

**Colorado Division of Fire Prevention & Control  
Driver Operator JPRs (NFPA 1002, 2014 Edition)**

JPR #	Task	<b>Initial Certification JPR Requirement:</b> 8 Mandatory  <b>Renewal JPR Requirement:</b> 100% of All JPRs <i>(including all subsections)</i>
1	Apparatus and tool inspection	Mandatory
2	Apparatus maneuvering on pre-determined route	Mandatory
3	Emergency apparatus to operate	Mandatory
4	Preparing apparatus to stop	Mandatory
5	Alley dock or apparatus station parking exercise	Mandatory
6	Serpentine exercise	Mandatory
7	Confined space turn-around exercise	Mandatory
8	Diminishing clearance exercise	Mandatory



## DRIVER OPERATOR

### JPR: DO-1

Candidate: \_\_\_\_\_

<p><b>STANDARD: 4.2.1, 4.2.2, 4.3.7</b></p> <p><b>NFPA 1002, 2014</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Perform and document routine tests, inspections, and service functions on the systems and components specified in the following list, given a fire department vehicle and its manufactures specifications, so that the operational status of the vehicle is verified.</p> <p><b>TASK:</b> Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard, given systems and equipment, manufacturer's specifications and instructions, and departmental policies and procedures for the system and equipment, so that each system or piece of equipment is operated in accordance with applicable instructions and policies.</p>	
<p>The ability to use hand tools, recognize system problems and correct any deficiency noted, with completed departmental forms, according to policies and procedures of Authority Having Jurisdiction. <b>The Authority Having Jurisdiction will administer this JPR prior to the candidate participating in the Driver/Operator Practical.</b></p> <p><b>PERFORMANCE OUTCOME:</b> On the day of the practical the Proctor will choose two Task Steps to be demonstrated by the candidate; one of which will be a piece of equipment from task step # 11.</p> <p><b>Safety:</b> A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</p>		
<p><b>EQUIPMENT REQUIRED:</b> A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.</p>		
<p><b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.</p>		
No.	Task Steps	✓
1.	Battery (ies)	
2.	Braking systems	
3.	Coolant systems	
4.	Electrical systems	
5.	Fuel	
6.	Hydraulic fluid	
7.	Oil	
8.	Tires	
9.	Steering system	
10.	Belts	
11.	Tools, appliances and equipment	

**\*Authority Having Jurisdiction will make apparatus check off sheets available for the visual check of the vehicle per their department policies and procedures. The candidate will be allowed to use these sheets while performing this JPR.**

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**Evaluator (Print & Sign)**

\_\_\_\_\_  
**Date:**



# DRIVER OPERATOR

## JPR: DO-2

Candidate: \_\_\_\_\_

<p><b>STANDARD: 4.3.1</b> <b>NFPA 1002, 2014</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Operate a fire department vehicle, given a vehicle and a predetermined route on a public roadway that incorporates the maneuvers and features specified in the following list that the driver/operator is expected to encounter during normal operations, so that the vehicle is safely operated in compliance with all applicable state and local laws, department rules and regulations, and the requirements of NFPA 1500, Standard on Fire Department Occupational Safety and Health Program, Section 4.2.</p>	
<p>Using a predetermined route provided by the Authority Having Jurisdiction the candidate will demonstrate the ability to operate passenger restraint devices; maintain safe following distances; maintain control of the vehicle while accelerating, decelerating, and turning, given road, weather, and traffic conditions; operate under adverse environmental or driving surface conditions; and use automotive gauges and controls.</p> <p><b>PERFORMANCE OUTCOME:</b> <b>The Authority Having Jurisdiction will administer this JPR prior to the candidate participating in the Driver/Operator Practical.</b></p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>		
<p><b>EQUIPMENT REQUIRED:</b> A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.</p>		
<p><b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.</p>		
No.	Task Steps	✓
1.	Four left turns	
2.	Four right turns	
3.	A straight section of urban business street or a two-lane rural road at least 1 mile in length	
4.	One through-intersection and two intersections where a stop has to be made	
5.	One Railroad crossing	
6.	One curve, either left or right	
7.	A section of limited-access highway that includes a conventional ramp entrance and exit and a section of road long enough to allow two lane changes	
8.	A downgrade steep enough and long enough to require downshifting and braking	
9.	An upgrade steep enough and long enough to require gear changing to maintain speed	
10.	One underpass or a low clearance or bridge	

