	TC 4-13.17	Cargo Specialist's Handbook	No	No
	TC 4-15.51	Marine Crewman's Handbook	Yes	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.

AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste.

Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take. Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure the following environmental programs are in place and are being maintained:

- Hazardous materials program.-Hazardous waste program.
- Hazardous communications program.
- Pollution prevention and hazardous waste minimization recycling program.
- Spill prevention and response plan program.

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.

All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard.

Accidents are an unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- (a) Take personal responsibility.
- (b) Practice safe operations.
- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-1504	Perform Vessel Pre-Sail Requirements	551 - Transportation (Individual)	Approved
551-88K-1501	Perform Cargo Stowage Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-1502	Identify Hazardous Cargo Onboard a Vessel	551 - Transportation (Individual)	Approved

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-1508	Conduct Vessel Operations	55 - Transportation (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88K Watercraft Operator-SL2	Enlisted	MOS: 88K, Skill Level: SL2, Duty Pos: TCF