

**Colorado Division of Fire Prevention & Control  
Driver Operator Pumper JPRs (NFPA 1002, 2017 Edition)**

JPR #	Task	<p align="center"><b>Initial Certification JPR Requirement: 15 Mandatory</b></p> <p align="center"><b>Renewal JPR Requirement: 100% of All JPRs (including all subsections)</b></p>
1	Apparatus pre-trip and tool inspection	Mandatory (Submitted Prior)
2	Apparatus maneuvering on pre-determined route	Mandatory(Submitted Prior)
3	3a. Apparatus emergent and non-emergent operation 3b. Firefighter apparatus safety 3c. Scene Safety 3d. Water supply operation	Mandatory (Submitted Prior)
4	In cab procedures	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
9	Place pump into service	Mandatory
10a	Pump pre-connect from tank to 2 <sup>nd</sup> floor with fog nozzle	Random of 10 a-f
10b	Pump pre-connect from tank to ground floor with fog nozzle	Random of 10 a-f
10c	Pump pre-connect from tank to 3 <sup>rd</sup> floor with fog nozzle	Random of 10 a-f
10d	Pump pre-connect from tank downhill with fog nozzle	Random of 10 a-f
10e	Pump pre-connect from tank uphill with fog nozzle	Random of 10 a-f

10f	Pump pre-connect from tank to 1 <sup>st</sup> floor with fog nozzle	Random of 10 a-f
11	Water source transfer	Mandatory
12a	Pump smooth bore multi-story	Random of 12 a-f
12b	Pump smooth bore elevation +/-	Random of 12 a-f
12c	Pump fog nozzle elevation +/-	Random of 12 a-f
12d	Pump gated wye, supply 2 lines with fog nozzles	Random of 12 a-f
12e	Pump single line master stream with elevation +/-	Random of 12 a-f
12f	Pump two line master stream with elevation +/-	Random of 12 a-f
13a	Supply sprinkler or stand pipe	Random 13 a-b
13b	Supply foam fire stream	Random 13 a-b
14a	Relay pumping from static source with 1 supply line	Random 14a-b
14b	Relay pumping from static source with 2 supply lines	Random 14a-b
15	Return pumper to service	Mandatory



# DO-PUMPER

## JPR: DOP-1

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

<p><b>STANDARD: 5.1.2, 4.2.1</b></p> <p><b>NEFA 1002, 2017</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 pumper and its manufactures specifications, so that the operational status of the vehicle is verified.</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 Pumper 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: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>		
<p><b>EQUIPMENT REQUIRED:</b> A fully equipped fire department pumper, 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	
12.	Perform a routine inspection on Water tank and other extinguishing agent levels in accordance with policies and procedures of Authority Having Jurisdiction. (if applicable)	
13.	Perform a routine inspection on pumping systems in accordance with policies and procedures of Authority Having Jurisdiction.	
14.	Perform a routine inspection on Foam systems in accordance with policies and procedures of Authority Having Jurisdiction. (if applicable)	

**\*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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Proctor (Print & Sign)

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Date:



# DO-PUMPER

## JPR: DOP-2

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

<p><b>STANDARD: 4.3.1, A-4.3.1</b> <b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Operate a fire department pumper, 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><b>PERFORMANCE OUTCOME:</b></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>The Authority Having Jurisdiction will administer this JPR prior to the candidate participating in the Driver/Operator Pumper Practical.</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 fully equipped fire department pumper, the appropriate equipment to complete the assigned tasks and access to department policies and procedures.</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.**

**Evaluator (Print & Sign)** \_\_\_\_\_

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



## DO-PUMPER JPR: DOP-3A

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

<p><b>STANDARD: 4.3.6, A.4.3.6</b> <b>NFPA 1002, 2017</b> <b>General Requirements</b></p>	<p><b>Task:</b> Operate a vehicle using defensive driving techniques, given a fire department pumper, 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. <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 2017 Edition.</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 pumper, 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>Wearing Seatbelt</p>	<p></p>
<p>2.</p>	<p>Operate passenger restraint devices</p>	<p></p>
<p>3.</p>	<p>Maintain safe following distances</p>	<p></p>
<p>4.</p>	<p>Maintain reasonable speed for road, weather, and traffic conditions</p>	<p></p>
<p>5.</p>	<p>Operate safely during simulated emergent conditions</p>	<p></p>
<p>6.</p>	<p>Operate under adverse environmental or driving surface conditions</p>	<p></p>
<p>7.</p>	<p>Use automotive gauges and controls</p>	<p></p>

**\*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:



# DO-PUMPER

## JPR: DOP-3B

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

<b>STANDARD: 5.2.1</b> <b>NFPA 1002, 2017</b>  <b>Operations</b>	<b>Task:</b> Respond on apparatus to an emergency scene, given safety equipment as provided by the AHJ, so that the apparatus is correctly mounted and dismounted and seat belts are used while the vehicle is in motion.	
<b>PERFORMANCE OUTCOME:</b>	<p>The candidate will demonstrate mounting and dismounting procedures for riding fire apparatus. While mounting and dismounting the apparatus the candidate will face inward toward the apparatus using three points of contact and provided grabrails. The candidate will watch for and avoid hazards associated with riding apparatus. The candidate will discuss prohibited practices such as jumping out of apparatus, stepping forward out of the apparatus, and carrying equipment while exiting the apparatus.</p> <p>The candidate will recognize all types of department safety equipment and the means for usage.</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 2017 Edition.</b></p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>	
<b>EQUIPMENT REQUIRED:</b> A fire department pumper, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms		
<b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.		
No.	Task Steps	✓
1.	Perform mounting and dismount procedures for riding fire apparatus	
2.	Demonstrate the ability to use each piece of provided safety equipment, i.e. grabrails, steps, etc.	

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

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**Evaluator (Print & Sign)**

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**Date:**



# DO-PUMPER JPR: DOP-3C

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

<p><b>STANDARD: 5.2.2 NFPA 1002, 2017</b></p> <p><b>Operations</b></p>	<p><b>Task: Establish and operate in work areas at emergency and nonemergency scenes, given safety equipment, traffic and scene control devices, emergency and nonemergency scenes, traffic and other hazards, an assignment, and SOPs, so that procedures are followed, safety equipment is utilized, protected work areas are established as directed using traffic and scene control devices, and the driver/operator performs assigned tasks only in established, protected work areas.</b></p>	
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>Given the potential hazards involved in operating on emergency and nonemergency scenes including vehicle traffic, utilities, environmental conditions, proper procedures for dismounting apparatus in traffic. The candidate shall demonstrate the ability to use each piece of provided safety equipment.  <b>The Authority Having Jurisdiction will administer this JPR prior to the candidate participating in the Driver/Operator Pumper 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> In addition to a fire department pumper and the appropriate equipment to complete the assigned tasks the AHJ must provide the safety equipment available for members on emergency and nonemergency scenes.</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>Dismount the apparatus facing inward toward the apparatus while using three points of contact and provided grabbars</p>	<p></p>
<p>2.</p>	<p>The candidate will demonstrate the ability to use department issued safety equipment, i.e. traffic warning signs, cones, lighted battons, safety vests, apparatus with warning lights, etc.</p>	<p></p>
<p>3.</p>	<p>The candidate will deploy traffic and scene control devices as defined by department policies</p>	<p></p>
<p>4.</p>	<p>The candidate will establish and operate in the protected work areas as directed</p>	<p></p>

