

CDC 10028W

Driver/Operator - Mobile Water Supply

Performance Test



**Extension Course Program (A4L)
Air University
Air Education and Training Command**

Acknowledgement

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Performance Test Instructions

This performance test provides detailed performance checklist items for candidate testing. Performance tests should not be conducted until the candidate has successfully completed the academic portion of the CDC. However, it is strongly encouraged that this supplement and the checklist it contains be used during the normal course of study. Candidates may practice the performance tests at anytime during study and up until performance testing is conducted. Practice is highly encouraged.

This particular course uses three workstations. Within each workstation there are several tasks and objectives (NFPA line items). A "Performance Summary Sheet" precedes each workstation or group of evaluated tasks. This sheet lists the NFPA line items evaluated and the specific tasks that must be accomplished. Each performance test lists the setting and tools/equipment required for the listed tasks.

Remember, official performance test notifications must be made ten days prior to the actual performance test or the candidate's performance test results will not be accepted by the DoD Administrative Center. For specific program guidance see DoD Manual 6055.6. Your performance test notifications must be made using the following web site. <http://www.dodffcert.com/performance/notify.cfm>

It is important also to understand the grading process used during the evaluation. For a full overview of the CDC process and performance testing please view the *Department of Defense Firefighter Certification Program Video* P/N # 612888. Additional information on grading criteria is provided on the next page.

Grading Criteria

The following criteria will be used to evaluate and determine the pass/fail status of a candidate. Each item in the Performance Test Checklist is given a rating.

Critical (C) - This rating has been assigned to items which, if omitted or performed incorrectly, would result in severe injury to, or death of an individual. Should a fire fighter fail to perform any one item rated as Critical (**C**), the fire fighter would be unsuccessful in attaining the required proficiency level for that performance test.

Major (M) - This rating has been given to any item which is very important to the general safety of personnel and the successful completion of the evolution. Should a fire fighter fail to perform any three items rated as Major (**M**), the fire fighter would be unsuccessful in attaining the required proficiency level for that performance test.

General - This rating although there is not symbol, has been given to all remaining items that in combination are relevant to the successful completion of the evolution. Should a fire fighter fail to perform any **four** items rated as General, the fire fighter would be unsuccessful in attaining the required proficiency level for that performance test.

Should a fire fighter fail to perform any combination of Major or General rated items resulting in a sum total of **four**, the fire fighter would be unsuccessful in attaining the required proficiency level for that performance test.

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Skills Test 1 – Pre-Operations Station

Performance Test Summary Sheet

Objectives: NFPA Standard 1002, Chapter 4, Paragraphs 4.2.1 and 4.2.2
NFPA Standard 1002, Chapter 5, Paragraph 5.1.1
NFPA Standard 1002, Chapter 10, Paragraph 10.1.1

- Tasks:**
1. Conduct and document routine tests, inspections, and servicing functions.
 2. Conduct pump service tests (if applicable) to include:
 - a. Engine speed check
 - b. Vacuum test
 - c. Priming test
 - d. Pumping test
 - e. Pressure control test
 - f. Gauge and flow meter test
 - g. Tank to pump flow rate test

1. Pre-Operations

Performance Test Item – Inspections

Personnel Classification: Driver/Operator - Mobile Water Supply

Objective: NFPA Standard 1002, Chapter 4, Paragraphs 4.2.1 and 4.2.2
NFPA Standard 1002, Chapter 10, Paragraph 10.1.1

Task: Conduct and document routine tests, inspections, and servicing functions.

Setting: Fire department vehicle stalls, ramps or training areas.

Tools Equipment: Fire department mobile water supply apparatus; local service records, forms and apparatus history card.

Attainment Standard: Successfully complete all elements/steps within 60 minutes.

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Identify and explain the use of the fire apparatus record (if applicable)	1. In accordance with (IAW) <u>IFSTA Pumping Apparatus Driver/Operator Handbook</u> and local policies and procedures A. Tracked vital information such as pump, engine, and capacities	_____	_____
2. Identify and explain the use of the history record (if applicable)	2. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook</u> and local policies and procedures A. Recorded basic service information including condition of body, pump, engine hours, road mileage, etc.	_____	_____
3. Identify and explain the use of the fire apparatus maintenance and inspection forms (In addition to the following, checklists and inspections in the applicable technical order must be accomplished).	3. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook</u> and local policies and procedures A. Identified and explained the use of fire apparatus maintenance and inspection forms	_____	_____
4. Demonstrate the procedure for inspecting all apparatus components	4. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook</u> and local policies and procedures, inspected:		
A. Inside driver compartment B. Outside the vehicle C. Engine compartment D. Fire pump E. Water tank F. Foam tank/system G. Rapid dump system H. Tools and Equipment	A. Inside driver compartment 1. Checked all apparatus controls and gauges 2. Checked fuel levels and filled as needed 3. Checked all interior lights 4. Checked horn 5. Checked mirrors	_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
	6. Checked public address system and radio	_____	_____
	7. Checked audible and visual warning devices	_____	_____
	8. Tested brake pressure by operating the foot pedal	_____	_____
	9. Checked windshield wipers	_____	_____
	10. Checked map case	_____	_____
	11. Inspected seats for tears and adjustability	_____	_____
	12. Checked seatbelts for operation and wear	_____	_____
	13. Checked emergency and parking brakes	_____	_____
	14. Checked circuit breakers and/or fuses (if applicable)	_____	_____
	15. Checked steering wheel adjustment and reaction	_____	_____
	16. Checked heat and air conditioner operation	_____	_____
	17. Checked clutch pedal (if applicable)	_____	_____
A. Inside driver compartment			
B. Outside the vehicle	B. Outside the vehicle		
C. Engine compartment			
D. Fire pump			
E. Water tank	1. Checked body panel for rust, dents or exposed areas needing touch up paint	_____	_____
F. Foam tank/system			
G. Rapid dump system	2. Checked tires for proper inflation	_____	_____
H. Tools and Equipment			

