



DRIVER OPERATOR NFPA 1002, 2009 Edition

4.2 / 4.3 Preventive Maintenance / Driving Operating
 4.2.1 / 4.2.2 / 4.3.7 Preventive Maintenance / Driving Operating
 Standard Area: Preventive Maintenance / Driving Operating

JPR #DO1

Revised 12-3-2009

Candidate: _____ Date: _____

ID#: _____

STANDARD: 4.2.1, 4.2.2 NFPA 1002, 2009 Edition	TASK: 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.				
STANDARD: 4.3.7 NFPA 1002, 2009 Edition	TASK: 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>PERFORMANCE OUTCOME: 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.</p> <p>The Authority Having Jurisdiction will administer this JPR prior to the candidate participating in the Driver/Operator Practical.</p> <p>The Proctor will choose two Task Steps including one piece of equipment from task step # 11 to be demonstrated by the candidate on the day of the practical.</p>					
CONDITIONS: The candidate will complete all elements of the assigned task.					
EQUIPMENT REQUIRED: A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
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				



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JPR #DO1
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***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.**

Proctor/Evaluator Comments: _____

Proctor/Evaluator (Print & Sign)

Date

Candidate

Date

Re-Test Proctor/Evaluator (Print & Sign)

Date

Re-Test Candidate

Date



DRIVER OPERATOR

NFPA 1002, 2009 Edition

4.3 Driving Operating

JPR #DO2

4.3.1 Standard Area: Driving / Operating

Revised 12-3-2009

Candidate: _____ Date: _____

ID#: _____

STANDARD: 4.3.1 NFPA 1002, 2009 Edition		TASK: Operate a fire department vehicle, given a vehicle and a predetermined route on a public way 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.			
PERFORMANCE OUTCOME: The candidate will safely complete the task operating the department vehicle on a predetermined route provided by the Authority Having Jurisdiction.					
The Authority Having Jurisdiction will administer this JPR prior to the candidate participating in the Driver/Operator Practical.					
CONDITIONS: The candidate will complete all elements of the assigned task.					
EQUIPMENT REQUIRED: A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
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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4.3 Driving Operating
4.3.1 Standard Area: Driving / Operating

JPR #DO2
Revised 12-3-2009

Proctor/Evaluator Comments: _____

_____	_____	_____	_____
Proctor/Evaluator (Print & Sign)	Date	Candidate	Date
_____	_____	_____	_____
Re-Test Proctor/Evaluator (Print & Sign)	Date	Re-Test Candidate	Date



DRIVER OPERATOR NFPA 1002, 2009 Edition

4.3 Driving / Operating
4.3 Driving / Operating
Standard Area: 4.3 Driving / Operating

JPR #DO3
Revised 12-3-2009

Candidate: _____ Date: _____

ID#: _____

STANDARD: 4.3.6 NFPA 1002, 2009 Edition		TASK: Operate a vehicle using defensive driving techniques under emergency conditions, given a fire department vehicle and emergency conditions, so that control of the vehicle maintained.			
PERFORMANCE OUTCOME: 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 non-emergency conditions, operate under adverse environmental or driving surface conditions, and use automotive gauges and controls. The Authority Having Jurisdiction will administer this JPR prior to the candidate participating in the Driver/Operator Practical.					
CONDITIONS: The candidate will complete all elements of the assigned task.					
EQUIPMENT REQUIRED: A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
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 non-emergency conditions				
6.	Operate under adverse environmental or driving surface conditions				
7.	Use automotive gauges and controls				

***Authority Having Jurisdiction will make available to the proctor any documentation to verify that these duties have been performed.**

Proctor/Evaluator Comments: _____

Proctor/Evaluator (Print & Sign)

Date

Candidate

Date

Re-Test Proctor/Evaluator (Print & Sign)

