



DRIVER/OPERATOR - PUMPER

NFPA Standard 1002, 2017 Edition, Chapter 5

Test Construction Guide

At a minimum, the practical examination will include skills selected from each category with a total of 8 Skill Sheets selected. The Test Control Officer will randomly select the prescribed number of Skill Sheets per category using the matrix below. The exam should be set up using at least three stations, with a different certified Evaluator at each station. It is expected that appropriate PPE shall be worn for all stations unless otherwise indicated within the Skill Sheet.

Note: Apparatus Equipment: If the Test Apparatus being used does not have any components listed on the skill sheet (i.e. equipment, on board generator) draw a line thru the skill step and write the word **"equipment"**. This rule will be in effect as not all Pumping Apparatus are configured the same. This will not count as a failure for the candidate

Driver Operator Minimum Job Performance Requirements

Skill Sheet	JPR	Tasks	Minimum Selection Required: (for total of 8 Skill Sheets selected)
Random Skills			
1.	4.2.1, 4.2.2, 5.1.1	General Skill Requirement: Perform Preventative Maintenance (Pre-Trip)	Select 4 Random Skill Sheets from this category
2.	4.3.1	General Skill Requirement: Drive a Fire Department Pumper	
3.	4.3.2	General Skill Requirement: Requirement: Back a pumper alley dock or station backing maneuver	
4.	4.3.3	General Skill Requirement: Driving Serpentine	
5.	4.3.4	General Skill Requirement: Driving Confined Space)	
6.	4.3.5	General Skill Requirement: Driving Diminishing Clearance	
7.	4.3.6	General Skill Requirement: Driving a Fire Pumper on a Simulated Response	
8.	4.3.7	General Skill Requirement: Perform Weekly Inspection	
Mandatory Skills			
9.	5.2.1	Fire Ground Operations: Respond on an Pumping Apparatus to an Emergency Scene	Select 4 Mandatory Skill Sheets from this category
10.	5.2.2	Fire Ground Operations: Operate in established work areas at Emergency Scene	
11.	5.2.3	Fire Ground Operations: Connect a fire department pumper to a water supply	
12.	5.2.4	Operations: Produce an effective fire stream to a hand line off water tank and connect to a pressurized source	
13.	5.2.4	Operations: Produce an effective fire stream to a hand line from a draft	
14.	5.2.5	Operations: Pump a supply for Relay	
15.	5.2.6	Operations: Produce Foam Fire stream	
16.	5.2.7	Operations: Supply water to a standpipe system	



**FIRE PROTECTION BUREAU
FIRE SERVICE CERTIFICATION
PO Box 42642
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DRIVER/OPERATOR - PUMPER

Candidate Name _____ **Skill Sheet** 1

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017	JPR: 4.2.1, 4.2.2, 5.1.1	SKILL AREA: General Skill Requirements: Preventative Maintenance			
TASK: The candidate shall perform, document, and complete daily routine tests, inspections, and servicing functions on specified systems and components so that the operational status of pumper is verified.					
CONDITIONS: Given a fire department pumping apparatus and the provided vehicle inspection checklist. Note: Candidate may use sample checklist or AHJ.					
PERFORMANCE OUTCOME: The ability to use hand tools, recognize system problems and correct any deficiency noted, with completed departmental forms, according to policies and procedures of Authority Having Jurisdiction.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Inspect and walk around apparatus as they approach, looking for signs of damage or leaks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Check that stepping surfaces and hand rails are clean, secure, and in good working order	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Check batteries for fluid level,(if applicable)corrosion, and tie downs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Check braking system fluid level or air pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Check coolant system for fluid levels, leaks, cleanliness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Check electrical system, including warning devices, headlights, running lights, turn signals, and warning lights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Check fuel level	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	Check hydraulic fluids for level and leaks (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Check engine oil for fluid level and leaks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	Check tires for air pressure and wear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	Check steering system excessive looseness	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.	Check engine belts for tightness and wear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.	Check tools, appliances, equipment, lighting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	Check windshield, wiper blades, and washer fluid level	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.	Start apparatus; monitor gauges and control devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.	Recognize system problems; document and correctly report any deficiencies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.	Check all exterior equipment for general condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18.	Check the hose bed for proper hose loading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Candidate Stop Safety: Yes <input type="checkbox"/>		Equipment Stop Safety: Yes <input type="checkbox"/>			