**\*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:**



# DO-PUMPER

## JPR: DOP-3D

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

<p><b>STANDARD: 5.2.3</b> <b>NFPA 1002, 2017</b></p> <p><b>Operations</b></p>	<p><b>Task:</b> The candidate will connect a fire department pumper to a water supply as an individual or a member of a team, given supply or intake hose, hose tools, and a fire hydrant or static water source, so that connections are tight and water flow is unobstructed.</p>	
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The candidate will demonstrate loading and off-loading procedures for mobile water supply apparatus by using a fire hydrant and a suitable static water supply source. The candidate will follow all department procedures and protocol for connecting to various water sources.</p> <p><b>The Authority Having Jurisdiction will administer this JPR prior to the candidate participating in the Driver/Operator Pumper 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> In addition to a fire department pumper and the appropriate equipment to complete the assigned tasks the AHJ must provide additional personnel (if department policy requires the use of a team) to complete this JPR.</p>		
<p><b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.</p>		
No.	Task Steps	✓
1.	The ability to hand lay a supply hose	
2.	Connect and place hard suction hose for drafting operations	
3.	Deploy portable water tanks as well as the equipment necessary to draft from one tank and to transfer water from one tank to the other.	
4.	Make hydrant-to-pumper hose connections for forward and reverse lays	
5.	Connect supply hose to hydrant	
6.	Fully open and close hydrant	

**\*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:**





## DO-PUMPER

### JPR: DOP-4

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

<b>STANDARD: 4.3.7</b> <b>NFPA 1002, 2017</b> <b>General Requirements</b>		<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 pumper apparatus, shall demonstrate ability to prepare the vehicle to be driven.
<b>PERFORMANCE OUTCOME:</b>		<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>On the day of the practical, the Proctor will choose two Task Steps from JPR #1 to be demonstrated by the candidate; one of which will be a piece of equipment from task step # 11.</b></p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>
<b>EQUIPMENT REQUIRED:</b> A fire department pumper, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.		
<b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.		
No.	Task Steps	✓
1.	The candidate will ensure that all equipment and compartment doors are secured prior to entering the vehicle	
2.	Check and adjust the driver's seat	
3.	Check and adjust vehicle mirrors	
4.	Fasten seatbelt prior to placing the vehicle in motion	

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**Proctor (Print & Sign)**

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**Date:**





# DO-PUMPER

## JPR: DOP-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)].

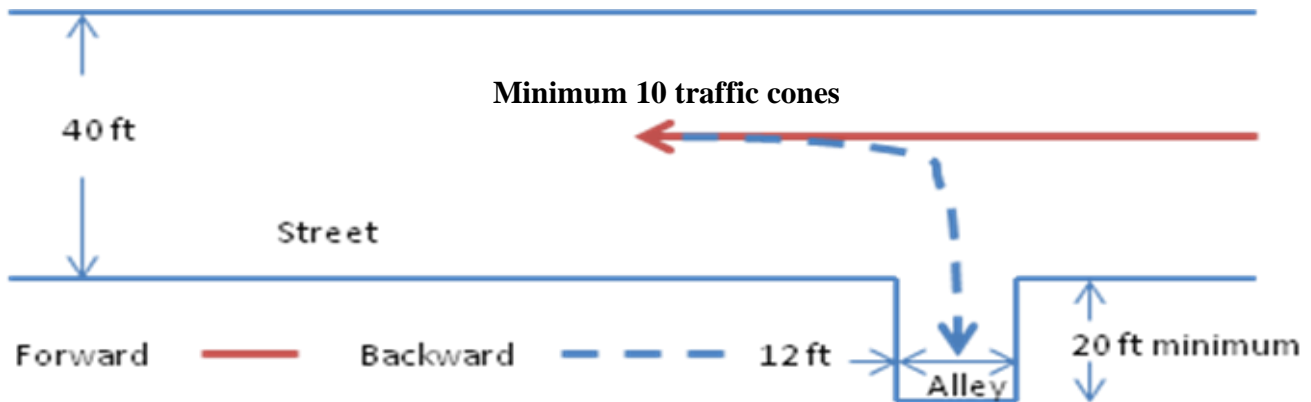


Figure A-2-3.2 (a) Alley Dock Exercise



# DO-PUMPER

## JPR: DOP-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.

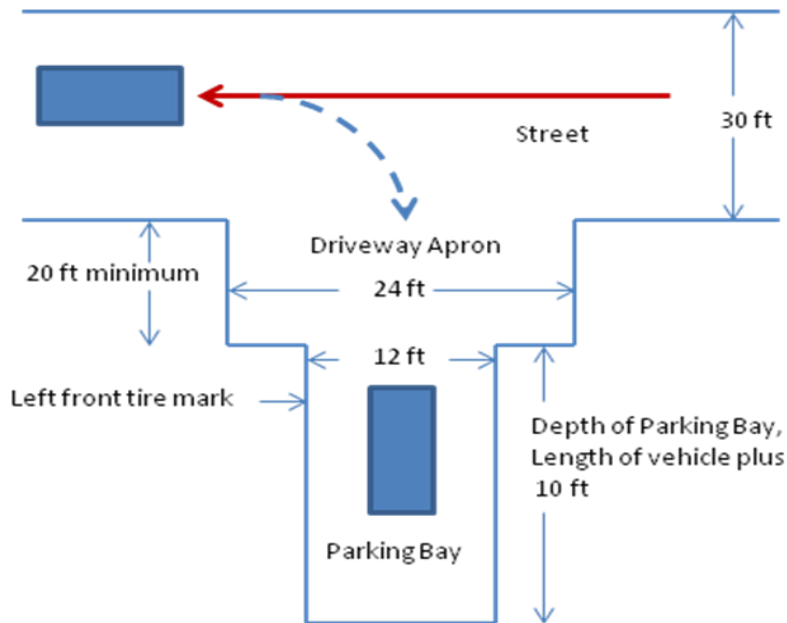


Figure A-2-3 (b) Station Parking Procedure Drill

(Minimum 14 Traffic cones) Copyright NFPA



## DO-PUMPER

### JPR: DOP-6

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

<b>STANDARD: 4.3.3, A.4.3.3</b> <b>NFPA 1002, 2017</b> <b>General Requirements</b>		<b>Task:</b> Perform the Serpentine practical driving exercise. Given a fire department pumper and a spotter for safety perform the exercise safely without striking any obstructions.
<b>PERFORMANCE OUTCOME:</b> 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 pumper, 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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**Proctor (Print & Sign)**