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
	3. Checked wheel lugs for tightness	_____	_____
	4. Checked all exterior lights for operation and damage	_____	_____
	5. Checked circuit breakers and/or fuses (if applicable)	_____	_____
	6. Checked weather seals around cab and compartment doors for looseness, damage and deterioration	_____	_____
	7. Inspected windows for cracks or discoloration	_____	_____
	8. Checked battery terminals and cleaned as needed	_____	_____
	9. Checked battery cables for loose connections	_____	_____
	10. Checked electrolyte level and added water as needed	_____	_____
	11. Checked for fuel or oil leaks	_____	_____
A. Inside driver compartment			
B. Outside the vehicle			
C. Engine compartment	C. Engine compartment		
D. Fire pump			
E. Water tank	1. Checked all drive belts for wear or defects; adjusted as needed	_____	_____
F. Foam tank/system			
G. Rapid dump system	2. Checked coolant overflow reservoir for leaks and filled as needed	_____	_____
H. Tools and Equipment			
	3. Checked cooling fan, cooling system hoses, and the radiator	_____	_____

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
	4. Checked coolant level, color, and cleanliness and filled as needed	_____	_____
	5. Checked all oil levels; checked for leaks on engine and drive train	_____	_____
	6. Checked all hydraulic fluid levels; checked for leaks	_____	_____
	7. Checked brake/master cylinder fluid level and filled it as needed (if applicable)	_____	_____
	8. Checked power steering reservoir and filled it as needed (if applicable)	_____	_____
	9. Checked the automatic transmission fluid level, both cold and hot	_____	_____
	10. Checked the air filter restriction gauge	_____	_____
	11. Checked the windshield washer fluid level	_____	_____
	12. Checked any exposed wiring for breaks, loose connections, and insulation frays	_____	_____
	13. Checked the emergency shutdown for proper operation	_____	_____
	14. Checked the exhaust system for leaks and damage	_____	_____
	15. Checked the air system for leaks with the air system and the engine shut off	_____	_____

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
	16. Checked the fuel filter for fuel/water separation and leaks/damage	_____	_____
A. Inside driver compartment			
B. Outside the vehicle			
C. Engine compartment			
D. Fire pump	D. Fire Pump (if applicable)		
E. Water tank			
F. Foam tank/system	1. Opened all pump drains and flushed sediment	_____	_____
G. Rapid dump system			
H. Tools and Equipment	2. Checked and cleaned intake strainers	_____	_____
	3. Checked pump gear box for proper oil level and traces of water	_____	_____
	4. Operated pump primer with all pump valves closed	_____	_____
	5. Operated changeover valve while pumping from booster tank (applies to two-stage pumps only)	_____	_____
	6. Operated all valves, including the relief valve	_____	_____
	7. Checked all other pump panel instruments for proper operation	_____	_____
	8. Operated valves in auxiliary cooling system	_____	_____

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
<ul style="list-style-type: none"> A. Inside driver compartment B. Outside the vehicle C. Engine compartment D. Fire pump E. Water tank F. Foam tank/system G. Rapid dump system H. Tools and Equipment 	<p>E. Water Tank</p> <ul style="list-style-type: none"> 1. Filled water tank to capacity 2. Checked inside surface for corrosion and cleanliness 3. Checked water tanks for leaks 	<p>_____</p> <p>_____</p> <p>_____</p>	<p>_____</p> <p>_____</p> <p>_____</p>
<ul style="list-style-type: none"> A. Inside driver compartment B. Outside the vehicle C. Engine compartment D. Fire pump E. Water tank F. Foam tank/system G. Rapid dump system H. Tools and Equipment 	<p>F. Foam Tank/System (if applicable)</p> <ul style="list-style-type: none"> 1. Filled foam tank to capacity 2. Checked foam tank for leaks 3. Tested the accuracy of the foam proportioning system per manufacturer's guidance 	<p>_____</p> <p>_____</p> <p>_____</p>	<p>_____</p> <p>_____</p> <p>_____</p>
<ul style="list-style-type: none"> A. Inside driver compartment B. Outside the vehicle C. Engine compartment D. Fire pump E. Water tank F. Foam tank/system G. Rapid dump system H. Tools and Equipment 	<p>G. Rapid Dump System (if applicable)</p> <ul style="list-style-type: none"> 1. Inspected and tested per manufacturer's guidance 	<p>_____</p>	<p>_____</p>