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DRIVER/OPERATOR - PUMPER

Evaluator/Candidate Comments _____

Retest Approved by _____

_____ Evaluator (Print & Sign)	_____ Candidate Signature	_____ Date
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Candidate Name _____ Skill Sheet 2

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 4.3.1		SKILL AREA: General Skill Requirement: Drive a Fire Department Pumper	
TASK: Drive a fire department pumper safely over a predetermined route on a public way.					
CONDITIONS: Given a fire department pumper and a predetermined route.					
PERFORMANCE OUTCOME: The candidate shall be able to drive a fire department pumper on a predetermined course.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Four left turns and four right turns	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	A straight section of urban street or rural two-lane road at least a mile in length	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	One through-intersection and two intersections where a stop has to be made	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	One railroad crossing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	One curve, either left or right	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	A section of limited-access highway that includes a conventional ramp entrance and exit and a section of road long enough to allow lane changes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	A down-grade steep enough and long enough to require downshifting and braking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	An up-grade steep enough and long enough to require gear changing to maintain speed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	One underpass or low clearance bridge or obstacle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	Correctly operate passenger restraint devices; wear seat belts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	Maintain safe following distances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.	Maintain control of vehicle while accelerating, decelerating, and turning (given road, weather, and traffic conditions)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.	Display ability to operate under adverse environmental or driving surface conditions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	Demonstrate proper use of automotive gauges	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Candidate Stop Safety: Yes <input type="checkbox"/>			Equipment Stop Safety: Yes <input type="checkbox"/>		

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Candidate Name _____ Skill Sheet 3

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 4.3.2		SKILL AREA: General Skill Requirements: Back a pumper alley dock or station backing maneuver	
TASK: Back a vehicle from a roadway into restricted space on both the right and left sides of the vehicles. (Alley Dock)					
CONDITIONS: Back a vehicle from a roadway into restricted space on both the right and left sides of the vehicles. (Alley Dock)					
PERFORMANCE OUTCOME: Back a vehicle from a roadway into restricted space on both the right and left sides of the vehicles. (Alley Dock)					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Adjust and use mirrors for backing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Driver/passenger(s) wearing seat belts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Spotter used to back apparatus safely	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Completed skill correctly without crossing over or striking cones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Driver spots apparatus within 12 inches of back wall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Candidate Stop Safety: Yes <input type="checkbox"/>			Equipment Stop Safety: Yes <input type="checkbox"/>		

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Candidate Name _____ Skill Sheet 4

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 4.3.3		SKILL AREA: General Skill Requirement: Driving Serpentine	
TASK: Maneuver fire department pumper around obstructions on a roadway while moving forward and in reverse. (Serpentine test)					
CONDITIONS: Given a fire department pumper, a spotter for safety while backing, cones, and a roadway with obstructions.					
PERFORMANCE OUTCOME: Maneuver a vehicle around obstructions on a roadway while moving forward and in reverse.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Adjust and use mirrors for backing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Driver/passenger wearing seat belts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Completed skill correctly without crossing over or striking cones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Candidate Stop Safety: Yes <input type="checkbox"/>			Equipment Stop Safety: Yes <input type="checkbox"/>		

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Candidate Name _____ Skill Sheet 5

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 4.3.4		SKILL AREA: General Skill Requirement: Driving Confined Space			
TASK: Maneuver fire department pumper around obstructions on a roadway while moving forward and in reverse. (Confined Space)							
CONDITIONS: Given a fire department pumping apparatus, a spotter for safety while backing, cones, and a roadway with obstructions.							
PERFORMANCE OUTCOME: Maneuver a vehicle around obstructions on a roadway while moving forward and in reverse.							
No.	TASK STEPS	FIRST TEST		RETEST			
		Pass	Fail	Pass	Fail		
1.	Adjust and use mirrors for backing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2.	Driver/passenger wearing seat belts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3.	Completed skill correctly without crossing over or striking cones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Candidate Stop Safety: Yes <input type="checkbox"/>			Equipment Stop Safety: Yes <input type="checkbox"/>				