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**Date:**



# DO-PUMPER JPR: DOP-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.)

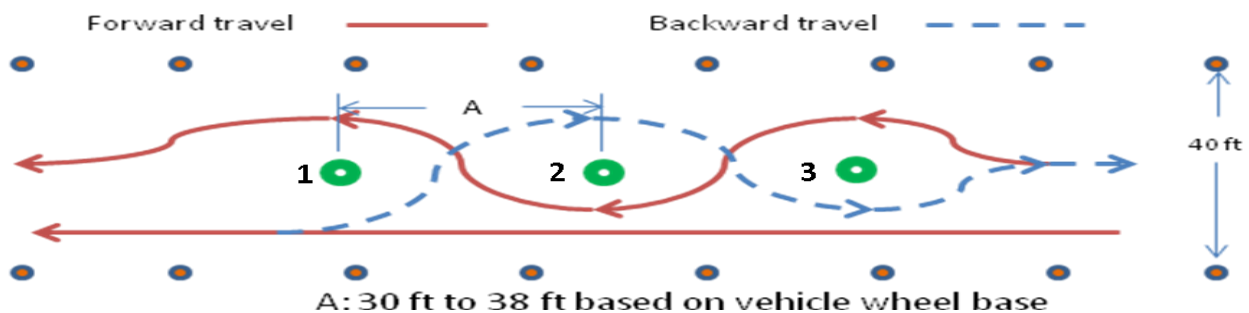


Figure A-4.3.3 Serpentine Exercise.  
(Minimum 9 traffic cones) Copyright NFPA

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



## DO-PUMPER

### JPR: DOP-7

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

<p><b>STANDARD: 4.3.4, A.4.3.4</b>  <b>NFPA 1002, 2017</b>  <b>General Requirements</b></p>	<p><b>Task:</b> Perform the Turn Around Exercise practical driving exercise. Given a fire department pumper and a spotter for safety perform the exercise safely without striking any obstructions.</p>	
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>Turn a fire department vehicle 180 degrees within a confined space, given a fire department pumper, 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>	
<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>		
<p>No.</p>	<p>Task Steps</p>	<p>✓</p>
<p>1.</p>	<p>Turn the apparatus 180 degrees within a confined space, without striking obstructions.</p>	
<p>2.</p>	<p>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.</p>	

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**Proctor (Print & Sign)**

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**Date:**



## DO-PUMPER JPR: DOP-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'.

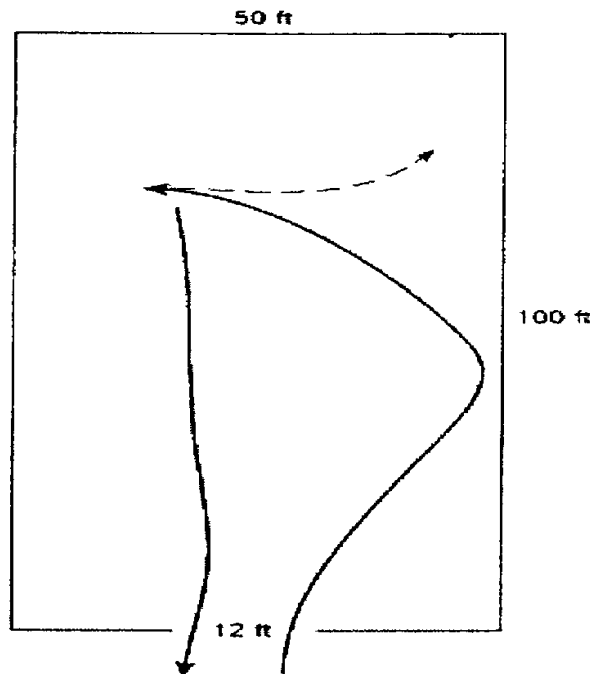


Figure A-4.3.4 Confined space turnaround.

(Minimum 12 Traffic cones) Copyright NFPA





## DO - PUMPER

### JPR: DOP-8

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

<p><b>STANDARD: 4.3.5, A.4.3.5</b>  <b>NFPA 1002, 2017</b>  <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 and in reverse 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. After completing the course in a forward motion, candidate will reposition at the entrance gate, back the apparatus through the diminishing clearance, and stop at the finish line 50' beyond the last marker. (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>		
<p>No.</p>	<p>Task Steps</p>	<p>✓</p>
<p>1.</p>	<p>Maneuver the apparatus forward and in reverse through the diminishing clearance exercise without striking obstructions.</p>	
<p>2.</p>	<p>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.</p>	

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**Evaluator (Print & Sign)**

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



## DO - PUMPER JPR: DOP-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 and in reverse 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 4" to mark the narrowest portion of the course. This will allow the tires to pass with 2" clearance on each side. All other lane markers used to diminish the course will need to be adjusted accordingly. **After completing the course in a forward motion, candidate will reposition at the entrance gate, back the apparatus through the diminishing clearance, and stop at the finish line 50' beyond the last marker. The apparatus should be stopped within a reasonable distance (3'-5') from the finish line cones. The intent of the JPR is to know**

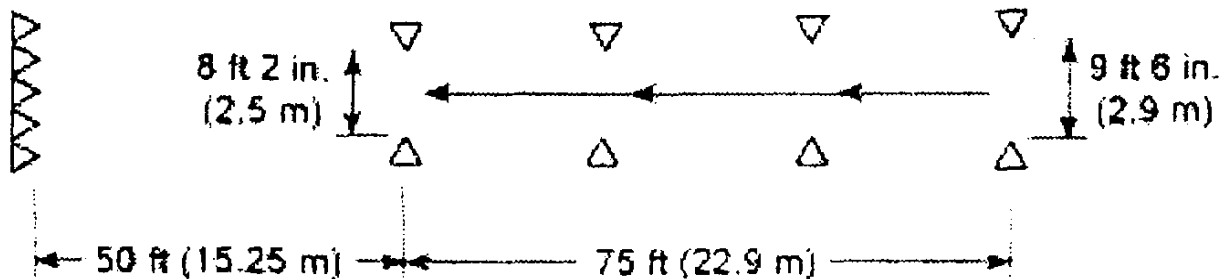


Figure A-4.3.5 Diminishing clearance exercise.

Copyright NFPA  
(Minimum 10 Traffic cones)



## DO-PUMPER

### JPR: DOP-9

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

<b>STANDARD: 5.2.4</b> <b>NFPA 1002, 2017</b> <b>General Requirements</b>		<b>TASK:</b> The fire apparatus driver/operator, given a fire department pumper, shall demonstrate placing the pump in service for pumping operations.
<b>PERFORMANCE OUTCOME:</b> The candidate shall safely and efficiently complete all in-cab, pump engagement, and safety procedures. <b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b>		
<b>EQUIPMENT REQUIRED:</b> A fire department pumper, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.		
<b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.		
No.	Task Steps	✓
1.	Bring the apparatus to a full stop and allow the engine to slow to idle speed.	
2.	Shift the transmission to neutral and set the brake (per manufactures instructions).	
3.	Depress the brake pedal and engage the pump shift switch and lock.	
4.	Shift the transmission into pump gear.	
5.	Open water tank to pump valve.	
6.	Properly position wheel chocks.	
7.	Describe manual pump engagement procedures.	

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**Proctor (Print & Sign)**

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**Date:**



## DO-PUMPER

### JPR: DOP-10a

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from internal tank) for supplying a pre-connected attack line, given one _____ inch attack line, _____ ft. in length with a _____ gpm fog nozzle being deployed to the <b>2nd floor</b> will produce an effective fire stream and calculate the correct discharge pressure.</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 pumper, 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.	Open the water tank to pump valve fully	
2.	Place the transfer valve in volume pressure. (if applicable)	
3.	Open the correct discharge valve.	
4.	Adjust the throttle to the correct discharge pressure. _____ within (+ or - 5 psi) (Prime, if necessary).	
5.	Set the pressure control device to the operating pressure.	
6.	Monitor system for overheating. Operate auxiliary cooling systems. (if applicable)	

**Continue to next JPR Sheet without shutting down**

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Proctor (Print & Sign)

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Date:



# DO-PUMPER

## JPR: DOP-10a

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>		
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from internal tank) for supplying a pre-connected attack line, given one _____ inch attack line, _____ ft. in length with a _____ gpm fog nozzle being deployed to the <b>2nd floor</b> will produce an effective fire stream and calculate the correct discharge pressure.</p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>		
<h3>Candidate Work Area</h3>			
<table border="1" style="margin-left: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px;"><b>Write Answer</b></td> </tr> <tr> <td style="padding: 5px;">PDP=</td> </tr> </table>		<b>Write Answer</b>	PDP=
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**Proctor (Print & Sign)**

