

Operate a Wildland Fire Apparatus on and off Road

Activity 3-1

Format: Individual

Time Frame: Open (based on a total of 17 hours for skills practice and completion)

Description

This activity provides students with an opportunity to operate a wildland fire apparatus off road in compliance with all applicable AHJ rules and regulations and the operational limitations of the apparatus.

Standard of Completion

Operate a wildland fire apparatus, given a wildland fire apparatus, a predetermined route on and off of a public way that incorporates the maneuvers and features that the driver/operator is expected to encounter during normal operations, applicable laws and regulations, and AHJ policies and procedures, so that the vehicle is operated in compliance with all applicable jurisdictional rules and regulations and operational limitations of the apparatus. (NFPA 1010 (2024) / Paragraph 15.4.1)

Materials

- Wildland fire apparatus
- Designated area for off-road driving (driving course requirements are listed below)
- Spotter
- Tools and equipment
- PPE (including gloves and helmet)

Instructor Notes

1. The driving course shall include the following driving situations essential to driver/operator skills:
 - Street surfaces
 - Loose or wet soil
 - Steep grades (40%; not to exceed manufacturer's recommendation fore and aft)
 - Limited sight distance
 - Blind curve and mid-slope in-turns
 - Vehicle clearance obstacles (height, width, undercarriage (break-over), angle of approach, angle of departure, gates, and fences)
 - Limited space for turnaround
 - Side slopes (15% side to side; not to exceed manufacturer's recommendation fore and aft)
 - Varying types of road surface (washboard, heavy silt, gravel, transitioning from gravel to pavement, and water crossing)

2. Demonstrate the skill for the students before they practice and complete each skill.

Produce an Effective Fire Stream from a Water Tank

Activity 3-2(a)

Format: Individual

Time Frame: Open (based on a total of 17 hours for skills practice and completion)

Description

This activity provides students with an opportunity to produce an effective fire stream from a water tank during a mobile attack.

Standard of Completion

Produce effective fire streams, given a wildland fire apparatus and a water tank, so that the pump is engaged, all pressure-control and vehicle safety devices are set, the rated flow of the nozzle is achieved, and the apparatus is monitored for potential problems. (NFPA 1010 (2025) / Paragraphs 15.5.1)

Materials

- Wildland fire apparatus
- Water tank
- Designated area for off-road driving
- Nozzle person
- Tools and equipment
- PPE (including gloves and helmet)

Instructor Notes

1. Demonstrate for the students before they practice and complete each skill.

Produce an Effective Fire Stream from a Pressurized Water Source

Activity 3-2(b)

Format: Individual

Time Frame: Open (based on a total of 17 hours for skills practice and completion)

Description

This activity provides students with an opportunity to produce an effective fire stream from a pressurized water source during a mobile attack.

Standard of Completion

Produce effective fire streams, given a wildland fire apparatus and a pressurized water source, so that the pump is engaged, all pressure-control and vehicle safety devices are set, the rated flow of the nozzle is achieved, and the apparatus is monitored for potential problems. (NFPA 1010 (2025) / Paragraphs 15.5.1)

Materials

- Wildland fire apparatus
- Pressurized water source
- Designated area for off-road driving
- Nozzle person
- Tools and equipment
- PPE (including gloves and helmet)

Instructor Notes

1. Demonstrate for the students before they practice and complete each skill.

Produce an Effective Fire Stream from a Static Water Source

Activity 3-2(c)

Format: Individual

Time Frame: Open (based on a total of 17 hours for skills practice and completion)

Description

This activity provides students with an opportunity to produce an effective fire stream from a static water source during a mobile attack.

Standard of Completion

Produce effective fire streams, given a wildland fire apparatus and a static water source, so that the pump is engaged, all pressure-control and vehicle safety devices are set, the rated flow of the nozzle is achieved, and the apparatus is monitored for potential problems. (NFPA 1010 (2025) / Paragraphs 15.5.1)

Materials

- Wildland fire apparatus
- Static water source
- Designated area for off-road driving
- Nozzle person
- Tools and equipment
- PPE (including gloves and helmet)

Instructor Notes

1. Demonstrate for the students before they practice and complete each skill.