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Candidate Name _____ Skill Sheet 6

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 4.3.5		SKILL AREA: General Skill Requirement: Driving Diminishing Clearance	
TASK: Maneuver a fire department pumper in areas with restricted horizontal and vertical clearances.					
CONDITIONS: Given a fire department pumper, cones, and a course that requires the candidate to move through an area of restricted horizontal and vertical clearance.					
PERFORMANCE OUTCOME: The candidate shall maneuver a fire department pumper in areas with restricted vertical and horizontal clearance so that no obstructions are struck.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Adjust and use mirrors for backing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Driver/passenger wearing seat belts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Completed skill correctly without crossing over or striking cones	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Candidate Stop Safety: Yes <input type="checkbox"/>			Equipment Stop Safety: Yes <input type="checkbox"/>		

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DRIVER/OPERATOR - PUMPER

Candidate Name _____ Skill Sheet 7

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 4.3.6		SKILL AREA: General Skill Requirements: Perform Simulated Emergency Response	
TASK: Drive a fire department pumper using defensive driving techniques under <u>simulated</u> emergency conditions, so that control of the vehicle is maintained.					
CONDITIONS: Given a fire department pumper and a predetermined route under simulated emergency conditions.					
PERFORMANCE OUTCOME: The candidate will safely complete the task operating the department pumper on a predetermined route provided by the Authority Having Jurisdiction.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Ensure vehicle is prepared for departure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Ensure all personnel are seated with safety belts fastened	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Utilize emergency lights and siren	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Enter traffic in a safe manner	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Use defensive driving techniques	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	a. Maintain safe following distances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Maintain control of vehicle while accelerating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Maintain control of vehicle while decelerating	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	d. Maintain control of vehicle while turning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	e. Maintain reasonable speed for prevailing conditions (environmental; driving surfaces; road, weather, and traffic conditions)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Bring apparatus to a safe stop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Proper use of automotive gauges	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Candidate Stop Safety: Yes <input type="checkbox"/>			Equipment Stop Safety: Yes <input type="checkbox"/>		

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DRIVER/OPERATOR - PUMPER

Candidate Name _____ **Skill Sheet** 8

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition	JPR: 4.2.1(2), 5.1.1	SKILL AREA: General Skill Requirements: General Inspection Preventative Maintenance			
TASK: Perform and document the readiness inspection of a fire department pumper					
CONDITIONS: Given a fire department pumping apparatus and using the provided inspection checklist.					
PERFORMANCE OUTCOME: The candidate shall conduct and document a readiness inspection. Use hand tools, recognize system problems and correct any deficiency noted, with completed departmental forms, according to policies and procedures of Authority Having Jurisdiction.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Check water tank for level and leaks in the system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Check foam tank for level and leaks (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Exercise pump valves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Check and clean intake strainer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Check pump gearbox for proper oil and traces of water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Chock wheels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Start apparatus and place apparatus in pump gear	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	Operate the pump primer with all pump valves closed (Note: vacuum reading)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Operate the changeover valve while operating from tank or other water source (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	Check packing glands for excessive leaks (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	Operate the pump pressure control device(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.	Check and operate all fixed systems and equipment (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	a. Generator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	b. Fixed lighting equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	c. Rescue equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	d. Gas-powered tools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	e. Air compressor/cascade system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	f. Other (AHJ items or equipment)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.	Recognize and correct system problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	Correct any deficiency noted according to policies and procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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NFPA STANDARD: 1002, 2017 Edition		JPR: 4.2.1(2), 5.1.1		SKILL AREA: General Skill Requirements: General Inspection Preventative Maintenance			
15.	Proper use of hand tools	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.	Document inspection and maintenance performed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Candidate Stop Safety: Yes <input type="checkbox"/>				Equipment Stop Safety: Yes <input type="checkbox"/>			

