



Fire Protection Training

Procedures Handbook 4300

AIRCRAFT

TOPIC: How to Signal A Helicopter

TIME FRAME: 30 Minutes

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: A helicopter or simulated helicopter and student in full safety uniform.

Behavior: The student will demonstrate the 12 standard helicopter hand signals.

Standard: With a minimum of 100% accuracy

MATERIALS NEEDED:

- A helicopter or simulated helicopter
- Full wildland safety uniform
- Performance examination
- Tally sheet

REFERENCES:

- CDF, Aviation Management Procedures Handbook, 8300

PREPARATION:

Whether flying, landing, or taking off helicopters afford the pilot extremely limited visibility. It is important that all passengers and by-standers be alert for potential hazards. Whenever, possible an individual should be designated to assist helicopters when landing and taking off. Utilizing standard hand signals minimizes misunderstanding and enhances safety.



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HOW TO SIGNAL A
HELICOPTER

OPERATIONS

KEY POINTS

1. Clear to start engine

1a. Right arm up

b. Bent at elbow

c. Wave forearm side to side

2. Take off

2a. Right hand behind back

b. Left hand pointing up at 45o angle

3. Hold – Hover

3a. Place arms over head

b. Clench fists

4. Move upward

4a. Arms extended outward to the side

b. At shoulder height

c. Palms up

d. Sweep arms upwards

5. Move downward

5a. Arms extended outward to the side

b. At shoulder height

c. Palms down

d. Arms sweeping down

6. Move right

6a. Left arm extended horizontal to the side at shoulder height

b. Right arm sweeps upward to position over the head

c. Repeat motion

7. Move left

7a. Right arm extended horizontal to the side at shoulder height

b. Left arm sweeps upward to position over the head

c. Repeat motion

8. Move forward

8a. Both arms extended horizontally in front of the body

b. Palms up

c. Hands and arms pulling toward the body

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HOW TO SIGNAL A
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OPERATIONS

KEY POINTS

9. Move backward

9a. Hands at shoulder height

b. In front of body

c. Palms out

d. Extend arms outward from the body
(shoving motion)

10. Release sling load

10a. Left arm down away from the body

b. Right arm extended above head

c. Right arm cuts across left arm in a
slashing motion

11. Land

11a. Arms crossed in front of the body

b. Hands pointing downward

c. Back to the wind

12. Shut off engine

12a. Slashing motion across the throat



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HOW TO SIGNAL A
HELICOPTER

APPLICATION:

Student will practice until proficient.

EVALUATION:

A performance examination.

ASSIGNMENT:

To be determined by instructor(s).

Performance Examination

HOW TO SIGNAL A
HELICOPTER

	<u>POINTS</u>
1. Give proper hand signal, "Clear to start engine"	<u>5</u>
2. Give proper hand signal, "Take-off"	<u>10</u>
3. Give proper hand signal, "Hold-hover"	<u>10</u>
4. Give proper hand signal, "Move upward"	<u>10</u>
5. Give proper hand signal, "Move downward"	<u>10</u>
6. Give proper hand signal, "Move right"	<u>10</u>
7. Give proper hand signal, "Move left"	<u>10</u>
8. Give proper hand signal, "Move forward"	<u>10</u>
9. Give proper hand signal, "Move rearward"	<u>10</u>
10. Give proper hand signal, "Release sling load"	<u>5</u>
11. Give proper hand signal, "Land"	<u>5</u>
12. Give proper hand signal, "Shut off engine"	<u>5</u>

POINTS POSSIBLE: 100

POINTS DEDUCTED:

FINAL SCORE:

EVALUATOR'S SIGNATURE:

DATE:

COMMENTS: