

Report Date: 14 Apr 2014

**Summary Report for Individual Task
551-88K-4508
Conduct Harbor Tug Operations Onboard a Vessel
Status: Approved**

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DESTRUCTION NOTICE: None

Condition: Assigned as a Small Tug Master aboard a US Army harbor tug, given a completed risk assessment, an Operational Plan/ Operations Order (OPLAN/OPORDER), a vessel in port or at sea, all applicable publications, forms, records, tools, materials, personnel, and equipment in all weather conditions, day or night and all MOPP levels in an Operational Environment (OE) scenario. Some iterations of this task should be performed in MOPP 4.

Standard: Conduct harbor tug operations IAW with Local and vessel SOP without any damage to the equipment or injury to the crew.

Special Condition: None

Safety Level: Low

MOPP: Sometimes

Task Statements

Cue: Given an OPORDER/OPLAN to conduct harbor tug operations onboard a vessel.

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: None

Performance Steps

1. Ensure crewmembers perform presail checks prior to getting underway.
 - a. Check communication equipment.
 - b. Check the navigational, deck, search, and special working lights.
 - c. Check all navigational compasses.
 - d. Check tug whistle.
 - e. Check firefighting and emergency equipment.
 - f. Check deck equipment.
 - g. Check lines are properly stowed.
 - h. Report anything deemed unsafe during presail inspection to the vessel master.
 - i. Record deficiencies on DA Form 2404.
2. Ensure crewmembers prepare the vessel for hip tow.
 - a. Inspect towing lines.
 - b. Secure spring line on tow.
 - c. Secure bow line on tow.
 - d. Secure stern line on tow.
3. Ensure crewmembers prepare vessel for push tow.
 - a. Inspect towing gear.
 - b. Secure starboard safety line.
 - c. Secure port safety line.
 - d. Attach port pusher cable to bitts on tow.
 - e. Attach starboard pusher cable to bitts on tow.
4. Monitor tow while moving.
5. Ensure tow is secured to new location.
6. Ensure crewmembers clear lines from tow.

(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. Ensured crewmembers performed presail checks prior to getting underway.			
2. Ensured crewmembers prepared the vessel for hip tow.			
3. Ensured the crewmembers prepared the vessel for push tow.			
4. Monitored tow while moving.			
5. Ensured tow was secured to new location.			
6. Ensured crewmembers cleared lines from tow.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 56-9	Watercraft	Yes	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 FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET 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.

- Know where the fire axe is located.
- Towlines should never be made fast on the capstan or a cathead.
- Always face your work.
- Never step over a line laying on the deck. Either lift it up and walk under it, or step on top of it and cross over.
- Never straddle or step in the bight of a line.
- When towlines are coming under or are under a strain, work fast.
- When surging or slacking off on a line that is under strain, keep your hands clear of the bits.
- When securing these towlines, never secure the lines so that it cannot be thrown off quickly and easily.

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-1510	Prepare a Vessel for Harbor Tug Operations	551 - Transportation (Individual)	Approved
551-88K-2510	Perform Harbor Tug Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3508	Monitor Harbor Tug Operations Onboard a Vessel	551 - Transportation (Individual)	Approved

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-880-9025	RIG A HIP TOW ON AN OCEAN GOING TUG	551 - Transportation (Individual)	Approved
551-880-9026	RIG TOW USING MORE THAN ONE TUGBOAT	551 - Transportation (Individual)	Approved

Supported Individual Tasks : None

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-1508	Conduct Vessel Operations	55 - Transportation (Collective)	Approved
55-5-0016	Direct Vessel Operations	55 - Transportation (Collective)	Approved

ICTL Data :

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