

Summary Report for Individual Task  
551-88H-1504  
Top Standard Booms Equipped With Single-Topping Lift  
Status: Approved

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**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 23801 foreign disclosure authority. This product is releasable to students from all requesting foreign countries without restrictions.

**Condition:** Assigned as a Crane Operator in an operational environment, given a requirement to top standard booms equipped with single-topping lift, a cargo vessel with standard boom rigging, standard boom equipped with a single-topping lift, safety briefing, safety gear, instruction from the foreman, a completed risk assessment, and references, day or night, in normal weather conditions. This task should not be trained in MOPP 4.

**Standard:** Top standard booms equipped with single-topping lift without injury to personnel or damage to equipment.

**Special Condition:** None

**Safety Risk:** Medium

**MOPP 4:** Never

<b>Task Statements</b>
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**Cue:** Your unit has been assigned to top standard booms equipped with a single-topping lift.

**DANGER**

Adhere to all DANGER statements listed in the equipment operator's manual applicable to this procedure. Failure to comply may result in injury to personnel or damage to equipment.

**WARNING**

Adhere to all WARNING listed in the equipment operator's manual applicable to this procedure. Failure to comply may result in injury to personnel or damage to equipment.

**CAUTION**

Adhere to all CAUTION listed in the equipment operator's manual applicable to this procedure. Failure to comply may result in injury to personnel or damage to equipment.

**Remarks:** None

**Notes:** None

## Performance Steps

### 1. Raise the boom equipped with a single-topping lift.

Note: Ensure the work area is clean and that ship's gear has been inspected. Report any deficiencies to the hatch foreman.

- a. Lay out guy to proper fittings.
- b. Lay topping lift wire along the deck or over the rail.

Note: 1. The hatch gang will place the hauling part of the topping-lift wire in a wire rope snatch block. 2. On a vessel rigged with single-topping lifts, the catheads are equipped with a fitting to which the bull rope can be fastened. When the fitting is available, the bull rope is secured to it, instead of the five (5) turns being taken around the cathead (see Figure 3-25).

- c. Attach the guys to the deck fittings and to the inboard and outboard guys.
- d. Overhaul the runner as the boom is being topped.
- e. Raise the boom to the desired height; shackle the bull chain to the deck (see Figure 3-26).

(1) Slack off the bull line slowly until the chain supports the weight of the boom.

(2) Remove the bull line from the cathead and coil it around the cleat.

f. Secure the bull line to the topping lift cleat by taking three (3) round turns on the cleats followed by three (3) figure eights.

g. Tie or mouse the figure eights with a piece of yarn or wire.

### 2. Lower the boom equipped with a single-topping lift.

- a. Remove the bull rope from the cleat.
- b. Run the bull rope through a snatch block (if not already done) and then to the cathead.

c. Secure the bull rope by taking five (5) turns around the cathead in the same direction as the cargo runner (over the cathead) or attach the bull rope to the fitting on the cathead.

d. Raise the boom slightly to remove the weight from the bull chain.

e. Remove the shackle that secures the bull chain to the deck.

f. Lower the boom.

g. Secure the gear to the lowered boom.

h. Rewind the runners on the drum of the winch.

i. Secure the cargo hook to a pad eye with a slight strain on the cargo runner.

j. Secure guys to the heel block or fittings on the mast table and pull taut.

k. Coil the hauling part of the outboard and inboard guys over the guy tackles.

l. Tie off the guys.

m. Make amidships guys fast to the cleat on the mast.

n. Secure the topping lift wire to the pad eye on deck.