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
<ul style="list-style-type: none"> A. Inside driver compartment B. Outside the vehicle C. Engine compartment D. Fire pump E. Water tank F. Foam tank/system G. Rapid dump system 	H. Tools and Equipment		
	1. Checked portable extinguishers-weighed and checked gauge	_____	_____
	2. Checked hose loads for correct finishes	_____	_____
	3. Inventoried all nozzles and appliances	_____	_____
	4. Checked pressure in all SCBA cylinders	_____	_____
	5. Inspected SCBA regulators and face pieces	_____	_____
	6. Checked all hand lights	_____	_____
	7. Checked and operated all power tools	_____	_____
	8. Checked all hand tools	_____	_____

1. Pre-Operations

Performance Test Item – Fire Pump Service Tests

Personnel Classification: Driver/Operator - Mobile Water Supply

Objective: NFPA Standard 1002, Chapter 5, Paragraph 5.1.1
NFPA Standard 1002, Chapter 10, Paragraph 10.1.1

Task: Conduct mobile water supply apparatus pump service tests (if applicable)

1. Engine speed check
2. Vacuum test
3. Prepare for remaining tests
4. Priming test
5. Pumping test
6. Pressure Control test
7. Discharge Pressure Gauge test
8. Tank-to-Pump Flow Rate test

Note: This performance test is not required if your department's mobile water supply apparatus does not have a fire pump. Follow all manufacturer recommendations for your department's apparatus.

Setting: Fire Department training ground or drafting site.

Tools

- Equipment:**
1. Mobile Water Supply Apparatus
 2. Deluge gun
 3. Intake pressure gauge in inches Hg from 0 to 30
 4. Discharge pressure gauge from 0 to 400 psi
 5. Pitot tube with knife edge and air chamber
 6. Smoothbore tips of the sizes to match the volume pumped for different tests
 7. Rope, chains for securing test nozzles, and test stand
 8. Flow tables
 9. NFPA 1911 or localized test record forms

Attainment Standard: Successfully complete all elements/steps within 60 minutes.

Note: This performance task sheet is an evaluation tool only. Follow pump test procedures listed in the NFPA 1911 as well as the IFSTA Pumping Apparatus Driver/Operator Handbook.

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Engine speed check	1. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus</u> , and local policies/procedures		
	A. Ensured the water tank was empty	_____	_____
	B. On a closed road circuit or open highway, brought the apparatus up to maximum speed	_____	_____
	C. Recorded speed and rpm	_____	_____
	D. Brought apparatus back down to normal operating speed – test complete	_____	_____
	E. Compared figures with those when the apparatus was new	_____	_____
	F. Documented any difference and noted cause(s) (this may require mechanic analysis)	_____	_____
2. Conduct a vacuum test	2. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus</u> , and local policies/procedures		
	A. Drained the pump	_____	_____
	B. Inspected the gaskets	_____	_____
	C. Cleaned foreign matter from hose as necessary	_____	_____
	D. Connected hard suction hose to pump intake connection	_____	_____

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
	E. Checked that all intake valves were opened and capped the hard suction hose	_____	_____
	F. Closed all discharge valves	_____	_____
	G. Connected vacuum gauge	_____	_____
	H. Made the pump packing glands accessible for checking (by raising the floorboards or opening the compartment doors)	_____	_____
	I. Checked and filled priming pump reservoir as needed	_____	_____
	J. Operated primer to develop 22 inches of mercury	_____	_____
	K. Compared compound and test gauge and recorded the differences	_____	_____
	L. Listened for air leaks. (Vacuum loss should be no more than 10 inches in 10 minutes)	_____	_____
3. Prepare for remaining tests	3. <u>IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus</u> and local policies/procedures		
	A. Opened a discharge valve to relieve vacuum in pump	_____	_____
	B. Removed a suction cap and replaced it with strainer	_____	_____
	C. Attached a rope to the strainer	_____	_____
	D. Lowered hard suction hose into the water and tied off the rope	_____	_____
	E. Connected test gauge to test the		

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
	fitting on pump panel	___	___
	F. Connected hoses to discharge side of pump and deluge gun	___	___
	G. (M) Secured deluge gun	___	___
	H. Connected test gauges and flow meter (if used)	___	___
4. Conduct a priming test	4. IAW <u>Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus</u> , and local policies and procedures		
	A. Timed test from the start of priming until water flowed from priming device	___	___
	1. Closed all drains, valves, and petcocks	___	___
	2. Placed transfer valve in VOLUME position (if applicable)	___	___
	3. Placed pump in gear	___	___
	4. Activated primer and timer	___	___
	5. Stopped time when the water discharged onto the ground	___	___
	6. Increased engine rpm to develop pump pressure	___	___
	7. Slowly opened discharge valves	___	___
	8. Operated the pump at moderate capacity and pressure	___	___