**A-4.3.1**

**The maneuvers and features specified for this job performance requirement include driving situations that the committee has determined to be essential. The committee recognizes that each of these situations might not exist in all areas. Where this occurs, those specific requirements can be omitted.**

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**Evaluator (Print & Sign)**

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**Date:**



## DRIVER OPERATOR

### JPR: DO-3

Candidate: \_\_\_\_\_

<p><b>STANDARD: 4.3.6, A.4.3.6</b></p> <p><b>NFPA 1002, 2014</b></p> <p><b>General Requirements</b></p>	<p><b>Task:</b> Operate a vehicle using defensive driving techniques, given a fire department vehicle, so that control of the vehicle is maintained. Simulated emergency driving conditions should be restricted to a controlled area. Public ways should not be used for these activities.</p>	
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The candidate will demonstrate the ability to operate passenger restraint devices, maintain safe following distances, maintain control of the vehicle while accelerating, decelerating, and turning, maintain reasonable speed for road, weather, and traffic conditions, operate safely during emergency conditions, operate under adverse environmental or driving surface conditions, and use automotive gauges and controls.</p> <p><b>The Authority Having Jurisdiction will administer this JPR prior to the candidate participating in the Driver/Operator Practical. The AHJ will ensure that the candidate has prerequisite knowledge, skills, and training as outlined in NFPA Standard 4.3.6 2009 Edition.</b></p> <p style="text-align: center;"><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>	
<p><b>EQUIPMENT REQUIRED:</b> A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms</p>		
<p><b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.</p>		
No.	Task Steps	✓
1.	Wearing Seatbelt	
2.	Operate passenger restraint devices	
3.	Maintain safe following distances	
4.	Maintain reasonable speed for road, weather, and traffic conditions	
5.	Operate safely during simulated emergent conditions	
6.	Operate under adverse environmental or driving surface conditions	
7.	Use automotive gauges and controls	

**\*Authority Having Jurisdiction will maintain any documentation to verify that these duties have been performed.**

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**Evaluator (Print & Sign)**

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**Date:**



# DRIVER OPERATOR

## JPR: DO-4

Candidate: \_\_\_\_\_

<p><b>STANDARD: 4.3.7</b> <b>NFPA 1002, 2014</b> <b>General Requirements</b></p>	<p><b>Task:</b> Using the Pre-trip Apparatus Safety Inspection provided in the following task steps the fire apparatus driver/operator, given a fire department vehicle, shall demonstrate ability to prepare the vehicle to be driven.</p>	
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>Prior to starting the fire department vehicle the candidate will perform a Pre-trip Apparatus Safety Inspection in order to prepare himself and the vehicle to safely drive and operate a through the approved cone course designated in JPR's 5, 6, 7, &amp; 8.</p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>	
<p><b>EQUIPMENT REQUIRED:</b> A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.</p>		
<p><b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.</p>		
<p>No.</p>	<p>Task Steps</p>	<p>✓</p>
<p>1.</p>	<p>The candidate will ensure that all equipment and compartment doors are secured prior to entering the vehicle</p>	
<p>2.</p>	<p>Check and adjust the driver's seat</p>	
<p>3.</p>	<p>Check and adjust vehicle mirrors</p>	
<p>4.</p>	<p>Fasten seatbelt prior to placing the vehicle in motion</p>	

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Evaluator (Print & Sign)

\_\_\_\_\_  
Date:





# DRIVER OPERATOR

## JPR: DO-5

### Option 1: Alley Dock

See attached NFPA Appendix & Figure A-4.3.2 (a) & (b) for instructions and dimensions.

#### A-4.3.2

The alley dock exercise can be used as practice for or in the evaluation of this requirement. This exercise measures a driver's ability to drive past a simulated dock or stall, back the apparatus into the space provided, and stop smoothly. A dock or stall can be simulated by arranging a barricade 40 ft (12.2 m) from a boundary line. These barricades should be 12 ft (3.66 m) apart, and the length should be 20 ft (6.1 m) minimum.

The driver should pass the barricades with the dock on the left and then back the apparatus, using a left turn, into the stall. The exercise should then be repeated with the dock on the right side, using a right turn.

No portion of the vehicle should extend over the boundary lines or come in contact with the boundary markers regardless of direction of travel. [See Figure A-4.3.2(a)].

