



# Fire Protection Training

Procedures Handbook 4300

VEGETATION FIRES

**TOPIC:** How to Mobile Attack

**TIME FRAME:** 1 Hour

**LEVEL OF INSTRUCTION:**

**BEHAVIORAL OBJECTIVE:**

*Condition:* An engine capable of mobile pumping, a combination nozzle, 25 feet of 1 1/2" hose, full wildland safety uniform, and a simulated fire area.

*Behavior:* The student will demonstrate how to mobile attack for a distance of 100 feet and cool down a hot spot under simulated fire ground conditions.

*Standard:* With a minimum of 100% accuracy, within 2 minutes

**MATERIALS NEEDED:**

- Engine capable of mobile pumping
- 25 feet of 1 1/2" hose
- 1 1/2" combination nozzle
- Wildland safety uniform
- A test area
- A stop watch
- Performance examination
- Clipboard
- Tally sheet

**REFERENCES:**

- Wildland Firefighting, Clayton, Day, McFadden, Chapter 6
- IFSTA, Ground Cover Firefighting Practices, 2nd Edition, Chapter 5
- Principles of Forest Fire Management, Clar and Chatten

**PREPARATION:**

When done properly mobile attack can be the safest, fastest and most efficient method of controlling a vegetation fire.



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HOW TO MOBILE ATTACK

## OPERATIONS

## KEY POINTS

- | OPERATIONS                                      | KEY POINTS   |
|---|--|
| 1. Crew leader makes assignments                | 1a. Nozzle person  |
| 2. Select attack line                           | 2a. 1 1/2" hose 25 feet long ( $\pm$ 5 feet)<br>b. May be preconnect   |
| 3. Select nozzle                                | 3a. 1 1/2" combination   |
| 4. Extend mobile attack line                    | 4a. From engine<br>b. May be preconnect  |
| 5. Attach nozzle                                | 5a. Hand tight   |
| 6. Open discharge                               | 6a. Fully<br>b. Check for leaks  |
| 7. Open nozzle                                  | 7a. Check water pattern<br>b. Check water pressure<br>c. Bleed off air   |
| 8. Select anchor point                          | 8a. Natural fire barrier<br>b. Constructed fire barrier  |
| 9. Start mobile attack                          | 9a. At anchor point  |
| 10. Nozzle operator sets pace                   | 10a. Walk, don't run<br>b. Continuous wet line<br>c. Pace that allows complete extinguishment<br>d. Pace that does not quickly fatigue |
| 11. Work parallel to fireline                   | 11a. Normally one foot in burn   |
| 12. Simulate knocking down hot spot or flare-up | 12a. Stop<br>b. Adjust nozzle<br>c. Straight stream for added reach  |
| 13. Resume mobile attack                        | 13a. Readjust nozzle<br>b. Narrow fog<br>c. Continuous wet line for 100'   |



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## OPERATIONS

## KEY POINTS

14. Nozzle operator must remain alert for hazards to engine and crew
15. Return all equipment

- 14a. Rocks, ditches, brush, stumps, logs, power lines, etc.
- 15a. Check for damage
  - b. To proper storage location



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***APPLICATION:***

Student to practice until proficient.

***EVALUATION:***

A performance examination.

***ASSIGNMENT:***

To be determined by instructor(s).

# Performance Examination

## POINTS

### Time Start

1. Select and extend proper attack line. 10
2. Attach attack line to proper discharge. 10
3. Select proper nozzle and attach hand tight to attack line. 10
4. Open discharge valve to charge hoseline. 10
5. Prior to reaching fire , open nozzle to check water pattern, water pressure and complete elimination of air. 20
6. Student begins attack at anchor point. 10
7. Working parallel to fire's edge and in the burn make a continuous wet line along a simulated fire's edge. 10
8. On command adjust nozzle to straight stream to cool a flareup/hotspot on the fire's edge. 10
9. Adjust nozzle pattern back to a narrow fog and complete a continuous wetline along 100' of the fire's edge. 10

Time Stop 10

**ENTER TOTAL TIME:**     :

**POINTS POSSIBLE:** 100

**POINTS DEDUCTED:**

**FINAL SCORE:**

**EVALUATOR'S SIGNATURE:**

**DATE:**

**COMMENTS:**

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