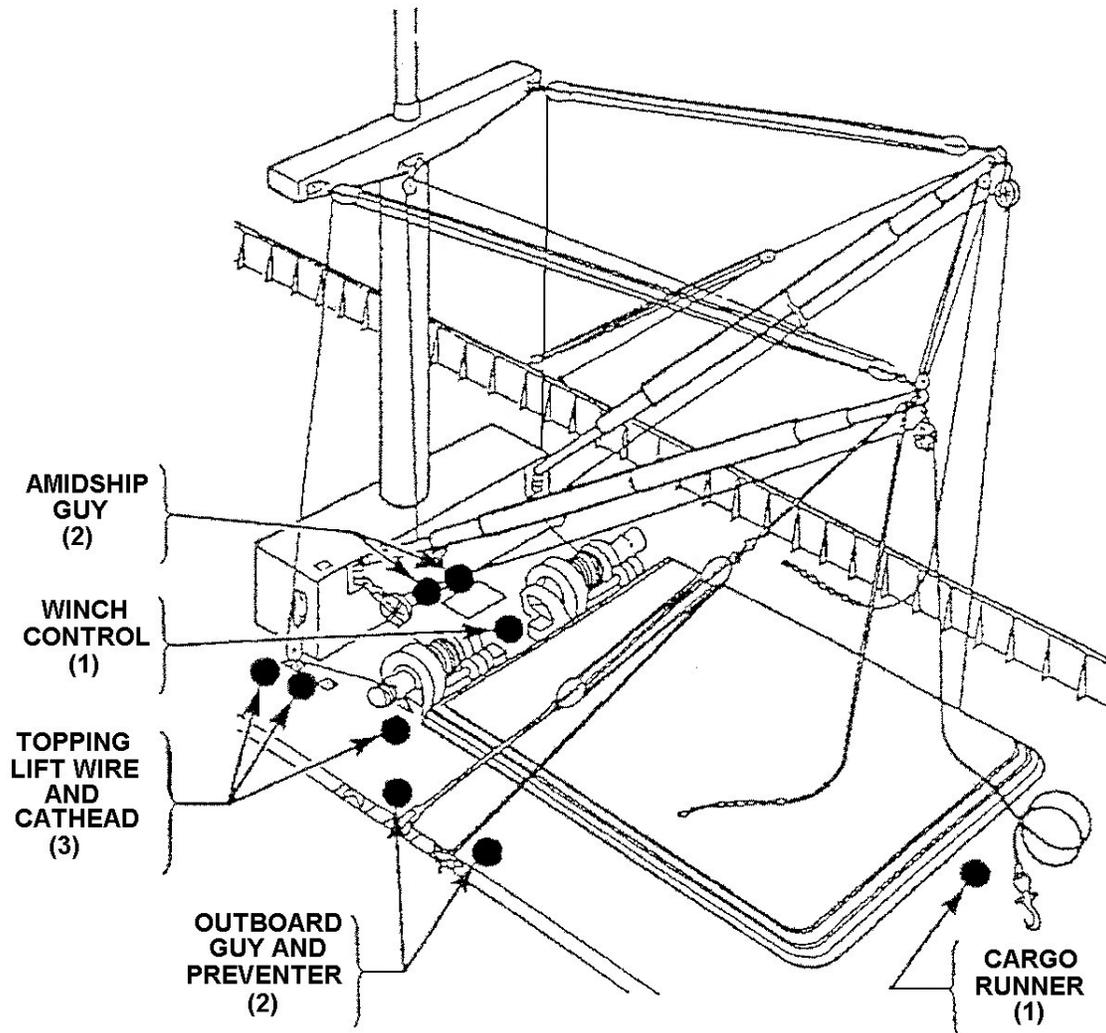


Figure 3-25  
Assignment of Hatch Gang

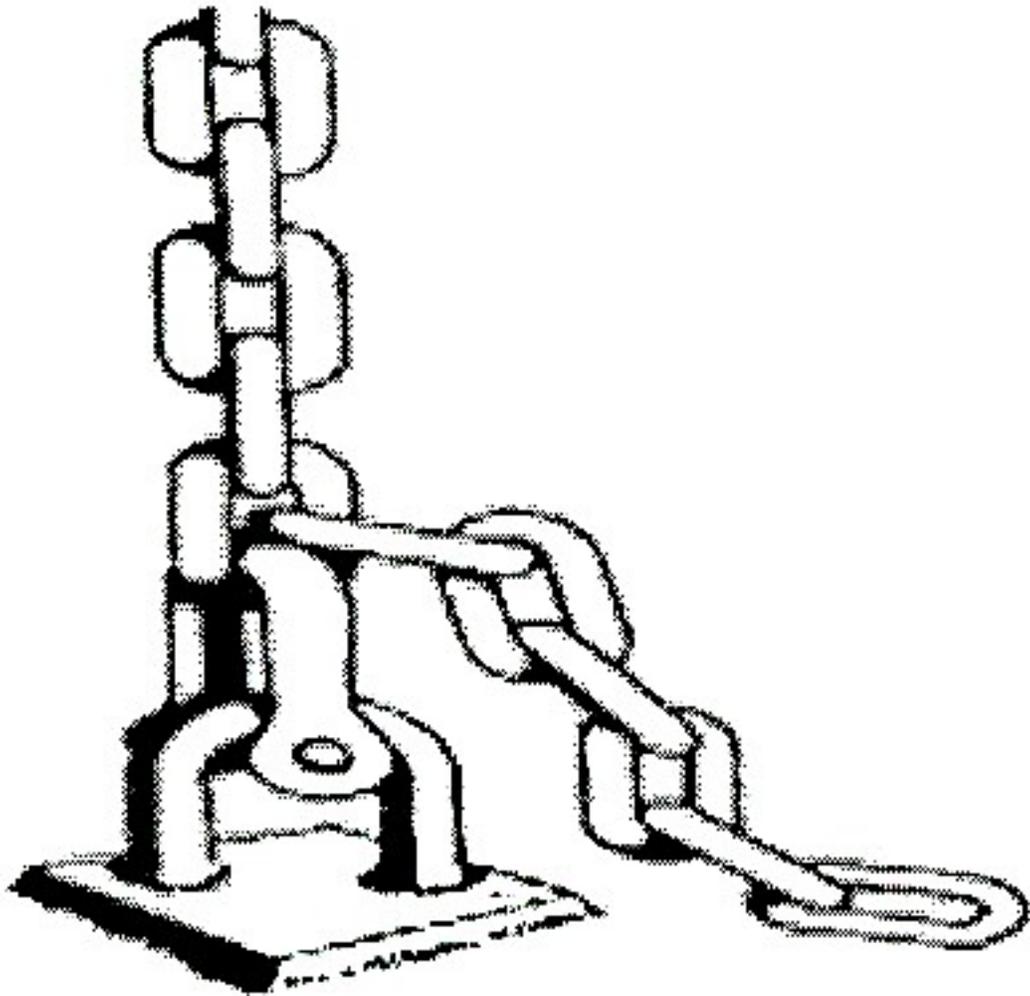


Figure 3-26  
Shackling the Bull Chain to the Deck

(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 materials required to perform the task are available. Tell the Soldier that he/she will be evaluated on topping standard booms equipped with a single-topping lift.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Raised the boom equipped with a single-topping lift.			
2. Lowered the boom equipped with a single-topping lift.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	TC 4-13.17	Cargo Specialist'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 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.

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 ARR 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 :** None

**Supporting Individual Tasks :**

Task Number	Title	Proponent	Status
551-88H-1503	Operate Electric Winches to Load or Discharge Cargo	551 - Transportation (Individual)	Superseded
551-88H-1502	Prepare Electric Winches for Operation to Load or Discharge Cargo	551 - Transportation (Individual)	Approved