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



## DO-PUMPER JPR: DOP-10b

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

<p><b>STANDARD: 5.2.4</b> <b>NFPA 1002, 2017</b> <b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from internal tank) for supplying a pre-connected attack line, given one _____ inch attack line, _____ ft. in length with a _____ gpm fog nozzle being deployed to the <b>ground floor</b>, will produce an effective fire stream and calculate the correct discharge pressure.</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 pumper, 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>Open the water tank to pump valve fully</p>	
<p>2.</p>	<p>Place the transfer valve in volume pressure. (if applicable)</p>	
<p>3.</p>	<p>Open the correct discharge valve.</p>	
<p>4.</p>	<p>Adjust the throttle to the correct discharge pressure. _____ within (+ or – 5 psi) (Prime, if necessary).</p>	
<p>5.</p>	<p>Set the pressure control device to the operating pressure.</p>	
<p>6.</p>	<p>Monitor system for overheating. Operate auxiliary cooling systems. (if applicable)</p>	

**Continue to next JPR Sheet without shutting down**

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**Proctor (Print & Sign)**

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**Date:**



# DO-PUMPER

## JPR: DOP-10b

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>		
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from internal tank) for supplying a pre-connected attack line, given one _____ inch attack line, _____ ft. in length with a _____ gpm fog nozzle being deployed to the ground floor, will produce an effective fire stream and calculate the correct discharge pressure.</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>		
<h3>Candidate Work Area</h3>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;"><b>Write Answer</b></td> </tr> <tr> <td style="padding: 5px;">PDP=</td> </tr> </table>		<b>Write Answer</b>	PDP=
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Date:



## DO-PUMPER

### JPR: DOP-10c

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from internal tank) for supplying a pre-connected attack line, given one ____ inch attack line, ____ ft. in length with a ____ gpm fog nozzle being deployed to the <b>3rd floor</b> will produce an effective fire stream and calculate the correct discharge pressure.</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 pumper, 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.	Open the water tank to pump valve fully	
2.	Place the transfer valve in volume pressure. (if applicable)	
3.	Open the correct discharge valve.	
4.	Adjust the throttle to the correct discharge pressure. _____ within (+ or – 5 psi) (Prime, if necessary).	
5.	Set the pressure control device to the operating pressure.	
6.	Monitor system for overheating. Operate auxiliary cooling systems. (if applicable)	

**Continue to next JPR Sheet without shutting down**

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Proctor (Print & Sign)

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Date:





# DO-PUMPER

## JPR: DOP-10c

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>		
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from internal tank) for supplying a pre-connected attack line, given one ____ inch attack line, ____ ft. in length with a ____ gpm fog nozzle being deployed to the <b>3rd floor</b> will produce an effective fire stream and calculate the correct discharge pressure.</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>		
<h3>Candidate Work Area</h3>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;"><b>Write Answer</b></td> </tr> <tr> <td style="padding: 5px;">PDP=</td> </tr> </table>		<b>Write Answer</b>	PDP=
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## DO-PUMPER

### JPR: DOP-10d

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p><b>PERFORMANCE OUTCOME:</b> The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from internal tank) for supplying a pre-connected attack line, given one _____ inch attack line, _____ ft. in length and deployed _____ ft. <b>downhill</b>, with a _____ gpm fog nozzle will produce an effective fire stream and calculate the correct discharge pressure.</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 pumper, 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.	Open the water tank to pump valve fully	
2.	Place the transfer valve in volume pressure. (if applicable)	
3.	Open the correct discharge valve.	
4.	Adjust the throttle to the correct discharge pressure. _____ within (+ or – 5 psi) (Prime, if necessary).	
5.	Set the pressure control device to the operating pressure.	
6.	Monitor system for overheating. Operate auxiliary cooling systems. (if applicable)	

**Continue to next JPR Sheet without shutting down**

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Proctor (Print & Sign)

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Date:



# DO-PUMPER

## JPR: DOP-10d

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>		
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from internal tank) for supplying a pre-connected attack line, given one _____ inch attack line, _____ ft. in length and deployed _____ ft. <b>downhill</b>, with a _____ gpm fog nozzle will produce an effective fire stream and calculate the correct discharge pressure.</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>		
<h3>Candidate Work Area</h3>			
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**Date:**



## DO-PUMPER

### JPR: DOP-10e

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p><b>PERFORMANCE OUTCOME:</b> The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from internal tank) for supplying a pre-connected attack line, given one ____ inch attack line, ____ ft. in length and deployed ____ ft. <b>uphill</b> with a ____ gpm fog nozzle will produce an effective fire stream and calculate the correct discharge pressure.</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 pumper, 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.	Open the water tank to pump valve fully	
2.	Place the transfer valve in volume pressure. (if applicable)	
3.	Open the correct discharge valve.	
4.	Adjust the throttle to the correct discharge pressure. _____ within (+ or – 5 psi) (Prime, if necessary).	
5.	Set the pressure control device to the operating pressure.	
6.	Monitor system for overheating. Operate auxiliary cooling systems. (if applicable)	

**Continue to next JPR Sheet without shutting down**

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Proctor (Print & Sign)

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Date:



# DO-PUMPER

## JPR: DOP-10e

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>		
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from internal tank) for supplying a pre-connected attack line, given one ____ inch attack line, ____ ft. in length and deployed ____ ft. <u>uphill</u> with a ____ gpm fog nozzle will produce an effective fire stream and calculate the correct discharge pressure.</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>		
<h3>Candidate Work Area</h3>			
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Proctor (Print & Sign) \_\_\_\_\_

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## DO-PUMPER JPR: DOP-10f

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p><b>PERFORMANCE OUTCOME:</b> The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from internal tank) for supplying a pre-connected attack line, given one _____ inch attack line, _____ ft. in length with a _____ gpm fog nozzle deployed to the <b>1st floor</b> will produce an effective fire stream and calculate the correct discharge pressure.</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 pumper, 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.	Open the water tank to pump valve fully	
2.	Place the transfer valve in volume pressure. (if applicable)	
3.	Open the correct discharge valve.	
4.	Adjust the throttle to the correct discharge pressure. _____ within (+ or – 5 psi) (Prime, if necessary).	
5.	Set the pressure control device to the operating pressure.	
6.	Monitor system for overheating. Operate auxiliary cooling systems. (if applicable)	

**Continue to next JPR Sheet without shutting down**

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Proctor (Print & Sign)

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Date:



# DO-PUMPER JPR: DOP-10f Candidate Work Sheet

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>		
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from internal tank) for supplying a pre-connected attack line, given one _____ inch attack line, _____ ft. in length with a _____ gpm fog nozzle deployed to the <b>1st floor</b> will produce an effective fire stream and calculate the correct discharge pressure.</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>		
<h2 style="margin: 0;">Candidate Work Area</h2>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;"><b>Write Answer</b></td> </tr> <tr> <td style="padding: 5px;">PDP=</td> </tr> </table>		<b>Write Answer</b>	PDP=
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**Proctor (Print & Sign)**

