

4123:1-5-28 Helicopters.**(A) Slings and tag lines.**

Loads ~~shall~~ will be balanced and securely fastened. Tag lines where used ~~shall~~ will be of a length that will not permit their being drawn up into the rotors. Pressed sleeve, swaged eyes, or equivalent means ~~shall~~ will be used for all freely suspended loads to prevent hand splices from spinning open or cable clamps from loosening.

(B) Cargo hooks.

All electrically operated cargo hooks ~~shall~~ will have the electrical activating device so designed and installed as to prevent inadvertent operation. In addition, the cargo hooks ~~shall~~ will be equipped with an emergency mechanical control for releasing the load. Hooks ~~shall~~ will be tested prior to each day's operation to determine that the release functions properly, both electrically and mechanically.

(C) Personal protective equipment.

Personal protective equipment ~~shall~~ will be provided ~~and shall consist~~ consisting of complete eye protection and a hard hat secured by a chinstrap.

(D) Housekeeping.

Good housekeeping ~~shall~~ will be maintained in all helicopter loading and unloading areas.

(E) Weight limitation.

The weight of an external load ~~shall~~ will not exceed the helicopter manufacturer's rating.

(F) Signal systems.

The employer ~~shall~~ will instruct the aircrew and ground personnel on the signal systems to be used and ~~shall~~ will review the system with the employees in advance of hoisting the load. This applies to both radio and hand signal systems. Hand signals, where used, ~~shall~~ will be as shown in illustration 28-1 to this rule, "Helicopter Hand Signals."

(G) Communications.

There ~~shall~~ will be constant reliable communication between the pilot and a designated employee of the ground crew who acts as a signaller during the period of loading and unloading. The signaller ~~shall~~ will be clearly distinguishable from other ground personnel.

(H) Fires.

Open fires are ~~prohibited~~ not permitted in areas where they could be spread by the rotor downwash.



MOVE
RIGHT

Left arm extended horizontally; right arm sweeps upward to position over head.



HOLD
HOVER

The signal "Hold" is executed by placing arms over head with clenched fists.



MOVE
LEFT

Right arm extended horizontally; left arm sweeps upward to position over head.



TACKOFF

Right hand behind back; left hand pointing up.



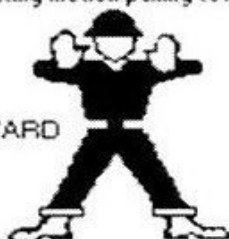
MOVE
FORWARD

Combination of arm and hand movement in a collecting motion pulling toward body.



LAND

Arms crossed in front of body and pointing downward.



MOVE
REARWARD

Hands above arm, palms out using a noticeable shoving motion.



MOVE
UPWARD

Arms extended palms up; arms sweeping up.



RELEASE
SLING
LOAD

Left arm held down away from body. Right arm cuts across left arm in a slashing movement from above.



MOVE
DOWNWARD

Arms extended, palms down; arms sweeping down.

ILLUSTRATION 28-1 HELICOPTER HAND SIGNALS

Effective: 9/1/2023

Five Year Review (FYR) Dates: 1/1/2025

CERTIFIED ELECTRONICALLY

Certification

08/18/2023

Date

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