

Summary Report for Individual Task
551-88K-2509
Perform Inland Towing Operations Onboard a 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 crewmember onboard Army watercraft, given an Operation Order/Operations Plan (OPORD/OPLAN), a complete risk assessment, TC 4-15.51, PPE, ratchets, towing lines, towing cables, shackles, seizing wire, chafing gear, and safety equipment, day or night, in any weather condition, in an operational environment scenario. Some iterations of this task should be performed in MOPP 4.

Standard: Prepare vessel and perform inland towing operations by moving the tow to desired location without injury to personnel or damage to vessel or equipment.

Special Condition: None

Safety Risk: Low

MOPP 4: Sometimes

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| Task Statements |
|------------------------|

Cue: Given an OPORD/OPLAN to perform inland towing operations onboard a vessel.

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| DANGER |
| None |

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| WARNING |
| None |

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| CAUTION |
| 1. When securing towlines, NEVER secure the lines so they cannot be thrown off quickly and easily. 2. Areas of the harbor subject to wave action should be avoided whenever possible. The tug and tow seldom pitch in the same tempo. When both start pitching out of harmony, the lines take a heavy strain and may part. When equipped with a rudder, the tow assists in steering. Size and loading of the tow may obstruct the view of the tug's conning officer. In that case, a lookout is stationed aboard the top who keeps the conning officer fully informed of activity and hazards in the blind area. |

Remarks: None

Notes: None

Performance Steps

1. Don PPE required for the operation.
2. Report to assigned station on vessel.
3. Lay out required lines.
 - a. Inspect lines.
 - b. Determine number of lines required for your station.
4. Fake required length of line.
5. Secure line as directed by First Mate or Vessel Master taking in or letting go slack as needed.
6. Secure remaining line when vessel and tow are in position as required by type of tow.
7. Monitor the tow while underway to required destination.
8. Secure tow to destination upon arrival.

(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. Donned PPE required for the operation. | | | |
| 2. Reported to assigned station on vessel. | | | |
| 3. Layed out required lines. | | | |
| 4. Faked required length of line. | | | |
| 5. Secured line as directed by First Mate or Vessel Master taking in or letting go slack as needed. | | | |
| 6. Secured remaining line when vessel and tow were in position as required by type of tow. | | | |
| 7. Monitored the tow while underway to required destination. | | | |
| 8. Secured tow to new destination upon arrival. | | | |

Supporting Reference(s):

| Step Number | Reference ID | Reference Name | Required | Primary |
|-------------|--------------|---------------------------|----------|---------|
| | 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-1505 | Conduct Line Handling Onboard a Vessel | 551 - Transportation (Individual) | Approved |
| 551-88K-1509 | Prepare a Vessel for Inland Towing Operations | 551 - Transportation (Individual) | Approved |
| 551-88K-1516 | Apply Marlinespike Seamanship Onboard a Vessel | 551 - Transportation (Individual) | Approved |

Supporting Individual Tasks :

| Task Number | Title | Proponent | Status |
|--------------|---|-----------------------------------|----------|
| 551-88K-2717 | Conduct Eye Splice in 12 strand Line | 551 - Transportation (Individual) | Approved |
| 551-88K-2716 | Conduct Eye Splice in 2 in 1 Braid Line | 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-3507 | Monitor Inland Towing Operations Onboard a Vessel | 551 - Transportation (Individual) | Approved |
| 551-880-9019 | CALCULATE ESTIMATED TOWLINE TENSIONS | 551 - Transportation (Individual) | Approved |
| 551-88K-9015 | Monitor Harbor Tug Operations Onboard a Vessel | 551 - Transportation (Individual) | Analysis |
| 551-880-9014 | CALCULATE TOW RESISTANCE | 551 - Transportation (Individual) | Approved |

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| 551-880-9008 | DEMONSTRATE TOWING PROCEDURES | 551 - Transportation (Individual) | Approved |
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Supported Collective Tasks :

| Task Number | Title | Proponent | Status |
|---------------------|---------------------------------------|----------------------------------|----------|
| 55-2-1508 | Conduct Vessel Operations | 55 - Transportation (Collective) | Approved |
| 55-2-0008(Step: 1.) | Conduct Watercraft Salvage 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 SL3 | Enlisted | MOS: 88K, Skill Level: SL3, Duty Pos: TAV |
| MOS 88K Watercraft Operator-SL2 | Enlisted | MOS: 88K, Skill Level: SL2, Duty Pos: TCF |