**Supported Individual Tasks :**

Task Number	Title	Proponent	Status
551-88H-2523	Direct Inspection of Cargo Handling Gear	551 - Transportation (Individual)	Superseded
551-88H-2528	Check Winch Operations	551 - Transportation (Individual)	Superseded

**Supported Collective Tasks :**

Task Number	Title	Proponent	Status
55-2-1407	Conduct Pierside Operations to Discharge and Load Cargo	55 - Transportation (Collective)	Approved
55-2-1406	Conduct Cargo Operations to Discharge and Load Breakbulk Cargo	55 - Transportation (Collective)	Approved

55-2-4812	Perform Sea Port of Debarkation Activities for Deployment	55 - Transportation (Collective)	Approved
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**ICTL Data :**

<b>ICTL Title</b>	<b>Personnel Type</b>	<b>MOS Data</b>
MOS 88H - CARGO SPECIALIST SL4	Enlisted	MOS: 88H, Skill Level: SL4, Duty Pos: TGI
MOS 88H - CARGO SPECIALIST SL2	Enlisted	MOS: 88H, Skill Level: SL2, Duty Pos: ABW
MOS 88H - CARGO SPECIALIST SL1	Enlisted	MOS: 88H, Skill Level: SL1, Duty Pos: TAZ
MOS 88H - CARGO SPECIALIST SL3	Enlisted	MOS: 88H, Skill Level: SL3, Duty Pos: TBA