



Fire Protection Training

Procedures Handbook 4300

AIRCRAFT

TOPIC: Rotary Wing Aircraft

TIME FRAME: 1 Hour

LEVEL OF INSTRUCTION:

BEHAVIORAL OBJECTIVE:

Condition: A written quiz

Behavior: The student will list or describe the types, uses and safety precautions related to rotary wing aircraft.

Standard: With a minimum of 70% accuracy

MATERIALS NEEDED:

- Chalkboard and chalk
- Audio visual equipment
- Appropriate visual aids and handouts

REFERENCES:

- CDF, Aviation Management Procedures Handbook (8300)
- CDF, Helitack Slide-Synch Program, ST-101

PREPARATION:

The use of helicopters has become an integral part of fire control operations, however, like any other piece of firefighting equipment there are definite rules for safety when using the helicopter. Although the helicopter is a limited statewide resource, the chances are good that you may be working with or around helicopters.



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ROTARY WING AIRCRAFT

PRESENTATION	APPLICATION
<p>I. ROTARY WINGED AIRCRAFT</p> <p>A. Terminology</p> <ol style="list-style-type: none">1. Helitack2. Heliport, helibase, helispot3. Helicopter Coordinator, Helibase Manager, Helispot Manager4. Helitender5. Main rotor, tail rotor6. Skids7. Rigid tank, bucket <p>B. Use</p> <ol style="list-style-type: none">1. Reconnaissance2. Ferrying personnel or supplies3. Evacuation4. Water drops5. Search and rescue <p>C. Safety</p> <ol style="list-style-type: none">1. Approach and departure	<p>Review and discuss</p> <p>See Information Sheet #1</p> <p>See Information Sheet #2</p>



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PRESENTATION	APPLICATION
<ul style="list-style-type: none">a. Get the pilot's attention and permission before approaching the helicopter. Approach from the front.b. Always approach or depart in a crouched position; gusts of wind could cause the rotor blades to drop dangerously close to the ground.c. Hold your safety helmet securely in your hand or on your head with chin strap under chin to prevent it from being blown away and/or up into the rotor blades.d. Never approach or depart a helicopter upslope when the main rotor is turning, or under bad lighting conditions. Rotors are almost invisible and are closer to the ground on upslope side.e. Keep clear of the main and tail rotors at all times. Do not walk to rear of helicopter at anytime.f. Carry all long handled tools in such a manner that the handles will not be inadvertently raised into the rotor path. <p>2. Working around heliports, helibases or helispots</p> <ul style="list-style-type: none">a. Stay at least 100 feet away from helicopters at all times unless you have a specific job that requires otherwise. Your presence can cause confusion and disrupt the pilot's concentration.b. Do not face a landing helicopter unless you are wearing goggles.	<p>Eye contact, or hand signals</p>



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<ul style="list-style-type: none">c. Do not remain in an area that is constantly under the flight path of any helicopter.d. Do not smoke within 50 feet of the helicopter or the fueling areas.e. Learn and use the standard helicopter hand signals. <p>3. In-flight safety</p> <ul style="list-style-type: none">a. No smoking in the helicopter.b. Use the seat belt and keep it secured until the pilot instructs you to leave the helicopter.c. Make sure all loose gear and helmets, maps, papers, etc., are held securely in your hands, to prevent them being blown about the helicopter or out the windows.d. Never slam the doors of a helicopter; the doors do not have spring loaded locks so the handles must be physically turned to secure the door.e. Do not let any of your gear get in the way of the pilot or his controls.f. Never throw ANYTHING out of a helicopter.g. Do not talk to the pilot during take-off.h. Be alert for hazards such as other aircraft and especially telephone and power lines.i. Wear wildland safety clothing while flying in a helicopter.	<p>Have students name some hazards.</p>



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SUMMARY:

Aircraft can be a valuable tool in combating wildland fires. It is extremely important that all ground crews understand and follow all safety precautions.

EVALUATION:

A written quiz.

ASSIGNMENT:

To be determined by instructor(s).