

Summary Report for Individual Task
551-88H-3523
Rig a Cargo Net (Helicopter)
Status: Approved

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: Assigned as a Load Planner of an external sling load operation in an operational environment, given a completed risk assessment, safety equipment, 5,000 or 10,000 pound cargo net, cargo, pressure-sensitive tape or 1/4 inch cotton webbing, Type III nylon cord, 10,000 or 25,000 pound sling set, and TM 4-48.09. This task should not be trained in MOPP 4.

Standard: Rigged a cargo net (helicopter) in accordance with TM 4-48.09.

Special Condition: None

Safety Level: Medium

MOPP: Never

Task Statements

Cue: You are assigned as Load Planner tasked to rig a cargo net for a helicopter.

DANGER

Adhere to all DANGERS listed in the technical manuals and field manuals applicable to this procedure. Failure to comply may result in injury to personnel or damage to the equipment.

WARNING

Adhere to all WARNINGS listed in the technical manuals and field manuals applicable to this procedure. Failure to comply may result in injury to personnel or damage to the equipment.

CAUTION

Adhere to all CAUTIONS listed in the technical manuals and field manuals applicable to this procedure. Failure to comply may result in injury to personnel or damage to the equipment.

Remarks: None

Notes: None

Performance Steps

1. Perform the procedures required to rig a cargo net (helicopter).

a. Remove the cargo net from the storage bag.

b. Spread the cargo net on the ground by pulling evenly on each of the four lifting legs to open the net to its fullest extension.

c. Inspect the net for serviceability.

d. Place cargo on the net with sides of the load parallel with the yellow cord.

e. Center the heaviest items in the center of the net and the lighter items on top of the heavy items.

f. Place all four lifting legs on top of the load.

g. Attach all four metal hooks to the apex fitting in the following sequence: 1, 3, 2, and 4 to provide equal lift on all legs. Hooks do not have to face in the same direction.

h. Tape or tie all four hooks together to prevent them from coming unhooked from the apex.

i. Tape or tie (breakaway technique) all sixteen lifting legs together at 3- to 4-foot intervals until no more slack can be pulled up on the legs.

j. Continue to pull the net up and tape the net mesh so that the net is tight and flat against the sides of the load.

k. Lift and tape the sling legs so that the net does not get caught on the pallet or load protrusions.

l. Tape excess net to itself to avoid snagging on the load.

Note: Do not tape the net to load.

m. Coil the lifting legs on top of the load.

Note: Normally the net apex fitting is directly attached to the cargo hook. If the load is a large one, the lifting legs may not be long enough to allow the hookup man to perform a safe hookup to the aircraft. If you cannot lift the apex fitting at least 6 feet above the load, add a leg or legs from a sling set. Route the chain end of the sling through the apex fitting and insert link 3 in the grab hook. Remember, the sling leg capacity must be greater than the weight of the load.

2. Make a final inspection of the apex fitting, netting, and taping before hookup to the aircraft, ensuring the net and load is secure (see Figure 3-116).

Note: All loads rigged must be inspected by a certified Sling Load Inspector and a copy of the Sling Inspection Record must be attached to the load.

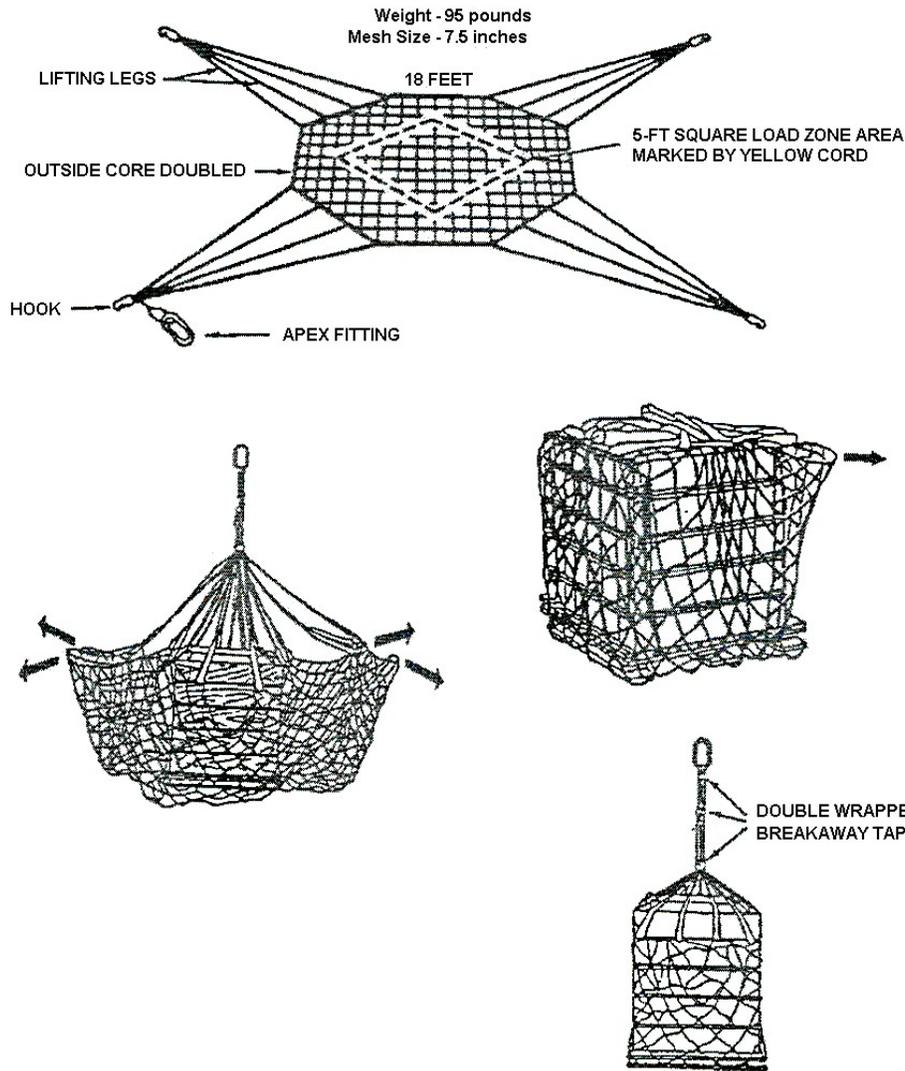


Figure 3-116
Apex Fitting, Netting, and Taping

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier a GO if all performance measures are correctly completed/pass (P). Score the Soldier a NO-GO if any of the performance measures are missed or incorrectly performed/fail (F).

Evaluation Preparation: Test this task in conjunction with the Cargo Specialist assessment. Ensure Soldier understands why this task is important to the overall safety during Cargo Handling operations.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Performed the procedures required to rig a cargo net (helicopter).			
2. Made a final inspection of the apex fitting, netting, and taping before hookup to the aircraft, ensuring the net and load was secure.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	TM 4-48.09	Multiservice Helicopter Sling Load: Basic Operations and Equipment {MCRP 4-11.3E, VOL I; NTTP 3-04.11; AFMAN 11-223 (I), VOL I; COMDTINST M13482.2B}	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. 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 : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-88H-1501	Perform Hookup Team Duties	551 - Transportation (Individual)	Analysis Completed

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88H-3501	Manage Helicopter External Sling Load Operations	551 - Transportation (Individual)	Approved

Supported Collective Tasks : None