Date

Re-Test Candidate

Date



**DRIVER OPERATOR
NFPA 1002, 2009 Edition**

4.3 Driving / Operating
Standard Area: Driving / Operating

JPR #DO4
Revised 12-3-2009

Candidate: _____ **Date:** _____

ID#: _____

STANDARD: 4.3.1 and 4.3.2 NFPA 1002, 2009 Edition		TASK: The fire apparatus driver/operator, given a fire department vehicle, shall demonstrate ability to prepare the vehicle to be driven.			
PERFORMANCE OUTCOME: Pre-trip Apparatus Safety Inspection					
CONDITIONS: The candidate will complete all elements of the assigned task.					
EQUIPMENT REQUIRED: A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.					
NO.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Check and adjust the driver's seat				
2.	Check and adjust vehicle mirrors				
3.	Fasten seatbelt prior to placing the vehicle in motion				

Proctor/Evaluator Comments: _____

Proctor/Evaluator (Print & Sign)

Date

Candidate

Date

Re-Test Proctor/Evaluator (Print & Sign)

Date

Re-Test Candidate

Date



**DRIVER OPERATOR
NFPA 1002, 2009 Edition**

4.1 Driving / Operating
4.3.2 Driving / Operating
Standard Area: Driving / Operating

JPR #DO5
Revised 12-3-2009

Candidate: _____ **Date:** _____

ID#: _____

STANDARD: 4.3.2 NFPA 1002, 2009 Edition		TASK: Perform the practical driving exercises specified 4.3.2 through 4.3.5 given a fire department pumper and a spotter for backing, so that each exercise is performed safely without striking the vehicle or obstructions			
PERFORMANCE OUTCOME: 4.3.2* Back a vehicle from a roadway into restricted spaces on both the right and left sides of the vehicle, given a fire department vehicle, a spotter, and restricted spaces 12 ft in width, requiring 90-degree right-hand and left-hand turns from the roadway, so that the vehicle is parked within the restricted areas without having to stop and/or pull forward and without striking obstructions. (Alley Dock Exercise)					
CONDITIONS: The candidate will complete all elements of the assigned task.					
EQUIPMENT REQUIRED: A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Back the pumper into restricted space on the right side without having to stop and/or pull forward and without striking obstructions.				
2.	Back the pumper into restricted space on the left side without having to stop and/or pull forward and without striking obstructions.				
3.	Do not allow the pumper to leave course boundaries.				

Proctor/Evaluator Comments: _____

Proctor/Evaluator (Print & Sign)

Date

Candidate

Date

Re-Test Proctor/Evaluator (Print & Sign)

Date

Re-Test Candidate

Date



DRIVER OPERATOR NFPA 1002, 2009 Edition

4.1 Driving / Operating

4.3.2 Driving / Operating

Standard Area: Driving / Operating

JPR #DO5

Revised 12-3-2009

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

NOTE: JPR is complete upon backing into the dock exercise; the candidate will not be evaluated while pulling out of the dock area.

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 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 approximately 20 ft (6.1 m). 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. [See Figure A-4.3.2(a)].

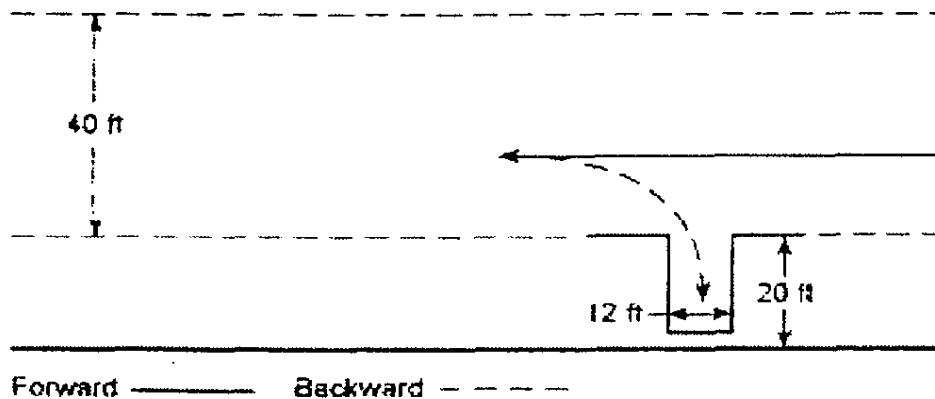


Figure A-2-3.2(a) Alley dock exercise.

(10 Traffic cones)

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 depth distance is determined by the total length of the vehicle. [See Figure A-4.3.2 (b)].



DRIVER OPERATOR NFPA 1002, 2009 Edition

4.1 Driving / Operating
4.3.2 Driving / Operating
Standard Area: Driving / Operating

JPR #DO5
Revised 12-3-2009

NOTE: For large vehicles, such as ARFF apparatus, this course might need to be modified.

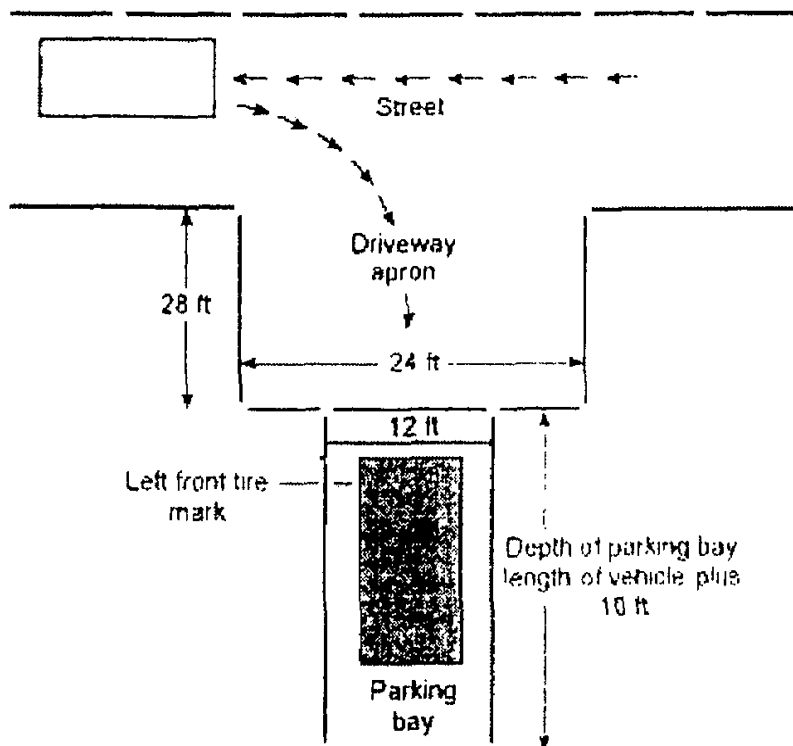


Figure A-2-3.2(b) Station parking procedure drill.

(14 Traffic cones)

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**DRIVER OPERATOR
NFPA 1002, 2009 Edition**

4.1 Driving / Operating
4.3.3 Driving / Operating
Standard Area: Driving / Operating

JPR #DO6
Revised 12-3-2009

Candidate: _____ Date: _____

ID#: _____

STANDARD: 4.3.3 NFPA 1002, 2009 Edition		TASK: Perform the practical driving exercises specified 4.3.2 through 4.3.5 given a fire department pumper and a spotter for backing, so that each exercise is performed safely without striking the vehicle or obstructions.			
PERFORMANCE OUTCOME: 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)					
CONDITIONS: The candidate will complete all elements of the assigned task.					
EQUIPMENT REQUIRED: A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Maneuver the pumper forward around obstructions without stopping and/or changing direction of travel and without striking obstructions.				
2.	Maneuver the pumper in reverse around obstructions without stopping and/or changing direction of travel and without striking obstructions.				
3.	Do not allow the pumper to leave course boundaries.				

Proctor/Evaluator Comments: _____

Proctor/Evaluator (Print & Sign)

Date

Candidate

Date

Re-Test Proctor/Evaluator (Print & Sign)

Date

Re-Test Candidate

Date



DRIVER OPERATOR NFPA 1002, 2009 Edition

4.1 Driving / Operating

4.3.3 Driving / Operating

Standard Area: Driving / Operating

JPR #DO6

Revised 12-3-2009

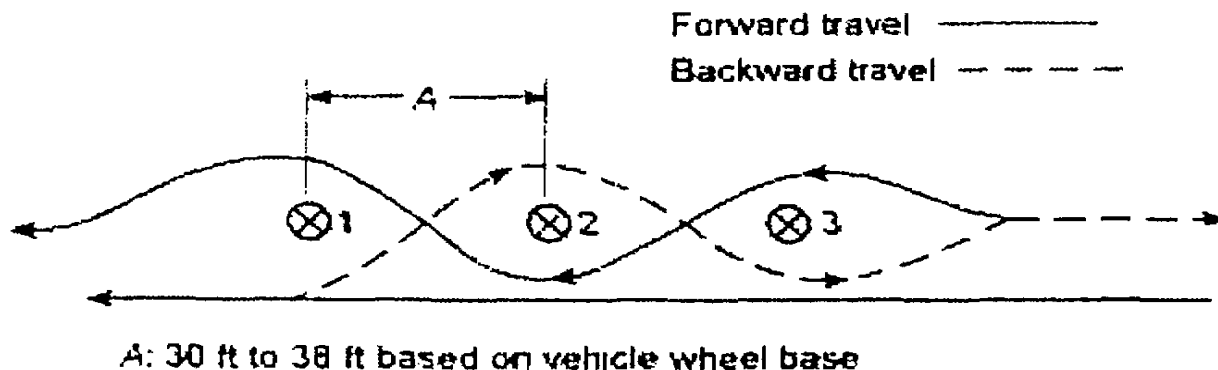
See attached NFPA Appendix & Figure A-4.3.3 for instructions and dimensions.

Note: Course boundaries are 20 feet from center of cone on each side. Total width of 40 feet.

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.)

NOTE: For large vehicles, such as ARFF apparatus, this course might need to be modified.



NOTE: Use 36 feet for Driver Operator Pumper (based on a standard wheel base of 16 feet overall length of 32 feet. If pumper is longer adjust length as referenced above.)

Figure A-4.3.3 Serpentine Exercise.

**Copyright NFPA
(9 Traffic Cones)**

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



**DRIVER OPERATOR
NFPA 1002, 2009 Edition**

4.1 Driving / Operating
4.3.4 Driving / Operating
Standard Area: Driving / Operating

JPR #DO7
Revised 12-3-2009

Candidate: _____ Date: _____

ID#: _____

STANDARD: 4.3.4 NFPA 1002, 2009 Edition		TASK: Perform the practical driving exercises specified 4.3.2 through 4.3.5 given a fire department pumper and a spotter for backing, so that each exercise is performed safely without striking the vehicle or obstructions.			
PERFORMANCE OUTCOME: 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)					
CONDITIONS: The candidate will complete all elements of the assigned task.					
EQUIPMENT REQUIRED: A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Turn the pumper 180 degrees within a confined space, without striking obstructions.				
2.	Do not allow the pumper to leave course boundaries.				

Proctor/Evaluator Comments: _____

Proctor/Evaluator (Print & Sign)

Date

Candidate

Date

Re-Test Proctor/Evaluator (Print & Sign)

Date

Re-Test Candidate

Date



DRIVER OPERATOR NFPA 1002, 2009 Edition

4.1 Driving / Operating
4.3.4 Driving / Operating
Standard Area: Driving / Operating

JPR #DO7
Revised 12-3-2009

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: For large vehicles, such as ARFF apparatus, this course might need to be modified.

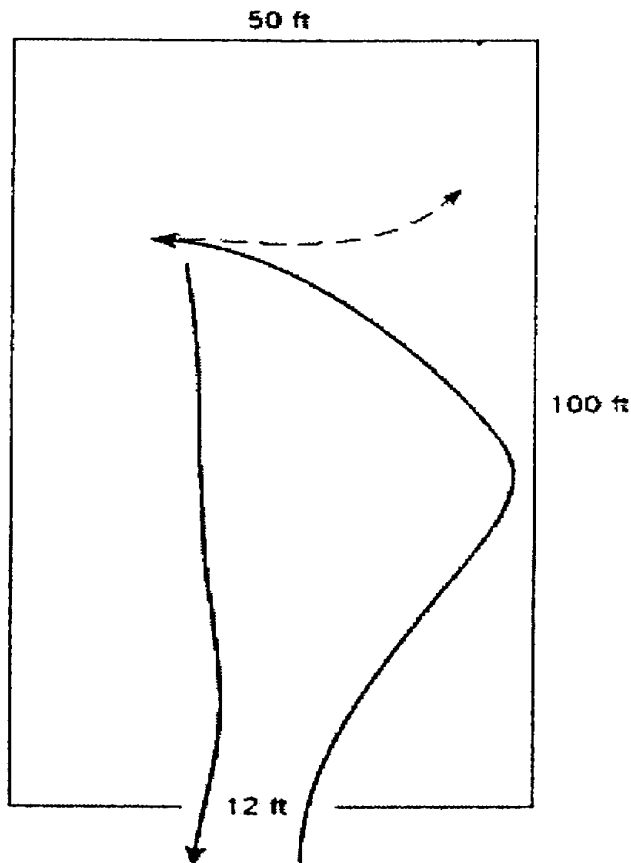


Figure A-4.3.4 Confined space turnaround.