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**Date:**



## DO-PUMPER

### JPR: DOP-11

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

<p><b>STANDARD: 5.2.4 and 5.2.5</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p><b>PERFORMANCE OUTCOME:</b> The Driver/Operator will perform a transfer from internal tank to external source (Hydrant).</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 pumper, 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>Signal to have hydrant opened (<b>proctor will have someone at hydrant to open it</b>).</p>	<p></p>
<p>2.</p>	<p>Maintain constant discharge pressure (+ or - 30 psi)**</p>	<p></p>
<p>3.</p>	<p>Reset pressure control device.</p>	<p></p>
<p>4.</p>	<p>Fill apparatus booster tank.</p>	<p></p>
<p>5.</p>	<p>Close tank to pump.</p>	<p></p>

**Continue to next JPR Sheet without shutting down**

**\*\*Note: If apparatus has an electronic throttle control, task step # 2 is not applicable.**

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Proctor (Print & Sign)

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





# DO-PUMPER

## JPR: DOP-12a

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator; given a fire department pumper, shall demonstrate pump operations for supplying multiple hose lines.</p> <p><b>Driver/Operator is operating off a pressurized water source with attack line flowing.</b></p> <p>Hoseline number 2</p> <p>The driver operator given (1) one _____ inch hoseline, _____ ft in length, an _____ inch smooth bore nozzle, +/- _____ number floors, must show an effective fire stream and calculate the correct pump discharge pressure.</p> <p><b><u>Proctor must determine gain/loss prior to administering the exam.</u></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 pumper, 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.	Identify static pressure _____ psi.	
2.	Place transfer valve in _____ (if equipped).	
3.	Maintain correct pump discharge pressure (hoseline number one) _____ (within + or - 5 psi).	
4.	Adjust throttle to correct pump discharge pressure (hoseline number two) _____ (within + or - 5 psi).	
5.	Set pressure control device.	
6.	Identify residual pressure _____ psi.	
7.	<b>Monitor system for overheating. Operate auxiliary cooling systems (if applicable)</b>	
8.	<b>Identify the number of equal lines or additional gpm that can be added ____.</b>	
9.	<b>Identify possible problems that may occur if residual pressure drops below 20 psi.</b>	
10.	<b>Identify action to be taken.</b>	
11.	<b>Demonstrate shut down procedures.</b>	

**Proctor will state to the Candidate the Task Steps in bold type.**

\_\_\_\_\_  
Proctor (Print & Sign)

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



# DO-PUMPER

## JPR: DOP-12a

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>		
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator; given a fire department pumper, shall demonstrate pump operations for supplying multiple hose lines.</p> <p><b>Driver/Operator is operating off a pressurized water source with attack line flowing.</b></p> <p>Hoseline number 2</p> <p>The driver operator given (1) one _____ inch hoseline, _____ ft in length, an _____ inch smooth bore nozzle, +/- _____ number floors, must show an effective fire stream and calculate the correct pump discharge pressure.</p> <p><u><b>Proctor must determine gain/loss prior to administering the exam.</b></u></p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>		
<h3>Candidate Work Area</h3>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;"><b>Write Answer</b></td> </tr> <tr> <td style="padding: 5px;">PDP=</td> </tr> </table>		<b>Write Answer</b>	PDP=
<b>Write Answer</b>			
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\_\_\_\_\_  
Proctor (Print & Sign)

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



## DO-PUMPER JPR: DOP-12b

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

<p><b>STANDARD: 5.2.4</b> <b>NFPA 1002, 2017</b> <b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator; given a fire department pumper, shall demonstrate pump operations for supplying multiple hose lines.</p> <p><b>Driver/Operator is operating off a pressurized water source with attack line flowing.</b></p> <p>Hoseline number 2</p> <p>The driver operator given (1) one _____ inch hoseline, _____ ft in length , an _____ inch smooth bore nozzle with _____ ft elevation gain/loss; must show an effective fire stream and calculate the correct pump discharge pressure.</p> <p><b><u>Proctor must determine gain/loss prior to administering the exam.</u></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 pumper, 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>Identify static pressure _____ psi.</p>	
<p>2.</p>	<p>Place transfer valve in _____ (if equipped).</p>	
<p>3.</p>	<p>Maintain correct pump discharge pressure (hoseline number one) _____ (within + or – 5 psi).</p>	
<p>4.</p>	<p>Adjust throttle to correct pump discharge pressure (hoseline number two) _____ (within + or – 5 psi).</p>	
<p>5.</p>	<p>Set pressure control device.</p>	
<p>6.</p>	<p>Identify residual pressure _____ psi.</p>	
<p>7.</p>	<p><b>Monitor system for overheating. Operate auxiliary cooling systems (if applicable)</b></p>	
<p>8.</p>	<p><b>Identify the number of equal lines or additional gpm that can be added ____.</b></p>	
<p>9.</p>	<p><b>Identify possible problems that may occur if residual pressure drops below 20 psi.</b></p>	
<p>10.</p>	<p><b>Identify action to be taken.</b></p>	
<p>11.</p>	<p><b>Demonstrate shut down procedures.</b></p>	

**Proctor will state to the Candidate the Task Steps in bold type.**

\_\_\_\_\_  
Proctor (Print & Sign)

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



# DO-PUMPER

## JPR: DOP-12b

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>		
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator; given a fire department pumper, shall demonstrate pump operations for supplying multiple hose lines.</p> <p><b>Driver/Operator is operating off a pressurized water source with attack line flowing.</b></p> <p>Hoseline number 2</p> <p>The driver operator given (1) one _____ inch hoseline, _____ ft in length , an _____ inch smooth bore nozzle with _____ ft elevation gain/loss; must show an effective fire stream and calculate the correct pump discharge pressure.</p> <p><u><b>Proctor must determine gain/loss prior to administering the exam.</b></u></p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>		
<h3>Candidate Work Area</h3>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;"><b>Write Answer</b></td> </tr> <tr> <td style="padding: 5px;">PDP=</td> </tr> </table>		<b>Write Answer</b>	PDP=
<b>Write Answer</b>			
PDP=			

Proctor (Print & Sign) \_\_\_\_\_

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



# DO-PUMPER

## JPR: DOP-12c

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations for supplying multiple hose lines.</p> <p><b>Driver Operator is operating off a pressurized water source with attack line flowing.</b></p> <p>Hoseline number 2</p> <p>The driver operator given (1) one _____ inch hoseline _____ ft in length with a _____ gpm fog nozzle and _____ ft elevation gain/loss will produce an effective fire stream and calculate the correct pump discharge pressure.</p> <p><b><u>Proctor must determine gain/loss prior to administering the exam.</u></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 pumper, 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.	Identify static pressure _____ psi.	
2.	Place transfer valve in _____ (if equipped).	
3.	Maintain correct pump discharge pressure (hoseline number one) _____ (within + or - 5 psi).	
4.	Adjust throttle to correct pump discharge pressure (hoseline number two) _____ (within + or - 5 psi).	
5.	Set pressure control device.	
6.	Identify residual pressure _____ psi.	
7.	<b>Monitor system for overheating. Operate auxiliary cooling systems (if applicable)</b>	
8.	<b>Identify the number of equal lines or additional gpm that can be added ____.</b>	
9.	<b>Identify possible problems that may occur if residual pressure drops below 20 psi.</b>	
10.	<b>Identify action to be taken.</b>	
11.	<b>Demonstrate shut down procedures.</b>	

