

Summary Report for Individual Task
551-88K-3504
Monitor Hazardous Cargo Operations Onboard a Vessel
Status: Approved

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

Destruction Notice: None

Foreign Disclosure: FD1 - The materials contained in this course have been reviewed by the course developers in coordination with the Fort Lee foreign disclosure authority. This course is releasable to students from all requesting foreign countries without restrictions.

Condition: As a boatswain assigned to a vessel given: completed risk assessment, vessel, crew, TC 4-15.51, FM 4-01.502, COMDTINST_M16672_2D, DA 4640, Personal Protective Equipment (PPE), Flags, tie-downs sets, cheater pipe or bar, adjustable cable sets, wire rope, wire rope accessories, dunnage, lashing equipment, nets, tarpaulins, quick release lashings, chains, hooks, turnbuckles, and an adjustable wrench, day or night in all weather conditions in an operational environment. Some iterations of this task should be performed in MOPP 4.

Standard: When required, monitor hazardous cargo stowage operations, to ensure a safe operation in which cargo is stowed safely in accordance with vessel-masters load plan, Code of Federal Regulations 49, and any other applicable regulations.e federal regulations, direct placement of cargo, and ensure cargo is secured for any type of weather.

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. Plan the loading operation to ensure the following areas are addressed:
 - a. Working conditions
 - b. Potential hazards to which operating personnel are exposed.
 - c. Accident prevention measures are applied.
 - d. Objective is clear and understood.
 - e. Emergency procedures and plans are identified and briefed.
 - f. Potential courses of action for dangerous situations.
 - g. Safety inspections and briefings.
2. Monitor to ensure crewmembers are wearing proper uniforms including PPE.
 - a. Gloves
 - b. Hard hat
 - c. Boots
 - d. All safety gear required for the operation
3. Direct crewmembers to obtain necessary materials.
 - a. Parts to played by each crewmember.
 - b. Ensure that each crewmember understand their assignment.
4. Monitor to ensure directed crewmembers properly lay out required materials.
 - a. Ensures sufficient dunnage has been properly placed to prevent damage to vessel or equipment.
 - b. Ensures sufficient tie-downs or lashing gear is on-hand.
5. Direct crewmembers in loading procedures and correct placement of hazardous cargo.
 - a. Ensures hazardous cargo is in a safe and stable position.
 - b. Directs crewmembers to secure hazardous cargo.
 - c. Ensures the hazardous cargo is secured for any type weather.
6. Monitor to ensure safety procedures followed for movement and stowage of cargo without injury to personnel or damage to equipment.
7. Inform First Mate or Vessel Master upon completion

(Asterisks indicates a leader performance step.)

Evaluation Guidance: None

Evaluation Preparation: Ensure that all information, references and equipment required to perform the task are available. Use the FM and the evaluation guide to score the soldier's performance. Brief the soldier. Tell the soldier what he/she is required to do IAW the task conditions and standards.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Planned the loading operation to ensure the following areas are addressed:			
a. Working conditions			
b. Potential hazards to which operating personnel are exposed.			
c. Accident prevention measures are applied.			
d. Objective is clear and understood			
e. Emergency procedures and plans are identified and briefed			
f. Potential courses of action for dangerous situations			
g. Safety inspections and briefings.			
2. Monitor to ensure crewmembers are wearing proper uniforms to include PPE.			
a. Gloves			
b. Hard Hat			
c. Boots			
d. Any other safety equipment for the operation			
3. Directs crewmembers to obtain necessary materials.			
a. Parts to played by each crewmember			
b. Ensure that each crewmember understand their assignment.			
4. Monitored to ensure directed crewmembers properly layed out required materials.			
a. Ensured sufficient dunnage was properly placed to prevent damage to vessel or equipment.			
b. Ensured sufficient tie-downs or lashing gear was on-hand.			
5. Directed crewmembers in loading procedures and correct placement of hazardous cargo.			
a. Ensured hazardous cargo was in a safe and stable position.			
b. Directed crewmembers to secure hazardous cargo.			
c. Ensured the hazardous cargo was secured for any type weather.			
6. Monitored to ensure safety procedures were followed for movement and stowage of cargo without injury to personnel or damage to equipment.			
7. Informed First Mate or Vessel Master upon completion			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATTP 4-15	Army Water Transport Operations	No	No
	CFR 49 SUBCHAPTER B	Hazardous Materials and Transportation Safety. September 1985.	Yes	No
	FM 55-17	(Superseded) CARGO SPECIALISTS` HANDBOOK	No	No
	TC 4-15.51	Marine Crewman's Handbook	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. Environmental Statement: 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 05-08-02 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. 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.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-2505	Conduct Hazardous Cargo Operations Onboard a Class-B Vessel	551 - Transportation (Individual)	Approved
551-88K-2503	Conduct Cargo Storage Operations Onboard a Class B Vessel	551 - Transportation (Individual)	Approved
551-88K-4504	Conduct Hazardous Cargo Operations Onboard a Vessel	551 - Transportation (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-2505	Conduct Hazardous Cargo Operations Onboard a Class-B Vessel	551 - Transportation (Individual)	Approved
551-88K-2503	Conduct Cargo Storage Operations Onboard a Class B Vessel	551 - Transportation (Individual)	Approved
551-88K-3513	Monitor Vessel Preservation	551 - Transportation (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-0049	Provide Vessel Support for Offshore Cargo Operations	55 - Transportation (Collective)	Approved
55-2-0046	Conduct Firefighting Operations	55 - Transportation (Collective)	Approved
55-2-0041	Transport Bulk Petroleum	55 - Transportation (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88K Watercraft Operator SL3	Enlisted	MOS: 88K, Skill Level: SL3, Duty Pos: TAV
MOS 88K Watercraft Operator SL 4	Enlisted	MOS: 88K, Skill Level: SL4, Duty Pos: TFJ