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(12 Traffic cones)



**DRIVER OPERATOR
NFPA 1002, 2009 Edition**

4.1 Driving / Operating
4.3.5 Driving / Operating
Standard Area: Driving / Operating

JPR #DO8
Revised 12-3-2009

Candidate: _____ **Date:** _____

ID#: _____

STANDARD: 4.3.5 NFPA 1002, 2009 Edition		TASK: Perform the practical driving exercises specified 4.3.2 through 4.3.5 given a fire department pumper and a spotter for backing, so that each exercise is performed safely without striking the vehicle or obstructions.			
PERFORMANCE OUTCOME: 4.3.5* Maneuver a fire department vehicle in areas with restricted horizontal and vertical clearances, given a fire department vehicle and a course that requires the operator to move forward through areas of restricted horizontal and vertical 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)					
CONDITIONS: The candidate will complete all elements of the assigned task.					
EQUIPMENT REQUIRED: A fire department vehicle, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Maneuver the pumper forward through the diminishing clearance exercise without striking obstructions.				
2.	Do not allow the pumper to cross over the finish line.				

Proctor/Evaluator Comments: _____

Proctor/Evaluator (Print & Sign) **Date** **Candidate** **Date**

Re-Test Proctor/Evaluator (Print & Sign) **Date** **Re-Test Candidate** **Date**



DRIVER OPERATOR NFPA 1002, 2009 Edition

4.1 Driving / Operating
4.3.5 Driving / Operating
Standard Area: Driving / Operating

JPR #DO8
Revised 12-3-2009

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

NOTE: Not all apparatus will fit in dimensions given below. Proctor should measure wheel width of apparatus to be used in the course to include tire bulge, add 2" to the total width of the course (1" on each side)

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. 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 forward 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 this line. (See Figure A-4.3.5.)

NOTE: For large vehicles, such as ARFF apparatus, this course might need to be modified.

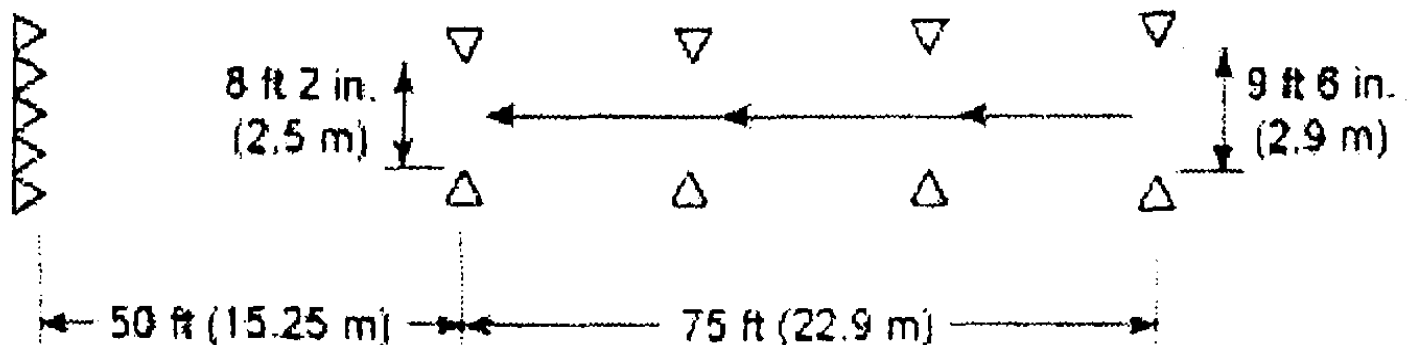


Figure A-4.3.5 Diminishing clearance exercise.

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(10 Traffic cones)