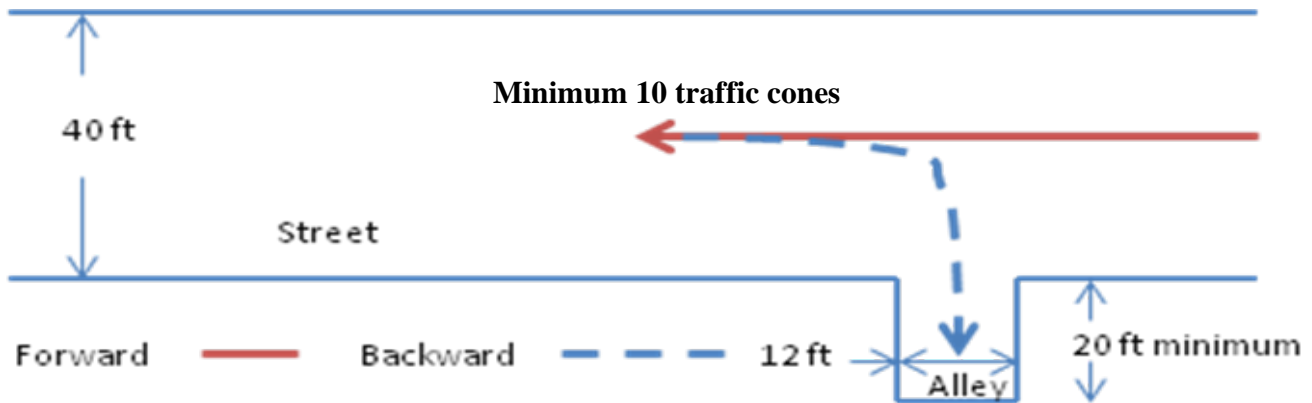


Figure A-2-3.2 (a) Alley Dock Exercise



# DRIVER OPERATOR

## JPR: DO-5

### Option 2: Apparatus Station Parking

See attached NFPA Appendix & Figure A-4.3.2 (a) & (b) for instructions and dimensions.

The apparatus station parking maneuver can also be used as practice for or in the evaluation of this requirement. This exercise measures the driver's ability to back the apparatus into a fire station to park or to back the apparatus down a street to reverse the direction of travel. An engine bay can be simulated by allowing for a 20-ft (6.1 m) minimum setback from a street 30 ft (9 m) wide, with a set of barricades at the end of the setback, spaced 12 ft (3.66 m) apart to simulate the garage door. (The setback from the street should be determined by the testing agency to ensure that the distances reflect those encountered by the apparatus driver during the normal course of duties.) A marker placed on the ground should indicate to the operator the proper position of the left front tire of the vehicle once stopped and parked. A straight line can be provided to assist the operator while backing the apparatus, facilitating the use of vehicle mirrors. The minimum bay depth distance is determined by the total length of the vehicle plus 10 ft. [See Figure A-4.3.2 (b)].