Evaluator/Candidate Comments _____

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Evaluator (Print & Sign)

Candidate Signature

Date

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DRIVER/OPERATOR - PUMPER

Candidate Name _____ Skill Sheet 9

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 5.2.1		SKILL AREA: Fire Ground Operations: Respond on an Pumping Apparatus to an Emergency Scene			
TASK: Respond on an pumper to an emergency scene.							
CONDITIONS: Given personal protective clothing and other necessary personal protective equipment, the candidate shall demonstrate the ability to:							
PERFORMANCE OUTCOME: The candidate shall be able to prepare to respond correctly in a fire department pumper and to correctly dismount at the emergency scene:							
No.	TASK STEPS	FIRST TEST		RETEST			
		Pass	Fail	Pass	Fail		
	MOUNTING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
1.	Mount fire apparatus using handrails and steps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2.	Close door, safety bar, gate to cab or compartment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3.	Sit, fasten seat belt, and notify driver	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4.	Correctly use hearing protection when present	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	DISMOUNTING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
1.	Wait for orders before leaving apparatus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2.	Ensure that vehicle is completely stopped before disconnecting restraints and preparing to leave apparatus, leave downstream or curb side if possible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3.	Look for any hazards before opening the door and stepping off vehicle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4.	Safely step from vehicle using handrails and steps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5.	Close door and ensure you are in an area protected from hazards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Candidate Stop Safety: Yes <input type="checkbox"/>		Equipment Stop Safety: Yes <input type="checkbox"/>					

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DRIVER/OPERATOR - PUMPER

Candidate Name _____ Skill Sheet **10**

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 5.2.2		SKILL AREA: Fire Ground Operations: Operate in established work areas at Emergency Scene			
TASK: Operate in an established work area at an emergency scene with high flow traffic.							
CONDITIONS: Given personal protective clothing, other necessary personal protective equipment, and traffic and scene control devices, the candidate shall demonstrate the ability to:							
PERFORMANCE OUTCOME: The candidate shall be able to operate in a high traffic environment so that procedures are followed, personal protective clothing is worn, a protective work area is established, and traffic is controlled.							
No.	TASK STEPS	FIRST TEST		RETEST			
		Pass	Fail	Pass	Fail		
1.	Wear all personal protective clothing necessary for working in a traffic area and wear a Class III vest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2.	Establish a one lane taper 75 – 100 foot in length from the blocking apparatus upstream using cones and/or flares (must first check area for flammable material before using flares)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3.	Establish a working zone downstream from the blocking apparatus using cones and/or flares (NOTE: must first check area for flammable material before using flares)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4.	Always face approaching traffic when working upstream of the blocking apparatus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5.	Demonstrate the ability to direct the movement of traffic at the scene of the incident	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6.	Always face approaching traffic when picking up the traffic control devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7.	Wear all personal protective clothing necessary for working in a traffic area. and wear a Class III vest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Candidate Stop Safety: Yes <input type="checkbox"/>			Equipment Stop Safety: Yes <input type="checkbox"/>				

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DRIVER/OPERATOR - PUMPER

Candidate Name _____ Skill Sheet 11

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 5.2.3		SKILL AREA: Fire Ground Operations: Connect a fire department pumper to a water supply	
TASK: Connect a fire department pumper to a water supply. Use Fire Hydrant					
CONDITIONS: Given a hydrant, supply hose, hydrant tools, necessary adaptors, hose tools, and in full protective clothing (SCBA at evaluator option), the candidate shall demonstrate the ability to:					
PERFORMANCE OUTCOME: The candidate, while operating at a simulated structure fire, shall be able to properly connect a supply hose to a hydrant and furnish water to a pumper.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Connect supply hose to hydrant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Insure supply hose connected to pump intake or hose is clamped	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Flake hose to reduce kinks when charged	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Fully open hydrant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Remove kinks from charged hose	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	At end of operation, fully close the hydrant	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Place all equipment and hydrant in a ready condition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Candidate Stop Safety: Yes <input type="checkbox"/>			Equipment Stop Safety: Yes <input type="checkbox"/>		