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
5. Conduct a pumping test	5. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook</u> , <u>NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus</u> and local policies and procedures		
	A. Gradually sped up the pump until the net pump discharge pressure was 150 psi (100% capacity), adjusted for altitude and hose friction loss	_____	_____
	B. Checked the flow at the nozzle, using a pitot gauge or a flowmeter (if applicable)	_____	_____
	C. Verified both the pump discharge pressure and the volume flowing were satisfactory (test now began)	_____	_____
	D. Noted the following readings at the beginning and at 5-minute intervals until 20 minute test was completed.	_____	_____
	1. Pump discharge pressure	_____	_____
	2. Nozzle pressure (or flow)	_____	_____
	3. Engine rpm (tachometer or a portable rpm counter)	_____	_____
	4. Rpm	_____	_____
	5. Engine coolant temperature (optional)	_____	_____
	6. Oil pressure (optional)	_____	_____
	7. Automatic transmission fluid temperature (optional)	_____	_____

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
	E. Upon completion of the 20 minute capacity test increased net pump discharge pressure to 200 psi (70% of capacity)	_____	_____
	F. Conducted 200 psi test for 10 minutes and recorded applicable readings (see item D)	_____	_____
	G. Upon completion of the 10 minute 200 psi test increased net pump discharge pressure to 250 psi (50% of capacity).	_____	_____
	H. Conducted the 250 psi test for 10 minutes and recorded applicable readings (see item D).	_____	_____
6. Conduct a pressure control test	6. <u>IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus</u> and local policies and procedures		
	A. Continued to pump at capacity	_____	_____
	B. Set pressure control device to maintain discharge at 150 psi	_____	_____
	C. Slowly closed all discharge valves	_____	_____
	D. Rise in discharge pressure did not exceed 30 psi	_____	_____
	E. Slowly reopened all discharge valves to discharge at 150 psi	_____	_____
	F. Reduced the pumping engine throttle	_____	_____
	G. Set pressure control device to maintain discharge pressure at 90 psi	_____	_____

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
	H. Closed all discharge valves slowly	_____	_____
	I. Rise in discharge pressure did not exceed 30 psi	_____	_____
	J. Slowly reopened all discharge valves to discharge at 150 psi	_____	_____
	K. Reduced the pumping engine throttle	_____	_____
	L. Set pressure control device to maintain discharge at 250 psi	_____	_____
	M. Closed all discharge valves slowly	_____	_____
	N. Rise in discharge pressure did not exceed 30 psi	_____	_____
7. Discharge pressure gauge test	7. <u>IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus</u> and local policies and procedures		
	A. Disconnected preconnects and capped all the discharges	_____	_____
	B. Opened each discharge valve slightly	_____	_____
	C. Increased the throttle until the discharge pressure gauge reached 150 psi	_____	_____
	D. Checked test gauge, master discharge gauge, and discharge gauge	_____	_____
	E. Performed check at 200 psi and 250 psi	_____	_____

1. Pre-Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
8. Tank-to-pump flow rate	8. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus</u> and local policies/procedures		
	A. Filled water tank-overflowing	_____	_____
	B. Closed all pump intakes	_____	_____
	C. Closed tank fill and bypass cooling lines	_____	_____
	D. Connected nozzles & hoselines for anticipated flow rate	_____	_____
	E. Opened tank-to-pump and discharge valve for connected hoselines fully	_____	_____
	F. Throttled engine to maximum consistent pressure reading is obtained on the discharge pressure gauge (left in this position during item "g")	_____	_____
	G. Closed discharge valve, without changing throttle setting, and refilled water tank	_____	_____
	H. Reopened discharge valve and checked flow through the nozzle utilizing a pitot tube or flowmeter (if applicable). Adjusted engine throttle if the pressure needed to be brought back to the amount determined in step "F"	_____	_____
	I. Compared flow rate to the rate designated by manufacturer when apparatus was new or as established in previous testing	_____	_____

2. Driving

Skills Test 2 – Driving Station

Performance Test Summary Sheet

Objectives: NFPA Standard 1002, Chapter 4, Paragraphs 4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.3.6 and 4.3.7

Tasks: Drive fire department mobile water supply apparatus:

1. Predetermined route on public roadway
2. Restricted space backing (alley dock exercise)
3. Maneuver around obstacles (serpentine exercise)
4. 180 degree turn-around (confined space turn-around)
5. Diminishing clearance
6. Defensive driving (lane change)
7. Operate vehicle fixed systems and equipment

Performance Test Item – Pre-Determined Driving Course

Personnel Classification: Driver/Operator - Mobile Water Supply

Objective: NFPA Standard 1002, Chapter 4, Paragraphs 4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.3.6 and 4.3.7

Task: Drive a fire department Mobile Water Supply Apparatus.

Setting: Predetermined driving course, fire department training ground or other suitable area for driving course set up.

Tools Equipment: MWS apparatus, cones, ruler, and scorecard.

Attainment Standard: Completion of all elements/steps within 30 minutes.