**NOTE:** This course may need to be modified for large vehicles such as ARFF and/or Aerial apparatus.

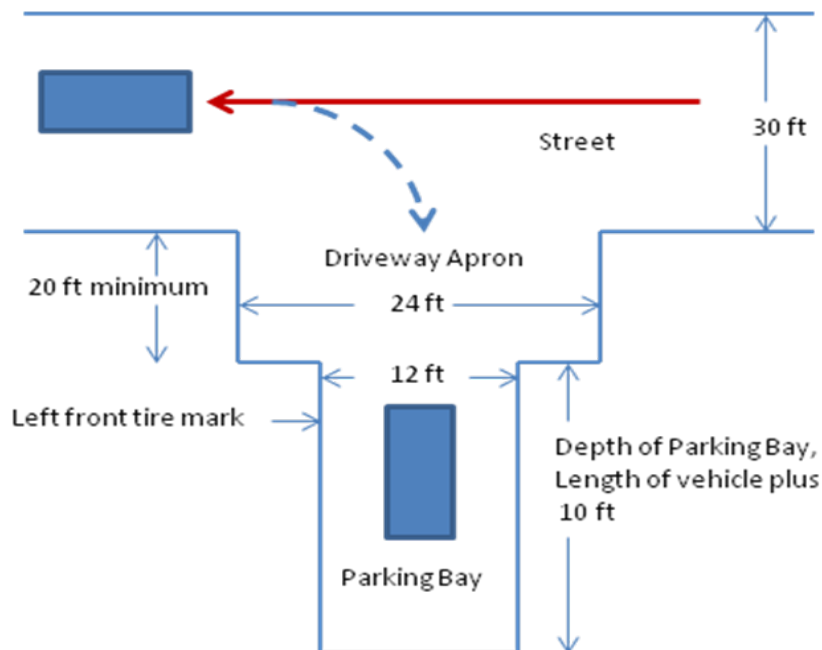


Figure A-2-3 (b) Station Parking Procedure Drill

(Minimum 14 Traffic cones) Copyright NFPA





# DRIVER OPERATOR

## JPR: DO-6

Candidate: \_\_\_\_\_

<b>STANDARD: 4.3.3, A.4.3.3</b> <b>NFPA 1002, 2014</b> <b>General Requirements</b>		<b>Task:</b> Perform the Serpentine practical driving exercise. Given a fire department apparatus and a spotter for safety perform the exercise safely without striking any obstructions.
<b>PERFORMANCE OUTCOME:</b> 4.3.3 Maneuver a vehicle around obstructions on a roadway while moving forward and in reverse, given a fire department vehicle, spotter for backing, and a roadway for obstructions, so that the vehicle is maneuvered through the obstacle without stopping and/or changing the direction of travel and without striking the obstructions. (Serpentine Exercise)		<b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b>
<b>EQUIPMENT AND SPOTTER REQUIREMENT:</b> A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms. This exercise is designed to test the candidates' ability to maneuver the apparatus through the course without assistance from a backer. The proctor/spotter will position behind the apparatus during any backing exercise. The proctor/spotter will not direct the driver into position but is there to ensure that the apparatus does not come in contact with any objects.		
<b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.		
No.	Task Steps	✓
1.	Drive the apparatus forward on the left side of the center cones.	
2.	In reverse gear, back/maneuver the apparatus around obstructions without stopping and/or changing direction of travel. Perform this task without striking obstructions.	
3.	Maneuver the apparatus forward around obstructions without stopping and/or changing direction of travel. Perform this task without striking obstructions.	
4.	Do not allow any part of the apparatus to come in contact with or cross over the course boundary markers regardless of direction of travel, i.e. bumpers, aerial device, etc.	

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 Evaluator (Print & Sign)

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 Date:



# DRIVER OPERATOR

## JPR: DO-6

### Serpentine Exercise

See attached NFPA Appendix & Figure A-4.3.3 for instructions and dimensions.

**Notes:**

For setting course boundaries on both sides of the markers, measure 20 feet from the center of the center marker cones for a total width of 40 feet.

Center marker cone spacing should be based on the chart below. Adjustment may be necessary due to turning radius/capability of the apparatus being used for testing. Regardless of the vehicle wheel base **the minimum cone spacing can be no less than 30 feet.**

This course may need to be modified for large vehicles such as ARFF and/or Aerial apparatus.

#### A-4.3.3 Serpentine Exercise

The serpentine exercise can be used as practice for or in the evaluation of this requirement. This exercise measures a driver's ability to steer the apparatus in close limits without stopping. The exercise should be conducted with the apparatus moving first backward, then forward. The course or path of travel for this exercise can be established by placing a minimum of three markers, each spaced between 30 ft (9 m) to 38 ft (12 m) apart, in a line. The spacing of the markers should be based on the wheel base of the vehicle used. Adequate space must be provided on each side of the markers for the apparatus to move freely. The driver should drive the apparatus along the left side of the markers in a straight line and stop just beyond the last marker. The driver then should back the apparatus between the markers by passing to the left of marker No. 1, to the right of marker No. 2, and to the left of marker No. 3. At this point, the driver should stop the vehicle and then drive it forward between the markers by passing to the right of marker No. 3, to the left of marker No. 2, and to the right of marker No. 1. (See Figure A-4.3.3.)