**Proctor will state to the Candidate the Task Steps in bold type.**

Proctor (Print & Sign) \_\_\_\_\_

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



# DO-PUMPER JPR: DOP-12c Candidate Work Sheet

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>		
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations for supplying multiple hose lines.</p> <p><b>Driver Operator is operating off a pressurized water source with attack line flowing.</b></p> <p>Hoseline number 2</p> <p>The driver operator given (1) one _____ inch hoseline _____ ft in length with a _____ gpm fog nozzle and _____ ft elevation gain/loss will produce an effective fire stream and calculate the correct pump discharge pressure.</p> <p><u><b>Proctor must determine gain/loss prior to administering the exam.</b></u></p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>		
<h2 style="margin: 0;">Candidate Work Area</h2>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;"><b>Write Answer</b></td> </tr> <tr> <td style="padding: 5px;">PDP=</td> </tr> </table>		<b>Write Answer</b>	PDP=
<b>Write Answer</b>			
PDP=			

Proctor (Print & Sign) \_\_\_\_\_

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



## DO-PUMPER

### JPR: DOP-12d

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations for supplying multiple hose lines.</p> <p><b>Driver/Operator is operating off a pressurized water source with attack line flowing.</b></p> <p><b>PERFORMANCE OUTCOME:</b> Hoseline number 2 The driver/operator given (1) one _____ inch hoseline _____ ft in length with a gated wye and (2) two _____ inch hoselines; each _____ ft in length with a _____ gpm fog nozzle will produce an effective fire stream and calculate the correct pump discharge pressure. <b><u>Proctor must determine gain/loss prior to administering the exam.</u></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 pumper, 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.	Identify static pressure _____ psi.	
2.	Place transfer valve in _____ (if equipped).	
3.	Maintain correct pump discharge pressure (hoseline number one) _____ (within + or – 5 psi).	
4.	Adjust throttle to correct pump discharge pressure (hoseline number two) _____ (within + or – 5 psi).	
5.	Set pressure control device.	
6.	Identify residual pressure _____ psi.	
7.	<b>Monitor system for overheating. Operate auxiliary cooling systems (if applicable)</b>	
8.	<b>Identify the number of equal lines or additional gpm that can be added ____.</b>	
9.	<b>Identify possible problems that may occur if residual pressure drops below 20 psi.</b>	
10.	<b>Identify action to be taken.</b>	
11.	<b>Demonstrate shut down procedures.</b>	

**Proctor will state to the Candidate the Task Steps in bold type.**

Proctor (Print & Sign) \_\_\_\_\_

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



# DO-PUMPER JPR: DOP-12d Candidate Work Sheet

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

<p><b>STANDARD: 5.2.4</b> <b>NFPA 1002, 2017</b> <b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>
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<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations for supplying multiple hose lines.</p> <p><b>Driver/Operator is operating off a pressurized water source with attack line flowing.</b></p> <p>Hoseline number 2</p> <p>The driver/operator given (1) one _____ inch hoseline _____ ft in length with a gated wye and (2) two _____ inch hoselines; each _____ ft in length with a _____ gpm fog nozzle will produce an effective fire stream and calculate the correct pump discharge pressure.</p> <p><b><u>Proctor must determine gain/loss prior to administering the exam.</u></b></p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>
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<b>Candidate Work Area</b>			
	<table border="1" style="width: 100%; height: 100%;"> <tr> <td style="text-align: center; padding: 5px;"><b>Write Answer</b></td> </tr> <tr> <td style="padding: 5px;">PDP=</td> </tr> </table>	<b>Write Answer</b>	PDP=
<b>Write Answer</b>			
PDP=			

Proctor (Print & Sign) \_\_\_\_\_

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





## DO-PUMPER

### JPR: DOP-12e

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>																																		
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations for supplying multiple hose lines.</p> <p><b>Driver/Operator is operating off a pressurized water source with attack line flowing.</b></p> <p>Hoseline number 2 The driver/operator given (1) one _____ inch hoseline _____ ft in length attached to a remote master stream appliance with an _____ inch smooth bore nozzle; _____ ft gain/loss in elevation; a hydrant as a water supply, must show an effective fire stream and calculate the correct pump discharge pressure.</p> <p><b><u>Proctor must determine gain/loss prior to administering the exam.</u></b></p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>																																		
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<table border="1"> <thead> <tr> <th data-bbox="207 1241 297 1293">No.</th> <th data-bbox="297 1241 1239 1293">Task Steps</th> <th data-bbox="1239 1241 1317 1293">✓</th> </tr> </thead> <tbody> <tr> <td data-bbox="207 1293 297 1335">1.</td> <td data-bbox="297 1293 1239 1335">Identify static pressure _____ psi.</td> <td data-bbox="1239 1293 1317 1335"></td> </tr> <tr> <td data-bbox="207 1335 297 1377">2.</td> <td data-bbox="297 1335 1239 1377">Place transfer valve in _____ (if equipped).</td> <td data-bbox="1239 1335 1317 1377"></td> </tr> <tr> <td data-bbox="207 1377 297 1440">3.</td> <td data-bbox="297 1377 1239 1440">Maintain correct pump discharge pressure (hoseline number one) _____ (within + or – 5 psi).</td> <td data-bbox="1239 1377 1317 1440"></td> </tr> <tr> <td data-bbox="207 1440 297 1503">4.</td> <td data-bbox="297 1440 1239 1503">Adjust throttle to correct pump discharge pressure (hoseline number two) _____ (within + or – 5 psi).</td> <td data-bbox="1239 1440 1317 1503"></td> </tr> <tr> <td data-bbox="207 1503 297 1545">5.</td> <td data-bbox="297 1503 1239 1545">Set pressure control device.</td> <td data-bbox="1239 1503 1317 1545"></td> </tr> <tr> <td data-bbox="207 1545 297 1587">6.</td> <td data-bbox="297 1545 1239 1587">Identify residual pressure _____ psi.</td> <td data-bbox="1239 1545 1317 1587"></td> </tr> <tr> <td data-bbox="207 1587 297 1629">7.</td> <td data-bbox="297 1587 1239 1629"><b>Identify the number of equal lines or additional gpm that can be added ____.</b></td> <td data-bbox="1239 1587 1317 1629"></td> </tr> <tr> <td data-bbox="207 1629 297 1671">8.</td> <td data-bbox="297 1629 1239 1671"><b>Identify possible problems that may occur if residual pressure drops below 20 psi.</b></td> <td data-bbox="1239 1629 1317 1671"></td> </tr> <tr> <td data-bbox="207 1671 297 1713">9.</td> <td data-bbox="297 1671 1239 1713"><b>Identify action to be taken.</b></td> <td data-bbox="1239 1671 1317 1713"></td> </tr> <tr> <td data-bbox="207 1713 297 1766">10.</td> <td data-bbox="297 1713 1239 1766"><b>Demonstrate shut down procedures.</b></td> <td data-bbox="1239 1713 1317 1766"></td> </tr> </tbody> </table>	No.	Task Steps	✓	1.	Identify static pressure _____ psi.		2.	Place transfer valve in _____ (if equipped).		3.	Maintain correct pump discharge pressure (hoseline number one) _____ (within + or – 5 psi).		4.	Adjust throttle to correct pump discharge pressure (hoseline number two) _____ (within + or – 5 psi).		5.	Set pressure control device.		6.	Identify residual pressure _____ psi.		7.	<b>Identify the number of equal lines or additional gpm that can be added ____.</b>		8.	<b>Identify possible problems that may occur if residual pressure drops below 20 psi.</b>		9.	<b>Identify action to be taken.</b>		10.	<b>Demonstrate shut down procedures.</b>			
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<p>Proctor (Print &amp; Sign) _____</p>		<p>Date: _____</p>																																	