2. Driving

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Drive a predetermined course	1. IAW <u>IFSTA Pumping Apparatus Driver /Operator Handbook</u> and <u>NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u>		
	A. Made 4 left turns	_____	_____
	1. Activated left signal turn	_____	_____
	2. Checked the side and rear view mirrors	_____	_____
	3. Moved vehicle to left lane when necessary	_____	_____
	4. Checked for oncoming traffic	_____	_____
	5. Checked to see if side street or road is clear	_____	_____
	6. Made safe left turns	_____	_____
	B. Made 4 right turns	_____	_____
	1. Activated right turn signal	_____	_____
	2. Checked side and rear view mirrors	_____	_____
	3. Moved to right lane when necessary	_____	_____
	4. Checked for oncoming traffic	_____	_____
	5. Checked to see if side street or road is clear	_____	_____
	6. Made safe right turns	_____	_____
	C. Drove straight section of road or highway	_____	_____
	1. Maintained vehicle speed	_____	_____

2. Driving

ELEMENTS/STEPS	STANDARDS	YES	NO
	2. Checked for oncoming traffic	___	___
	3. Checked side and rear view mirrors	___	___
	4. Checked side streets or roads	___	___
D.	Passed through one intersection	___	___
	1. Approached intersection with caution	___	___
	2. Checked traffic – left, right, and left again	___	___
	3. Safely proceeded through the intersection	___	___
E.	Passed through two intersections with stop	___	___
	1. Approached intersection with caution	___	___
	2. Brought the vehicle to a complete stop	___	___
	3. Checked traffic – left, right, and left again	___	___
	4. Safely proceeded through the intersection	___	___
F.	Railroad crossing	___	___
	1. Approached crossing with caution	___	___
	2. Checked tracks – left and right	___	___
	3. Stopped when necessary	___	___
	4. Proceeded across tracks when safe to do so	___	___

2. Driving

ELEMENTS/STEPS	STANDARDS	YES	NO
G. Curve in highway – right or left		_____	_____
	1. Slowed vehicle before entering curve	_____	_____
	2. Adjusted speed as required	_____	_____
	3. Maintained safe control of vehicle	_____	_____
H. Entered limited access highway		_____	_____
	1. Checked traffic while on entrance ramp	_____	_____
	2. Adjusted speed of vehicle to match flow of traffic	_____	_____
	3. Activated turn signal	_____	_____
	4. Checked side and rear view mirrors	_____	_____
	5. Moved vehicle from acceleration lane to highway safely	_____	_____
I. Changed lanes on limited access highway		_____	_____
	1. Activated turn signal	_____	_____
	2. Checked side and rear view mirrors	_____	_____
	3. Safely completed lane change	_____	_____
J. Exited limited access highway		_____	_____
	1. Activated turn signal	_____	_____
	2. Checked side and rear view mirrors	_____	_____

2. Driving

ELEMENTS/STEPS	STANDARDS	YES	NO
	3. Safely completed lane change	___	___
	4. Activated turn signal when exit was in sight	___	___
	5. Moved vehicle into deceleration lane	___	___
	6. Slowed vehicle and exited safely	___	___
	K. Downgrade	___	___
	1. Downshifted before entering grade	___	___
	2. Made sure vehicle remained in gear	___	___
	3. Used brakes and lower gears	___	___
	4. Limited engine rpm – below redline	___	___
	L. Upgrade	___	___
	1. Did not allow engine rpm to drop below minimum	___	___
	2. Automatic transmission downshifted automatically	___	___
	3. Downshifted standard transmission to maintain engine rpm and speed	___	___
	M. Underpass or low clearance	___	___
	1. Approached with caution	___	___
	2. Checked to see if underpass height is marked	___	___

2. Driving

ELEMENTS/STEPS	STANDARDS	YES	NO
	3. Stopped and looked if height was not marked	_____	_____
	4. Proceeded only when sure it was safe to do so	_____	_____
2. Back vehicle into a restricted space (alley dock exercise)	2. <u>IAW IFSTA Pumping Apparatus Driver/Operator Handbook</u> and <u>NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u>		
	A. Passed the "barricades" marking the loading dock on the left.	_____	_____
	B. Backed apparatus by a left turn into the marked loading dock	_____	_____
	C. Came to a complete stop in a smooth and safe manner	_____	_____
	D. Stopped where and when directed	_____	_____
	E. Used spotters when backing	_____	_____
	F. Completed exercise without pulling forward	_____	_____
	G. Completed exercise without striking obstructions	_____	_____
	H. Repeated steps a through g with the dock on the right	_____	_____
3. Maneuver around obstacles (serpentine exercise)	3. <u>IAW IFSTA Pumping Apparatus Driver/Operator Handbook</u> and <u>NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u>		
	A. Drove apparatus along the left side of the markers in a straight line and stopped just beyond the last barrel/cone	_____	_____