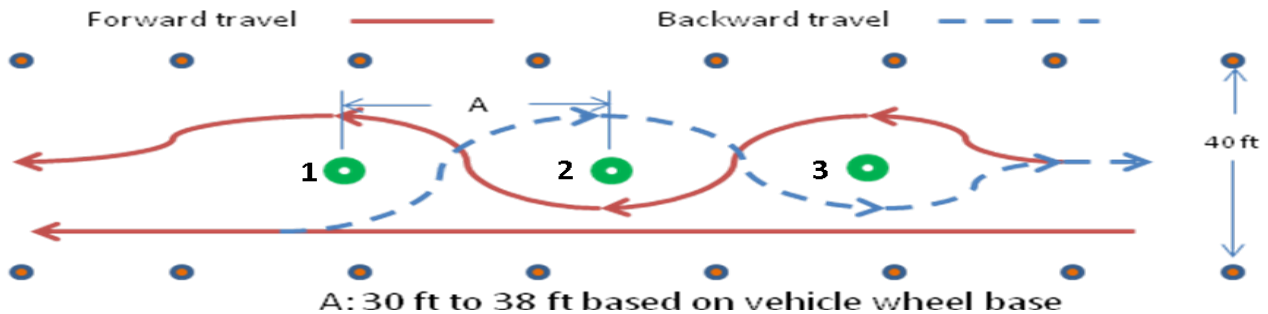


Figure A-4.3.3 Serpentine Exercise.  
(Minimum 9 traffic cones) Copyright NFPA

Wheel Base	Cone Spacing
15'	30'
16'	32'
17'	34'
18'	36'
19'	38'



## DRIVER OPERATOR

### JPR: DO-7

Candidate: \_\_\_\_\_

<b>STANDARD: 4.3.4, A.4.3.4</b> <b>NFPA 1002, 2014</b> <b>General Requirements</b>	<b>Task:</b> Perform the Turn Around Exercise practical driving exercise. Given a fire department apparatus and a spotter for safety perform the exercise safely without striking any obstructions.	
<b>PERFORMANCE OUTCOME:</b>	<p>4.3.4* Turn a fire department vehicle 180 degrees within a confined space, given a fire department vehicle, a spotter for backing, and an area in which the vehicle cannot perform a U-turn without stopping and backing up, so that the vehicle is turned 180 degrees without striking obstructions within the given space. (Turn Around Exercise)</p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>	
<b>EQUIPMENT AND SPOTTER REQUIREMENT:</b> A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms. This exercise is designed to test the candidates' ability to maneuver the apparatus through the course without assistance from a backer. The proctor/spotter will position behind the apparatus during any backing exercise. The proctor/spotter will not direct the driver into position but is there to ensure that the apparatus does not come in contact with any objects.		
<b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.		
No.	Task Steps	✓
1.	Turn the apparatus 180 degrees within a confined space, without striking obstructions.	
2.	Do not allow any part of the apparatus to come in contact with or cross over the course boundary markers regardless of direction of travel, i.e. bumpers, aerial device, etc.	

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**Evaluator (Print & Sign)**

\_\_\_\_\_  
**Date:**



# DRIVER OPERATOR

## JPR: DO-7

### Turn Around Exercise

See attached NFPA Appendix & Figure A-4.3.4 for instructions and dimensions.

The confined space turnaround can be used as practice for or in the evaluation of this requirement. This exercise measures the driver's ability to turn the vehicle around in a confined space without striking obstacles. The turn is accomplished within an area 50 ft x 100 ft (15.25 m x 30.5 m). The driver moves into the area from a 12 ft (3.66-m) opening in the center of one of the 50 ft (15.25-m) legs, turns the vehicle 180 degrees, and returns through the opening. There is no limitation on the number of times the driver has to maneuver the vehicle to accomplish this exercise, but no portion of the vehicle should extend over the boundary lines of the space. (See Figure A-4.3. 4.)

NOTE: This course may need to be modified for large vehicles such as ARFF or Aerial apparatus. Adjustments cannot exceed more than 15' of the overall length of the apparatus (i.e. the course dimensions for an apparatus with a 45' overall length can adjust to 60' x 100'.

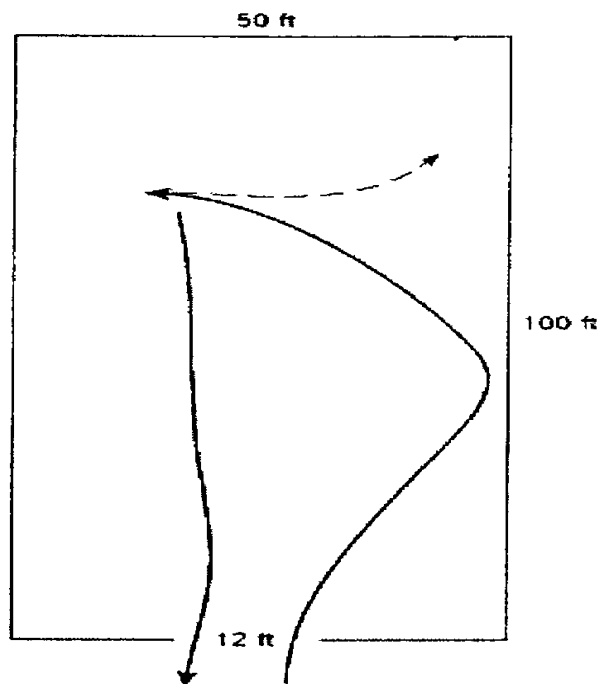


Figure A-4.3.4 Confined space turnaround.