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DRIVER/OPERATOR - PUMPER

Candidate Name _____ **Skill Sheet** 12

IFSAC ID _____ **Date** _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 5.2.4		SKILL AREA: Operations: Produce an effective fire stream to a hand line			
TASK: Using a fire department pumping apparatus, produce an effective fire stream to a hand line utilizing internal water tank supply and transition to a pressurized water supply.							
CONDITIONS: Given a fire department pumping apparatus and assistants to assist with the hydrant and the hose lines. Supply line should be 2 ½" or larger.							
PERFORMANCE OUTCOME: The fire apparatus driver/operator shall demonstrate pump operations for supplying a pre-connected attack line.							
No.	TASK STEPS	FIRST TEST		RETEST			
		Pass	Fail	Pass	Fail		
1.	Candidate calculates appropriate discharge pressure, + or – 10 psi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2.	Driver/passengers wearing seat belts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3.	Stop at hydrant, even with or slightly beyond (within 10 feet)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4.	Upon signal from hydrant person, proceed to fire at a reduced speed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5.	Stops apparatus, set brake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6.	Engage pump	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7.	Chock wheels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8.	Properly clamp supply hose until needed (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9.	Open tank to pump valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10.	Place transfer valve in volume pressure (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11.	Check attack line for placement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12.	Open to correct discharge and fill attack line	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
13.	Gradually develop Pump Discharge Pressure in attack line	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
14.	Set relief valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
15.	Make supply line connection to intake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
16.	Release clamp or signal for water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
17.	Transition from tank water to hydrant supply	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
18.	Monitor discharge pressure and refill booster tank (if possible)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

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DRIVER/OPERATOR - PUMPER

NFPA STANDARD: 1002, 2017 Edition		JPR: 5.2.4		SKILL AREA: Operations: Produce an effective fire stream to a hand line			
19.	Complete skill in a safe manner and without creating a water hammer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20.	Monitor system for overheating and operate auxiliary cooling systems (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Candidate Stop Safety: Yes <input type="checkbox"/>				Equipment Stop Safety: Yes <input type="checkbox"/>			

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DRIVER/OPERATOR - PUMPER

Candidate Name _____ Skill Sheet 13

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 5.2.4		SKILL AREA: Operations: Produce an effective fire stream to a hand line from a draft	
TASK: Produce an effective fire stream to a hand line or master stream from a static source.					
CONDITIONS: Given a fire department pumping apparatus and hose and 2 ½" or greater supply line and water source.					
PERFORMANCE OUTCOME: The candidate shall demonstrate pump operations (<u>from a draft</u>) for supplying a pre-connected attack line or master stream.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Candidate calculates the correct discharge pressure + or- 10 psi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Driver/passengers wearing seat belts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Position apparatus at draft location (static source)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Stop apparatus, set parking brake	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Chock wheels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Connect sections of hard suction hose together	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Connect strainer to hard suction hose, attach rope, place ladder into static water source if necessary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	Connect suction hose to apparatus; tighten all connections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Lower hose into static source	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	Engage pump	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	Prime pump	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.	Check attack line for placement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13.	Open correct discharge and fill attack line from static source	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14.	Gradually develop pump discharge pressure in hose line(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15.	Set relief valve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.	Operate water tank fill while drafting to refill water tank (if possible)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17.	Monitor discharge pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18.	Monitor system for overheating and operate auxiliary cooling systems (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19.	Complete skill in a safe manner without creating a water hammer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Candidate Stop Safety: Yes <input type="checkbox"/>		Equipment Stop Safety: Yes <input type="checkbox"/>			