2. Driving

ELEMENTS/STEPS	STANDARDS	YES	NO
	B. Backed the apparatus between the markers by passing to the left of #1, to the right of #2, and to the left of #3 and stop beyond the last barrel/cone using spotters	_____	_____
	C. Drove the vehicle forward and to the right of #3, left of #2, and right of #1	_____	_____
4. Turn vehicle 180 degrees (confined space turn-around)	4. <u>IAW IFSTA Pumping Apparatus Driver/Operator Handbook and NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u>		
	A. Pulled into a designated area through opening	_____	_____
	B. Made a U-turn by maneuvering vehicle	_____	_____
	C. Backed up at least once using spotters	_____	_____
	D. Exited area through same opening	_____	_____
5. Diminishing clearance horizontal and vertical clearances	5. <u>IAW IFSTA Pumping Apparatus Driver/Operator Handbook and NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u>		
	A. Proceeded from wide to narrow end	_____	_____
	B. Did not touch markers	_____	_____
	C. Stopped with front bumper on the finish line	_____	_____
	D. Came to a complete stop in a smooth and safe manner	_____	_____
	E. Stopped when and where directed	_____	_____

2. Driving

ELEMENTS/STEPS	STANDARDS	YES	NO
	F. Stopped vehicle before striking crossbar	_____	_____
	G. Repeated steps a through f in reverse with spotters	_____	_____
6. Defensive driving techniques	6. <u>IAW IFSTA Pumping Apparatus Driver/Operator Handbook</u> and <u>NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u>		
A. Adhered to all traffic regulations	A. Adhered to all traffic regulations		
B. Fasten seat belts			
C. Operate vehicle safely	1. (C) Used all applicable warning devices	_____	_____
D. Lane changes			
E. Straight line vehicle positioning	2. (M) Ensured safety at intersections	_____	_____
	3. Properly followed the right of way laws	_____	_____
A. Adhered to all traffic regulations			
B. Fasten seat belts	B. (C) Fastened seat belt upon entering vehicle	_____	_____
C. Operate vehicle safely			
D. Lane change			
E. Straight line vehicle positioning			
A. Adhered to all traffic regulations			
B. Fasten seat belts			
C. Operate vehicle safely	C. Operate vehicle safely		
D. Lane changes			
E. Straight line vehicle positioning	1. Demonstrated responsibility and concern for safety of apparatus and personnel while driving apparatus	_____	_____
	2. (M) Adjusted speed for weather conditions	_____	_____

2. Driving

ELEMENTS/STEPS	STANDARDS	YES	NO
	3. (M) Adjusted stopping distances	_____	_____
	4. Slowed gradually by pumping brakes	_____	_____
	5. Ensured all personnel wear seatbelts	_____	_____
	6. Braking – stopped smoothly	_____	_____
	a. Avoided skidding situations	_____	_____
	b. Compensated for vehicle weight shifting	_____	_____
	7. Spotted apparatus at curb and out of traffic lane	_____	_____
	8. Maintained vehicle control while backing	_____	_____
	a. Used spotters	_____	_____
A. Adhered to all traffic regulations			
B. Fasten seat belts			
C. Operate vehicle safely			
D. Lane change	D. Lane change		
E. Straight line vehicle positioning			
	1. Approached the first lane at a safe speed	_____	_____
	2. Followed flash card directions	_____	_____
	3. Drove in the designated lane	_____	_____
A. Adhered to all traffic regulations			
B. Fasten seat belts			
C. Operate vehicle safely			
D. Lane change			
E. Straight line vehicle positioning	E. Straight line vehicle positioning		

2. Driving

ELEMENTS/STEPS	STANDARDS	YES	NO
	1. Traveled in a forward direction without weaving	_____	_____
	2. Accelerated through gears without stopping	_____	_____
	3. Came to a complete stop in a smooth and safe manner	_____	_____
	4. Performed a forward (feeder) lay to a predetermined spot	_____	_____
	5. Performed a reverse lay from a predetermined spot	_____	_____
	6. Came to a complete stop in a smooth and safe manner in position for a hydrant connection	_____	_____
7. Operate vehicle equipment	7. IAW manufactures data, checklist, or other applicable information.		
	A. Donned appropriate safety gear	_____	_____
	B. Checked all components of the equipment	_____	_____
	C. Started equipment (if applicable)	_____	_____
	D. Operated equipment within manufactures specifications	_____	_____
	E. Shut equipment down (if applicable)	_____	_____
	F. Stored equipment using proper procedures	_____	_____

Driving Course Specifications

Utilize this sheet to design your driving course in relation to the vehicles you have assigned. Please set up your course per calculations outlined below.

Key

VW = Vehicle Width

VL = Vehicle Length

ft = feet

EXERCISE	DIMENSIONS
Alley Dock	Depth of Dock: VL plus 3 ft Width of Dock: VW plus 2 ft Wall distance from Dock entrance: VL multiplied by 1.48 ft
Serpentine	Distance between cones: VL multiplied by 1.25 ft
Confined Space Turnaround	Entrance Width: VW plus 4 ft Width of Space: VL multiplied by 1.85 ft Length of Space: VL multiplied by 3.7 ft
Diminishing Clearance	Wide Entrance: VW plus 1.5 ft Narrow Point: VW plus 2 inches
Lane Change	Width of Lanes: VW plus 2 Ft Length of Lanes: VL multiplied by 1.85 ft Distance between lanes: VL multiplied by 1.11 ft
Straight Line Positioning	Width of Lane: VW plus 4 ft Length of Lane: VL multiplied by 7.4 ft (e.g. VL is 47 ft; 47 X 7.4 = 348 ft)