# DO-PUMPER

## JPR: DOP-12e

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>		
<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations for supplying multiple hose lines.</p> <p><b>Driver/Operator is operating off a pressurized water source with attack line flowing.</b></p> <p>Hoseline number 2</p> <p>The driver/operator given (1) one _____ inch hoseline _____ ft in length attached to a remote master stream appliance with an _____ inch smooth bore nozzle; _____ ft gain/loss in elevation; a hydrant as a water supply, must show an effective fire stream and calculate the correct pump discharge pressure.</p> <p><b><u>Proctor must determine gain/loss prior to administering the exam.</u></b></p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>		
<h3>Candidate Work Area</h3>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;"><b>Write Answer</b></td> </tr> <tr> <td style="padding: 5px;">PDP=</td> </tr> </table>		<b>Write Answer</b>	PDP=
<b>Write Answer</b>			
PDP=			

Proctor (Print & Sign) \_\_\_\_\_

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



## DO-PUMPER JPR: DOP-12f

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

<p><b>STANDARD: 5.2.4</b> <b>NFPA 1002, 2017</b> <b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations for supplying multiple hose lines.</p> <p><b>Driver/Operator is operating off a pressurized water source with attack line flowing.</b></p> <p>Hoseline number 2</p> <p><b>PERFORMANCE OUTCOME:</b> The driver/operator given (2) two _____ inch hoselines _____ ft. in length, attached to a remote master stream appliance with a fog nozzle at _____ gpm, hydrant as a water supply, _____ ft. gain/loss in elevation, must show an effective fire stream and calculate the correct pump discharge pressure. <b><u>Proctor must determine gain/loss prior to administering the exam.</u></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 pumper, 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.	Identify static pressure _____ psi.	
2.	Place transfer valve in _____ (if equipped).	
3.	Maintain correct pump discharge pressure (hoseline number one) _____ (within + or – 5 psi).	
4.	Adjust throttle to correct pump discharge pressure (hoseline number two) _____ (within + or – 5 psi).	
5.	Set pressure control device.	
6.	Identify residual pressure _____ psi.	
7.	<b>Monitor system for overheating. Operate auxiliary cooling systems (if applicable)</b>	
8.	<b>Identify the number of equal lines or additional gpm that can be added ____.</b>	
9.	<b>Identify possible problems that may occur if residual pressure drops below 20 psi.</b>	
10.	<b>Identify action to be taken.</b>	
11.	<b>Demonstrate shut down procedures.</b>	

**Proctor will state to the Candidate the Task Steps in bold type.**

Proctor (Print & Sign) \_\_\_\_\_

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



# DO-PUMPER

## JPR: DOP-12f

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>
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<p><b>PERFORMANCE OUTCOME:</b></p>	<p>The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations for supplying multiple hose lines.</p> <p><b>Driver/Operator is operating off a pressurized water source with attack line flowing.</b></p> <p>Hoseline number 2</p> <p>The driver/operator given (2) two _____ inch hoselines _____ft. in length, attached to a remote master stream appliance with a fog nozzle at _____ gpm, hydrant as a water supply, _____ft. gain/loss in elevation, must show an effective fire stream and calculate the correct pump discharge pressure.</p> <p><b><u>Proctor must determine gain/loss prior to administering the exam.</u></b></p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>
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<b>Candidate Work Area</b>			
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<b>Write Answer</b>			
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Proctor (Print & Sign) \_\_\_\_\_

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



## DO-PUMPER

### JPR: DOP-13a

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

<p><b>STANDARD: 5.2.7</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Supply water to fire sprinkler and standpipe systems, given specific information and a fire department pumper, so that water is supplied to the system at the proper volume and pressure.</p>	
<p>The driver/operator given (2) two _____ inch hoselines, _____ ft. in length, attached to the Fire Department Connection, operating at the _____ floor, with _____ ft. of _____ inch attack line, and a _____ gpm /inch fog/ smooth bore nozzle. Supplied from a pressurized water source, must show an effective fire stream and calculate the correct pump discharge pressure.</p> <p><b>PERFORMANCE OUTCOME:</b> Proctor must select fire sprinkler or stand pipe system</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 pumper, 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>Identify static pressure _____ psi.</p>	
<p>2.</p>	<p>Place transfer valve in _____ (if equipped).</p>	
<p>3.</p>	<p>Adjust throttle to correct pump discharge pressure for attack line. _____ (within + or – 5 psi).</p>	
<p>4.</p>	<p>Set pressure control device.</p>	
<p>5.</p>	<p><b>Demonstrate shut down procedures.</b></p>	
<p>6.</p>	<p>Monitor system for overheating. Operate auxiliary cooling systems (if applicable)</p>	

**Proctor will state to the Candidate the Task Steps in bold type.**

\_\_\_\_\_  
Proctor (Print & Sign)

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



# DO-PUMPER

## JPR: DOP-13a

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.7</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK: Supply water to fire sprinkler and standpipe systems, given specific information and a fire department pumper, so that water is supplied to the system at the proper volume and pressure.</b></p>		
<p><b>PERFORMANCE OUTCOME:</b></p> <p style="margin-left: 40px;">The driver/operator given (2) two _____ inch hoselines, _____ ft. in length, attached to the Fire Department Connection, operating at the _____ floor, with _____ ft. of _____ inch attack line, and a _____ gpm /inch fog/ smooth bore nozzle. Supplied from a pressurized water source, must show an effective fire stream and calculate the correct pump discharge pressure.</p> <p style="margin-left: 40px;"><b>Proctor must select fire sprinkler or stand pipe system</b></p> <p style="margin-left: 40px;"><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>			
<p><b>Candidate Work Area</b></p>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;"><b>Write Answer</b></td> </tr> <tr> <td style="padding: 10px;">PDP=</td> </tr> </table>		<b>Write Answer</b>	PDP=
<b>Write Answer</b>			
PDP=			

Proctor (Print & Sign) \_\_\_\_\_

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



## DO-PUMPER

### JPR: DOP-13b

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

<b>STANDARD: 5.2.6</b> <b>NFPA 1002, 2017</b> <b>General Requirements</b>		<b>TASK:</b> Produce a foam fire stream, given foam-producing equipment, so that properly proportioned foam is provided.
<b>PERFORMANCE OUTCOME:</b> The fire apparatus driver/operator, given foam and foam producing equipment, shall demonstrate the ability to operate foam-proportioning equipment, connect foam stream equipment and produce an effective fire stream supplied with foam.		<b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b>
<b>EQUIPMENT REQUIRED:</b> A fire department pumper, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.		
<b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.		
No.	Task Steps	✓
1.	<b>Identify type of foam producing equipment being utilized.</b>	
2.	Prepare foam-producing equipment for operation.	
3.	Adjust throttle to correct pump discharge pressure for foam-producing equipment being utilized.	
4.	<b>Identify correct foam concentrations for a specific type of fire, to be determined by the proctor. Example: What percentage of class B foam should be used on a polar solvent-fueled fire.</b>	
5.	Produce an effective foam supplied fire stream.	
6.	<b>Identify limitations of foam type being utilized.</b>	
7.	<b>Demonstrate shut down procedures.</b>	
8.	<b>Identify proper cleaning or flushing procedures for equipment utilized, per the manufacture recommendations.</b>	

Proctor will state to the Candidate the Task Steps in bold type.