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DRIVER/OPERATOR - PUMPER

Candidate Name _____ Skill Sheet 14

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 5.2.5		SKILL AREA: Operations: Pump a supply for Relay	
TASK: Pump a supply line of 2 ½" or greater so that the correct pressure and flow are provided to the next pumper in the relay.					
CONDITIONS: Given two fire department pumpers, 2 ½" inch or larger supply line, and a water source.					
PERFORMANCE OUTCOME: The candidate shall be able to pump a supply line to another pumper.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Connect relay pumper to attack pumper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Relay pumper lays supply line from attack pumper to water supply	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Connect all hose lines	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Relay Pumper: a. When connections are complete, increase pressure using throttle b. Increase pressure by opening throttle c. Open throttle until desired pump pressure is reached d. Switch from pressure to volume mode (multi-stage pumps only) e. Ensure largest pump capacity at hydrant or static water source	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Attack pumper: a. When water reaches the attack pumper, open intake valve b. Adjust throttle for increase in intake pressure c. Fill tank (if possible) d. Close tank-fill valve e. Close tank-to-pump valve f. Adjust throttle for proper pump pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Relay pumper increases pressure as required to maintain desired intake pressure at attack pumper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Shut down in reverse order	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Candidate Stop Safety: Yes <input type="checkbox"/>		Equipment Stop Safety: Yes <input type="checkbox"/>			

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DRIVER/OPERATOR - PUMPER

Candidate Name _____ Skill Sheet 15

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 5.2.6		SKILL AREA: Operations: Produce Foam Fire stream			
TASK: Produce a foam fire stream so that properly proportioned foam is delivered. (Use the competency that is appropriate for the type of foam equipment that the agency has.)							
CONDITIONS: Given a fire department pumping apparatus, foam concentrate, foam eductors or apparatus mounted foam system, foam nozzle and other related equipment, hose line, and a hose team.							
PERFORMANCE OUTCOME: The candidate shall demonstrate the ability to operate foam-proportioning equipment, connect foam stream equipment, and produce an effective fire stream supplied with foam.							
No.	TASK STEPS	FIRST TEST		RETEST			
		Pass	Fail	Pass	Fail		
1.	Assemble a foam layout, appropriate for the type of foam being used, with an eductor or proportioner connected according to manufacturer's specifications (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2.	Set concentrate percentage on eductor (or proportioner) for specific foam application	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3.	Set appropriate pump pressure for foam layout	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4.	Deliver properly proportioned foam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5.	Clean/flush system when skill is complete; identify proper cleaning or flushing procedures for equipment utilized per manufacturer's recommendations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Candidate Stop Safety: Yes <input type="checkbox"/>			Equipment Stop Safety: Yes <input type="checkbox"/>				

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DRIVER/OPERATOR - PUMPER

Candidate Name _____ Skill Sheet 16

IFSAC ID _____ Date _____

NFPA STANDARD: 1002, 2017 Edition		JPR: 5.2.7		SKILL AREA: Operations: Supply water to a standpipe system	
TASK: Supply water to a fire department standpipe /sprinkler system, given specific system information and a fire department pumper, so that water is supplied to the system at the correct volume and pressure.					
CONDITIONS: Given a fire department pumping apparatus, fire department connection, supply hose, and a hydrant or static source.					
PERFORMANCE OUTCOME: The driver/operator shall supply appropriate pressure based on needed fire flow.					
No.	TASK STEPS	FIRST TEST		RETEST	
		Pass	Fail	Pass	Fail
1.	Driver/passengers wearing seat belts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	Position and stop apparatus, set brake and chock wheels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	Make connection to the building's standpipe/sprinkler system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	Engage pump (select volume, if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	Candidate calculates correct discharge pressure, + or – 5 psi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	Open to correct discharge(s) and fill standpipe supply line(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7.	Make supply line connection from water source to apparatus intake (select water supply hydrant or static source)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8.	Transition from internal water tank supply to external water supply (Note: Demonstrate hydrant and static source water supplies)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	Gradually develop pump discharge pressure in supply line(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	Set relief valve and monitor discharge pressure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11.	Monitor system for overheating and operate auxiliary cooling systems (if applicable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Overall Skill Sheet Score		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Candidate Stop Safety: Yes <input type="checkbox"/>		Equipment Stop Safety: Yes <input type="checkbox"/>			

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