

Report Date: 25 Jun 2014

Summary Report for Individual Task  
551-88K-2511  
Perform Ocean Towing Operations Onboard a Vessel  
Status: Approved

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

**Destruction Notice:** None

**Foreign Disclosure: FD6** - 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 foreign countries on a case-by-case basis.

**Condition:** Assigned as a Coxswain onboard a Class B vessel, given a completed risk assessment, TC 4-15.51, FM 4-01.502, COMDTINST\_M16672\_2C, DA 4640, Personal Protective Equipment (PPE), towing lines, towing cables, shackles, seizing wire, and 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:** Perform ocean towing operations ensuring safe voyage to destination without injury to personnel or damage to vessel or equipment IAW TC 4-15.51.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:** Sometimes

<b>Task Statements</b>
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**Cue:** Given an OPORD/OPLAN to perform ocean towing operations onboard a vessel.

**DANGER**

None

**WARNING**

None

**CAUTION**

None

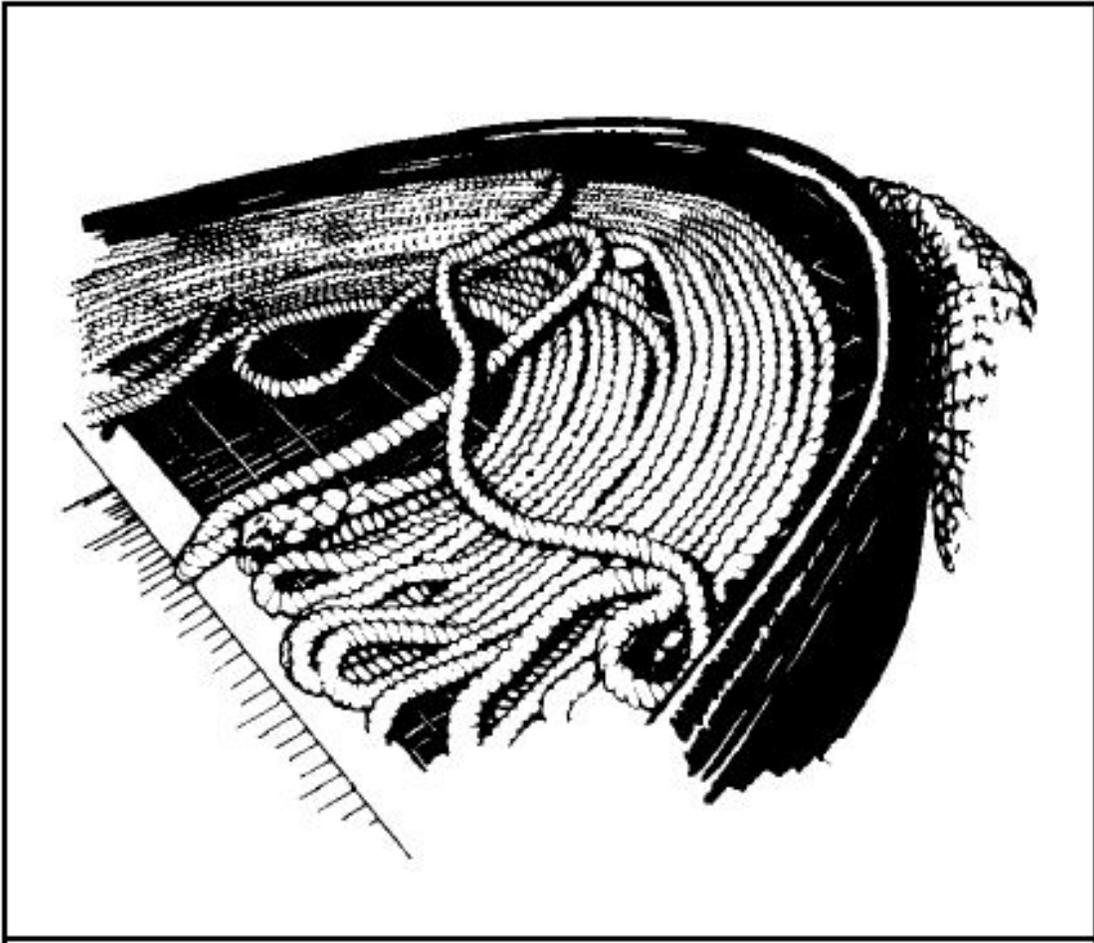
**Remarks:** None

**Notes:** None

## Performance Steps

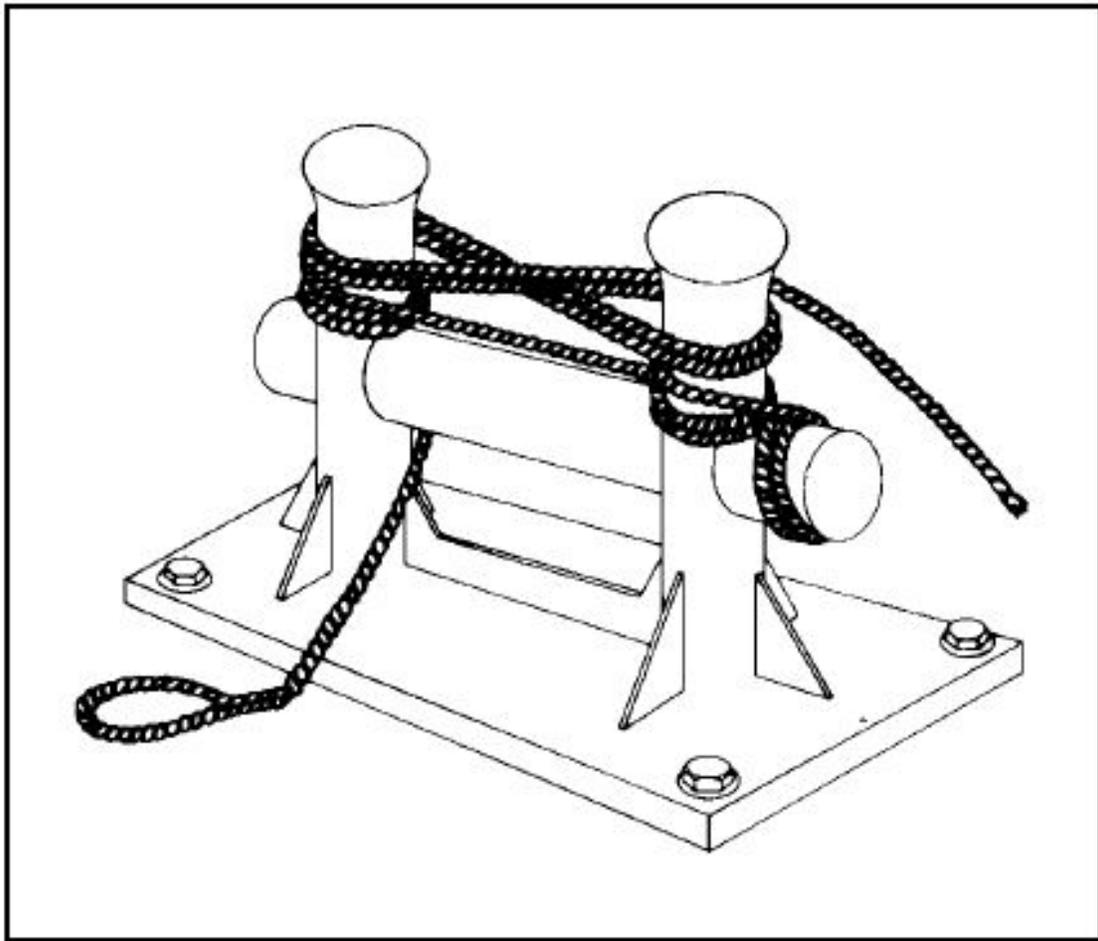
1. Prepare vessel for ocean towing operations.
  - a. Ensure all towing gear is readily available.
  - b. Inspect towing gear.
  - c. Ensure the towing hawser is faked out on the stern of the vessel.
  - d. Ensure small stuff is available to secure the line.
  - e. Insure chafing gear is readily available.
  - f. Inspect towing lines.
  - g. Inspect spring line.
  - h. Inspect bow line.
  - i. Inspect stern line.
  - j. Inspect starboard safety line.
  - k. Inspect port safety line.
2. Perform stern tow operation.
  - a. Ensure the hawser is faked out on stern of the vessel to prevent fouling.
  - b. Let the hawser pay out.

Note: See figure 1



c. When you get close to the point where you are going to secure the tow, take a full round turn and cross the line back onto itself.

Note: See figure 2



d. Take two or three additional round turns before you figure eight the line on the bits.