\_\_\_\_\_  
 Proctor (Print & Sign)

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



# DO-PUMPER

## JPR: DOP-13b

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.6</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK: Produce a foam fire stream, given foam-producing equipment, so that properly proportioned foam is provided.</b></p>		
<p><b>PERFORMANCE OUTCOME:</b></p> <p>The fire apparatus driver/operator, given foam and foam producing equipment, shall demonstrate the ability to operate foam-proportioning equipment, connect foam stream equipment and produce an effective fire stream supplied with foam.</p> <p style="text-align: right;"><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>			
<p><b>Candidate Work Area</b></p>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;"><b>Write Answer</b></td> </tr> <tr> <td style="padding: 10px;">PDP=</td> </tr> </table>		<b>Write Answer</b>	PDP=
<b>Write Answer</b>			
PDP=			

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**Proctor (Print & Sign)**

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





## DO-PUMPER JPR: DOP-14a

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

<b>STANDARD: 5.2.5</b> <b>NFPA 1002, 2017</b> <b>General Requirements</b>		<b>TASK:</b> Pump a supply line of 2 ½ in. or larger, given a relay pumping evolution the length and size of the line and the desired flow and intake pressure, so that the proper pressure and flow are provided to the next pumper in the relay.
<p>The driver /operator, given a static water source with _____ 10ft. section(s) of hard suction/supply line, connected to a fire department pumper, relay water using (1) one _____ inch supply line _____ ft. in length to a fire department attack pumper with _____ ft. elevation gain/loss flowing _____ gpm must calculate and pump the correct pump discharge pressure.  <b>Proctor must determine gain/loss prior to administering the exam</b></p> <p><b>Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.</b></p>		
<b>PERFORMANCE OUTCOME:</b>		
<b>EQUIPMENT REQUIRED:</b> A fire department pumper, the appropriate equipment to complete the assigned tasks and access to department policies, procedures and related forms.		
<b>CONDITIONS:</b> The candidate will successfully complete 100% of all elements of the assigned task steps.		
No.	Task Steps	✓
1.	<b>Identify the source and attack pumper.</b>	
2.	<b>Identify the minimum water level of the static source.</b>	
3.	<b>Identify the maximum lift at the test site.</b>	
4.	<b>Identify the maximum priming time of the source pumper.</b>	
5.	Prime the pump.	
6.	Identify problems associated with a failure to prime the pump.	
7.	Communications established with attack pumper.	
8.	Open the correct discharge valve.	
9.	Adjust the throttle to the correct discharge pressure ____ within (+ or – 5 psi).	
10.	Set pressure control device.	
11.	Maintain pump prime without flow interruptions from attack pumper.	
12.	<b>Demonstrate shut down procedures.</b>	
13.	Monitor systems for overheating. Operate auxiliary cooling system (if applicable).	

**Proctor will state to the Candidate the Task Steps in bold type.**

\_\_\_\_\_  
**Proctor** (Print & Sign)

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



# DO-PUMPER

## JPR: DOP-14a

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.5</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK: Pump a supply line of 2 ½ in. or larger, given a relay pumping evolution the length and size of the line and the desired flow and intake pressure, so that the proper pressure and flow are provided to the next pumper in the relay.</b></p>
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**PERFORMANCE OUTCOME:** The driver /operator, given a static water source with \_\_\_\_\_ 10ft. section(s) of hard suction/supply line, connected to a fire department pumper, relay water using (1) one \_\_\_\_\_ inch supply line \_\_\_\_\_ ft. in length to a fire department attack pumper with \_\_\_\_\_ ft. elevation gain/loss flowing \_\_\_\_\_ gpm must calculate and pump the correct pump discharge pressure.

**Proctor must determine gain/loss prior to administering the exam**

**Safety: A safety violation is grounds for automatic failure. All proctors present shall review the safety violation.**

### Candidate Work Area

	<b>Write Answer</b>
PDP=	

Proctor (Print & Sign) \_\_\_\_\_

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



# DO-PUMPER

## JPR: DOP-14b

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

<p><b>STANDARD: 5.2.5</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Pump a supply line of 2 ½ in. or larger, given a relay pumping evolution the length and size of the line and the desired flow and intake pressure, so that the proper pressure and flow are provided to the next pumper in the relay.</p>	
<p>The driver/operator, given a static water source with _____ 10ft. section(s) of hard suction/supply line, connected to a fire department pumper, relay water using (2) two _____ inch supply lines _____ft. in length to a fire department attack pumper with _____ft. elevation gain/loss flowing _____ gpm must calculate and pump the correct pump discharge pressure.</p> <p><b><u>Proctor must determine gain/loss prior to administering the exam</u></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 pumper, 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.	<b>Identify the source and attack pumper.</b>	
2.	<b>Identify the minimum water level of the static source.</b>	
3.	<b>Identify the maximum lift at the test site.</b>	
4.	<b>Identify the maximum priming time of the source pumper.</b>	
5.	Prime the pump.	
6.	Identify problems associated with a failure to prime the pump.	
7.	Communications established with attack pumper.	
8.	Open the correct discharge valve.	
9.	Adjust the throttle to the correct discharge pressure _____ within (+ or – 5 psi).	
10.	Set pressure control device.	
11.	Maintain pump prime without flow interruptions from attack pumper.	
12.	<b>Demonstrate shut down procedures.</b>	
13.	Monitor systems for overheating. Operate auxiliary cooling system (if applicable).	

**Proctor will state to the Candidate the Task Steps in bold type.**

Proctor (Print & Sign) \_\_\_\_\_

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



# DO-PUMPER

## JPR: DOP-14b

### Candidate Work Sheet

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

<p><b>STANDARD: 5.2.5</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK: Pump a supply line of 2 ½ in. or larger, given a relay pumping evolution the length and size of the line and the desired flow and intake pressure, so that the proper pressure and flow are provided to the next pumper in the relay.</b></p>		
<p><b>PERFORMANCE OUTCOME:</b></p> <p>The driver/operator, given a static water source with _____ 10ft. section(s) of hard suction/supply line, connected to a fire department pumper, relay water using (2) two _____ inch supply lines _____ ft. in length to a fire department attack pumper with _____ ft. elevation gain/loss flowing _____ gpm must calculate and pump the correct pump discharge pressure.</p> <p><b><u>Proctor must determine gain/loss prior to administering the exam</u></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>			
<h3>Candidate Work Area</h3>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;"><b>Write Answer</b></td> </tr> <tr> <td style="padding: 10px;">PDP=</td> </tr> </table>		<b>Write Answer</b>	PDP=
<b>Write Answer</b>			
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Proctor (Print & Sign) \_\_\_\_\_

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



## DO-PUMPER

### JPR: DOP-15

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

<p><b>STANDARD: 5.2.4</b></p> <p><b>NFPA 1002, 2017</b></p> <p><b>General Requirements</b></p>	<p><b>TASK:</b> Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems.</p>	
<p><b>PERFORMANCE</b> The fire apparatus driver/operator, given a fire department pumper, shall demonstrate the procedure for restoring the pumper to service.</p> <p><b>OUTCOME:</b></p> <p style="padding-left: 40px;"><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 pumper, 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.	Insure that the apparatus water tank is full.	
2.	Reset pressure control devices.	
3.	Shift the transmission to neutral, allowing it to return to idle speed before disengaging the pump shift switch.	
4.	Open the pump drain (optional).	
5.	Load and secure all equipment.	
6.	Secure compartment doors.	

\_\_\_\_\_  
Proctor (Print & Sign)

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