

**Report Date:** 25 Jun 2014

**Summary Report for Individual Task  
551-88K-3508  
Monitor Harbor Tug Operations Onboard a Vessel**

**Status: Approved**

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**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 an Army Tug, given: completed risk assessment, vessel, crew, TC 4-15.51, FM 4-01.502, COMDTINST\_M16672\_2D, DA 4640, Personal Protective Equipment (PPE) towing lines, towing cables, shackles, and seizing wire, chafing gear, 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 you will monitor the crew to ensure safe harbor towing operations moving your tow from and to required location.

You are required to perform harbor tug operations IAW with Local and the vessel SOP, and without any damage to the equipments or the crew.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:** Sometimes

<b>Task Statements</b>
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**Cue:** None

<b>DANGER</b>
None

<b>WARNING</b>
None

<b>CAUTION</b>
None

**Remarks:** None

**Notes:** None

### Performance Steps

1. Monitor crew to ensure presail checks are completed to allow vessel to get underway with minimal notice
2. Monitor preparation of vessel for hip tow by completing the following:
  - a. Inspect towing lines.
  - b. Directs placing spring line on barge.
  - c. Directs securing spring line.
  - d. Directs placing bow line on barge.
  - e. Signals master to go ahead on slow bell
  - f. Directs securing of bow line.
  - g. Directs placement of stern line on barge
  - h. Directs securing of stern line
3. Monitor preparation of vessel for push tow by completing the following:
  - a. Inspects towing gear.
  - b. Signals master to put tug against center of the stern of the barge
  - c. Instructs personnel to secure starboard safety line
  - d. Instructs personnel to secure port safety line.
  - e. Instructs personnel to attach port pusher cable to port bitts on barge.
  - f. Instructs personnel to attach starboard pusher cable to starboard bitts on barge
  - g. Instructs personnel to lead pusher cables to quarter bitts on barge
  - h. Instructs personnel to secure pusher cables to steamboat ratchets and tighten them simultaneously
4. Monitor tow while being moved
5. Monitor securing of tow to its new location
6. Monitor casting off of lines from tow

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the soldier GO if all steps are passed (P). Score the soldier NO-GO if any steps 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 FM and the evaluation guide to score the soldier's performance. Brief the soldier. Tell the soldier what

he is required to do IAW the task conditions and standards.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Monitored crew to ensure presail checks were completed to allow vessel to get underway with minimal notice			
2. Monitored the preparation of vessel for hip tow by ensuring the completion of the following:			
a. Inspect towing lines.			
b. Directs placing spring line on barge			
c. Directs securing spring line.			
d. Directs placing bow line on barge			
e. Signals master to go ahead on slow bell			
f. Directs securing of bow line			
g. Directs placement of stern line on barge			
h. Directs securing of stern line			
3. Monitored the preparation of vessel for push tow by ensuring the completion of the following:			
a. Inspects towing gear			
b. Signals master to put tug against center of the stern of the barge			
c. Instructs personnel to secure starboard safety line			
d. Instructs personnel to secure port safety line			
e. Instructs personnel to attach port pusher cable to port bitts on barge			
f. Instructs personnel to attach starboard pusher cable to starboard bitts on barge			
g. Instructs personnel to lead pusher cables to quarter bitts on barge			
h. Instructs personnel to secure pusher cables to steamboat ratchets and tighten them simultaneously			
4. Monitored tow while being moved			
5. Monitored securing of tow to its new location			
6. Monitored casting off of lines from tow			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	AR 56-9	Watercraft	Yes	No
	FM 4-01.502	ARMY WATERCRAFT SAFETY	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.

**Prerequisite Individual Tasks :**

Task Number	Title	Proponent	Status
551-88K-2504	Conduct Operation of Deck Equipment Onboard a Class B Vessel	551 - Transportation (Individual)	Approved
551-88K-2510	Perform Harbor Tug Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-2506	Conduct Vessel Pre-Sail Requirements Onboard a Class B Vessel	551 - Transportation (Individual)	Approved
551-88K-2509	Perform Inland Towing Operations Onboard a Vessel	551 - Transportation (Individual)	Obsolete

**Supporting Individual Tasks :**

Task Number	Title	Proponent	Status
551-88K-2201	Maintain Vessel Log Onboard a Class B Vessel	551 - Transportation (Individual)	Approved
551-88K-2515	Conduct Watch Standing Procedures Onboard a Class B Vessel	551 - Transportation (Individual)	Approved
551-88K-2703	Conduct Tactical Operations Radios Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-2702	Perform Visual Communication Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-2512	Perform Rescue Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-2506	Conduct Vessel Pre-Sail Requirements Onboard a Class B Vessel	551 - Transportation (Individual)	Approved
551-88K-2704	Conduct Bridge-to-Bridge (VHF) Radio Operations Onboard a Class B Vessel	551 - Transportation (Individual)	Approved
551-88K-2701	Observe Weather Conditions Onboard a Vessel	551 - Transportation (Individual)	Approved

**Supported Individual Tasks :**

Task Number	Title	Proponent	Status
551-88K-4721	Develop a Voyage Plan Onboard a Vessel	551 - Transportation (Individual)	Approved

**Supported Collective Tasks :**

Task Number	Title	Proponent	Status
55-2-0058	Discharge Containers and Cargo at a Fix Port using a Barge Derrick	55 - Transportation (Collective)	Approved
55-2-0042	Plan Vessel Towing Operations.	55 - Transportation (Collective)	Approved
55-2-0039	Conduct Towing 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
MOS 88K Watercraft Operator SL3	Enlisted	MOS: 88K, Skill Level: SL3, Duty Pos: TAV