Note: See figure 2

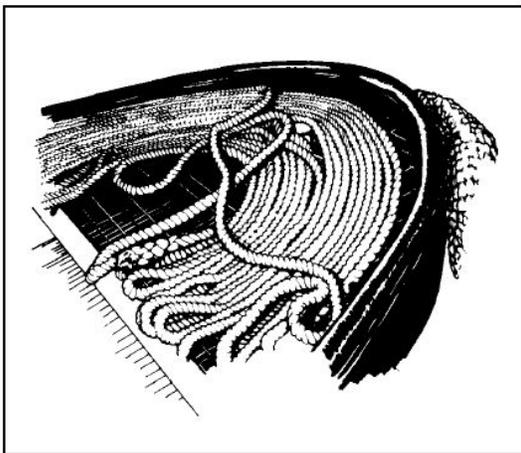


Figure 19-5. Hawser on Fantail

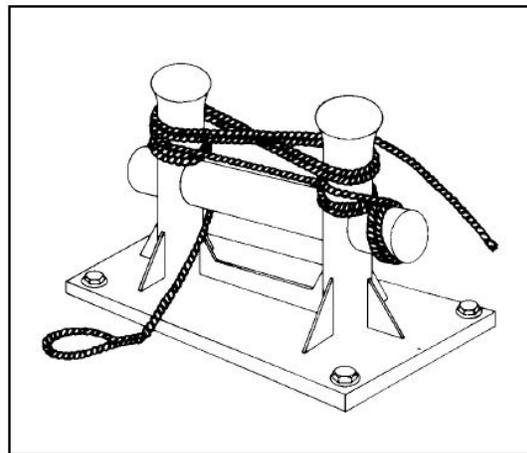


Figure 19-6. Leading the Hawser Over the "H" Bitt

e. Finish it off with two or three turns on the arm of the bitt.

Note:

3. Monitor the tow while underway to required destination.

4. Secure tow to new destination on arrival.

(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 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. Prepared vessel for ocean towing operations.			
2. Performed stern tow operations.			
3. Monitored the tow while underway to required destination			
4. Secured tow to new destination on arrival			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	COMDTINST M16672.2C	Navigation Rules - International-Inland	No	No
	DA FORM 4640	HARBOR BOAT DECK DEPARTMENT LOG FOR CLASS A&B VESSELS	No	No
	FM 4-01.502	ARMY WATERCRAFT SAFETY	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. 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.

Ensure that all safety gear is readily available prior to towing operations.

-Always face your work.

-Never step over a line lying 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, get the turns or figure eight on as quickly as possible, when surging or slacking off on a line that is under strain, keep your hands clear of the bits.

-Know where the fire axe is located.

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-1506	Prepare Vessel for Docking and Undocking a Class A Vessel	551 - Transportation (Individual)	Approved
551-88K-1505	Conduct Line Handling Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-1513	Observe Aids To Navigation (ATON) Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-1511	Prepare a Vessel for Ocean Towing Operations	551 - Transportation (Individual)	Approved

**Supporting Individual Tasks :**

Task Number	Title	Proponent	Status
551-880-9020	IDENTIFY WORSENING SEA CONDITIONS WHILE OCEAN TOWING	551 - Transportation (Individual)	Approved
551-88K-3509	Monitor Ocean Towing Operations Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-3507	Monitor Inland Towing Operations Onboard a Vessel	551 - Transportation (Individual)	Approved

**Supported Individual Tasks :**

Task Number	Title	Proponent	Status
551-88K-3709	Enforce Navigational Rules Onboard a Vessel	551 - Transportation (Individual)	Approved
551-880-9019	CALCULATE ESTIMATED TOWLINE TENSIONS	551 - Transportation (Individual)	Approved
551-880-9014	CALCULATE TOW RESISTANCE	551 - Transportation (Individual)	Approved
551-88K-2515	Conduct Watch Standing Procedures Onboard a Class B Vessel	551 - Transportation (Individual)	Approved
551-880-9008	DEMONSTRATE TOWING PROCEDURES	551 - Transportation (Individual)	Approved
551-88K-2717	Conduct Eye Splice in 12 strand Line	551 - Transportation (Individual)	Approved
551-88K-2704	Conduct Bridge-to-Bridge (VHF) Radios Operations Onboard a Vessel	551 - Transportation (Individual)	Obsolete
551-88K-2712	Perform Vessel Movements Using Aids to Navigation (ATONS)	551 - Transportation (Individual)	Obsolete
551-88K-2515	Supervise Watch Standing Procedures Onboard a Vessel	551 - Transportation (Individual)	Obsolete

551-88K-2512	Perform Rescue Operations Onboard a Vessel	551 - Transportation (Individual)	Obsolete
551-88K-2716	Conduct Eye Splice in 2 in 1 Braid Line	551 - Transportation (Individual)	Approved

**Supported Collective Tasks :**

Task Number	Title	Proponent	Status
55-2-0042	Plan Vessel Towing Operations.	55 - Transportation (Collective)	Approved
55-2-0036	Prepare Vessel for Towing Operations.	55 - Transportation (Collective)	Approved
55-2-0008(Step: 1.)	Conduct Watercraft Salvage Operations	55 - Transportation (Collective)	Approved
55-2-0045	Perform Ship Assist Operations.	55 - Transportation (Collective)	Approved
55-2-0008(Step: 2.)	Conduct Watercraft Salvage 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-SL2	Enlisted	MOS: 88K, Skill Level: SL2, Duty Pos: TCF
MOS 88K Watercraft Operator SL3	Enlisted	MOS: 88K, Skill Level: SL3, Duty Pos: TAV