

Wildland Fire Apparatus Operations

Activity 3-1-1: Operate a Wildland Fire Apparatus Off-road

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Activity 3-1-1

NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications (2014)

- **Paragraph 8.1.2**

Operate a wildland fire apparatus, given a predetermined route off of a public way that incorporates the maneuvers and features that the driver/operator is expected to encounter during normal operations, so that the vehicle is operated in compliance with all applicable departmental rules and regulations and the design limitations of the vehicle.

Format: Individual

Time Frame: Open (based on a total of 17:00 hours for skills practice and completion)

Description

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

Materials

- Wildland fire apparatus
- Designated area for off-road driving (driving course requirements are listed below)
- Spotter
- Tools and equipment
- Personal protective clothing

Instructor Notes

- This skill identified under JPR 8.1.2 shall be demonstrated prior to the students practicing and completing each skill.
- The off-road driving course shall include the following driving situations essential to driver/operator skills:
 1. Loose or wet soil
 2. Steep grades (40%; not to exceed manufacturer's recommendation fore and aft)
 3. Limited sight distance
 4. Blind curve and mid-slope in-turns
 5. Vehicle clearance obstacles (height, width, undercarriage (break-over), angle of approach, angle of departure, gates and fences)
 6. Limited space for turnaround
 7. Side slopes (15% side to side; not to exceed manufacturer's recommendation fore and aft)
 8. Varying types of road surface (washboard, heavy silt, gravel, transitioning from gravel to pavement, and water crossing)

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Activity 3-2-1: Produce an Effective Fire Stream

Produce an Effective Fire Stream

Activity 3-2-1

NFPA 1002 Standard for Fire Apparatus Driver/Operator Professional Qualifications (2014)

- **Paragraph 8.2.1**

Produce effective fire streams, given the sources specified in the following list, 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 continuously monitored for potential problems:

- (1) Water tank
- (2) Pressurized source
- (3) Static source

Format: Individual

Time Frame: Open (based on a total of 17:00 hours for skills practice and completion)

Description

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

Materials

- Wildland fire apparatus
- Designated area for off-road driving
- Nozzleperson
- Tools and equipment
- Personal protective clothing

Instructor Notes

- This skill identified under JPR 8.2.1 shall be demonstrated prior to the students practicing and completing each skill.
- This skill, for wildland fire apparatus, does not require a pressurized or static water source. These skills were covered in the Fire Apparatus Driver/Operator 1B course.