2. Driving

Driving Course Points

Type of Vehicle	Total Possible Points	Minimum Passing Score
Pumpers	450	360
Aerials/Tillers	450	360
ARFF Apparatus	450	360
Mobile Water Supply	450	360

Driving Course Scorecard

OBSTACLE	PENALTY POINTS	PENALTY POINTS	PENALTY POINTS	PENALTY POINTS	PENALTY POINTS	PENALTY POINTS
Name:						
Alley dock						
Serpentine						
180° Turnaround						
Diminishing Clearance						
Lane Change						
Straight Line						
Total Possible Points	450	450	450	450	450	450
Total Penalty Points						
Score						
Minimum Passing Score						
Pass/Fail						

2. Driving

Penalty Point Chart

DESCRIPTION	ERROR	PENALTY POINTS
Alley dock (100 pt.)	Distance from rear bumper to finish line	
	0 - 6 inches	0
	6 - 9 inches	5
	9 - 12 inches	10
	12 - 15 inches	15
	15 - 18 inches	20
	18 or more inches	50
	Each marker brushed, moved or overturned	5
Serpentine (50 pt.)	Each marker brushed, moved or overturned	5
	Passing course marker on the wrong side	5
	Each time apparatus stops during the exercise	5
180° Turnaround (50 pt.)	Each marker brushed, moved or overturned	5
	Markers are bypassed	5
Diminishing Clearance (100 pt.)	Distance from front/rear bumper to finish line (use the following criteria for both forward and reverse movement)	
	0 - 6 inches	0
	6 - 9 inches	5
	9 - 12 inches	10
	12 - 15 inches	15
	15 - 18 inches	20
	18 or more inches	50
	Each marker brushed, moved or overturned	5
	Vertical bar struck	25
Lane Change (50 pt.)	Failure to maintain approximately 25 mph speed limit	10
	Each marker brushed, moved or overturned	5
	Each time the apparatus stops during the exercise	25
	Failure to take the lane marked by judges	25
	Failure to maintain control of apparatus	50
Straight Line (100 pt.)	Failure to maintain constant motion or if apparatus stops	25
	Each marker brushed, moved or overturned	5
	Forward/Reverse - Distance from rear bumper to finish line	
	0 - 6 inches	0
	6 - 9 inches	5
	9 - 12 inches	10
	12 - 15 inches	15
	15 - 18 inches	20
18 or more inches	50	
	Each marker brushed, moved or overturned	5

3. Operations

Skills Test 3 – Operations

Performance Test Summary Sheet

Objectives: NFPA Standard 1002, Chapter 5, Paragraphs 5.2.1, 5.2.2 and 5.2.3
NFPA Standard 1002, Chapter 10, Paragraphs 10.2.1, 10.2.2 and 10.2.3

- Tasks:**
1. Pump from apparatus water tank, pump from hydrant, pump from draft, and transfer from the internal water tank to an external source.
 - a. Operate a relief valve or pressure control governor.
 - b. Produce an effective hand line stream and an effective master stream.
 2. Pump a supply line in relay pumping evolution.
 3. Pump a supply line to an ARFF apparatus.
 4. Produce a foam fire stream.
 5. Position MWS apparatus, establish water supply source, connect to and support a sprinkler or standpipe system, transfer power to pump, operate transfer valve.
 6. Maneuver and position a mobile water supply apparatus at a water shuttle fill site.
 7. Maneuver and position a mobile water supply apparatus at a water shuttle dump site.
 8. Establish and operate a water shuttle dump site.

3. Operations

Performance Test Item – Pump From Various Water Sources

Personnel Classification: Driver/Operator - Mobile Water Supply

Objective: NFPA Standard 1002, Chapter 5, Paragraph 5.2.1

Task: Position, set up MWS apparatus, and perform the following operations:

1. Pump from the apparatus' internal tank.
2. Pump from a pressurized source (hydrant).
3. Pump from a static water source.
4. Transfer from the internal tank to an external source.

Setting: Fire department training ground with drafting source and fire hydrant.

Tools Equipment: Fire department mobile water supply apparatus and associated tools and equipment.

Attainment Standard: Successfully complete all elements/steps within 30 minutes.

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Pump from the apparatus' internal tank	1. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u> and local policies/procedures		
	A. Maneuvered/positioned apparatus	_____	_____
	B. Ensured supply line was fully deployed	_____	_____
	C. Engaged fire pump	_____	_____
	D. Opened tank-to-pump valve	_____	_____
	E. Primed the pump, if necessary	_____	_____
	F. Opened discharge valve slowly	_____	_____
	G. Set throttle for required engine pressure	_____	_____
	H. (M) Set relief valve or governor	_____	_____
	I. Monitored and shut down operation	_____	_____
2. Pump from a pressurized source (hydrant)	2. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u> and local policies/procedures		
	A. Selected the best hydrant considering location and the water main size	_____	_____
	B. Properly maneuvered/ positioned apparatus		
	1. Maneuvered to hydrant location	_____	_____