(Minimum 12 Traffic cones) Copyright NFPA



## DRIVER OPERATOR

### JPR: DO-8

Candidate: \_\_\_\_\_

<p><b>STANDARD: 4.3.5, A.4.3.5</b></p> <p><b>NFPA 1002, 2014</b></p> <p><b>General Requirements</b></p>	<p><b>Task:</b> Perform the Diminishing Clearance Exercise practical driving exercise. Given a fire department apparatus and a spotter for safety perform the exercise safely without striking any obstructions.</p>	
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>4.3.5 Maneuver a fire department vehicle in areas with restricted horizontal clearances, given a fire department vehicle and a course that requires the operator to move forward through areas of restricted horizontal clearances, so that the operator accurately judges the ability of the vehicle to pass through the openings and so that no obstructions are struck. (Diminishing Clearance Exercise)</p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>	
<p><b>EQUIPMENT AND SPOTTER REQUIREMENT:</b> A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms. This exercise is designed to test the candidates' ability to maneuver the apparatus through the course without assistance from a backer. The proctor/spotter will position behind the apparatus during any backing exercise. The proctor/spotter will not direct the driver into position but is there to ensure that the apparatus does not come in contact with any objects.</p>		
<p><b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.</p>		
No.	Task Steps	✓
1.	Maneuver the apparatus forward through the diminishing clearance exercise without striking obstructions.	
2.	Do not allow any part of the apparatus to come in contact with or cross over the course boundary markers regardless of direction of travel, i.e. bumpers, aerial device, etc.	

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**Evaluator (Print & Sign)**

\_\_\_\_\_  
**Date:**



# DRIVER OPERATOR

## JPR: DO-8

### Diminishing Clearance Exercise

See attached Appendix and Figure A-4.3.5 for instructions and dimensions.

A-4.3.5 The diminishing clearance exercise can be used as practice for or in the evaluation of this requirement. This exercise measures a driver's ability to steer the apparatus in a straight line, to judge distances from wheel to object, and to stop at a finish line. The speed at which a driver should operate the apparatus is optional, but it should be great enough to necessitate quick judgment. This exercise is to be performed in a forward motion with cone spotters in place. The course for this exercise is created by arranging two rows of markers to form a lane 75 ft (22.9 m) long. The lane varies in width from 9 ft 6 in. (2.9 m) to a diminishing clearance of 8 ft 2 in. (2.5 m). The driver should maneuver the apparatus through this lane without touching the markers. The vehicle should be stopped at a finish line 50 ft (15.25 m) beyond the last marker. No portion of the vehicle should protrude beyond the finish line. (See Figure A-4.3.5.)

NOTE:

Regardless of vehicle width, 8'2" is the minimum dimension to be used at the exit gate.

Not all apparatus will fit in the dimensions given below. The candidate (prior to the test date) and the proctor (prior to the start of the test) should measure from tire bulge to tire bulge of both the front and rear axle widths of the apparatus being used for testing. Use the measurement of the widest axle plus 2" to mark the narrowest portion of the course. This will allow the tires to pass with 1" clearance on each side. All other lane markers used to diminish the course will need to be adjusted accordingly.

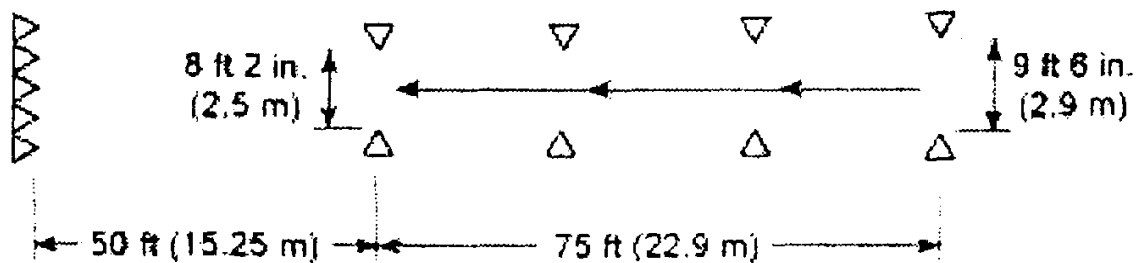


Figure A-4.3.5 Diminishing clearance exercise.

Copyright NFPA

(Minimum 10 Traffic cones)