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
	2. Considered intake hose connections to hydrant	___	___
	3. Allowed sufficient access for other apparatuses	___	___
	C. Connected to hydrant	___	___
	D. Engaged fire pump	___	___
	E. Opened intake valve	___	___
	F. Opened the discharge valve	___	___
	G. Set throttle for desired output pressure	___	___
	H. (M) Set relief valve or governor	___	___
	I. Monitored and shut down operation	___	___
3. Pump from a static water source	3. <u>IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications and local policies/procedures</u>		
	A. Selected the best drafting location based on accessibility, safety, and quantity of water	___	___
	B. Properly maneuvered/ positioned apparatus considering intake hose limitations	___	___
	C. Connected suction hose to MWS apparatus and secure strainer in water	___	___
	D. Engaged the pump	___	___
	E. Engaged the priming device	___	___

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
	F. Increased the throttle to required engine pressure	___	___
	G. (M) Set relief valve or governor	___	___
	H. Monitored and shut down operation	___	___
4. Transfer from the internal tank to an external source	4. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u> and local policies/procedures		
	A. Select a water source (hydrant)	___	___
	B. Positioned the apparatus near the water source	___	___
	C. Deployed supply line and connected to attack apparatus	___	___
	D. Engaged the pump	___	___
	E. Opened tank-to-pump valve	___	___
	F. Opened the discharge valve slowly	___	___
	G. Set throttle for desired output pressure	___	___
	H. (M) Set relief valve or governor	___	___
	I. (M) Connected the MWS apparatus to the external water source (hydrant)	___	___
	J. (M) Opened the intake valve	___	___
	K. (M) Closed the tank-to-pump valve	___	___

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
	L. (M) Pumped the supply line using the external water source	_____	_____
	M. Refilled internal water tank by opening the tank fill line	_____	_____
	N. Monitored and shut down operation	_____	_____

3. Operations

Performance Test Item – Produce a Master Stream

Personnel Classification: Driver/Operator - Mobile Water Supply

Objective: NFPA Standard 1002, Chapter 5, Paragraph 5.2.1

Task: Demonstrate how to produce an effective master stream.

Setting: Fire department training area and a water source.

Tools Equipment: Fire department MWS apparatus, 200 feet of 1 ½- or 1 ¾-inch hoseline, a 1 ½-inch adjustable spray nozzle, a master stream device equipped with 500 gpm adjustable spray nozzle.

Attainment Standard: Successfully complete all elements/steps within 15 minutes.

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Demonstrate how to produce an effective hand line or master stream with a nozzle pressure of 100 psi	1. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook</u> , <u>NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u> and local policies/procedures		
	A. Connected 200 feet of 1 ½-inch or larger hose or to a discharge outlet	_____	_____
	B. When pump was in gear, fully opened tank-to-pump valve	_____	_____
	C. If locking arrangement has been supplied, placed in open position	_____	_____
	D. Placed pump in a SERIES/PRESSURE or PARALLEL/VOLUME position (if applicable)	_____	_____
	E. Set throttle for desired discharge pressure	_____	_____
	F. (M) Opened discharge valve slowly and locked into place	_____	_____
	G. (M) Set the automatic pressure regulating device for desired discharge pressure	_____	_____
	H. Monitored and shut down operation	_____	_____

3. Operations

Performance Test Item – Pump a Supply Line in a Relay Evolution

Personnel Classification: Driver/Operator - Mobile Water Supply

Objective: NFPA Standard 1002, Chapter 5, Paragraph 5.2.2

Task: Pump a supply line in a relay pumping evolution.

Setting: Fire department training area and water source.

Tools Equipment: Fire department MWS apparatus, attack fire apparatus, source apparatus, 400 feet of 2 ½-inch or larger supply line and a water source.

Attainment Standard: Successfully complete all elements/steps within 15 minutes.

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Pump a supply line in a relay pumping evolution	1. <u>IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u> and local policies/procedures <ul style="list-style-type: none"> <li data-bbox="743 499 1247 569">A. Positioned/Maneuvered next to attack apparatus <li data-bbox="743 611 1247 680">B. Connected MWS apparatus to attack apparatus <li data-bbox="743 722 1247 791">C. Connected MWS apparatus to source apparatus <li data-bbox="743 833 1247 932">D. Engaged pump while source apparatus connected to water source <li data-bbox="743 974 1247 1073">E. When connections were complete, and source apparatus was pumping at capacity <ul style="list-style-type: none"> <li data-bbox="792 1115 1247 1184">1. Opened supply line from source apparatus <li data-bbox="792 1226 1247 1260">2. Pumped at maximum capacity <li data-bbox="792 1302 1247 1335">3. Opened discharge <li data-bbox="743 1377 1247 1472">F. Monitored and shut down operation once attack operation complete 	_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____

3. Operations

Performance Test Item – Pump a Supply Line to an ARFF Apparatus

Personnel Classification: Driver/Operator - Mobile Water Supply

Objective: NFPA Standard 1002, Chapter 5, Paragraph 5.2.2

Task: Pump a supply line to an ARFF apparatus.

Setting: Fire department training area and water source.

Tools Equipment: Fire department MWS apparatus and an ARFF apparatus, 200 feet of 2 ½-inch or larger supply line and a water source.

Attainment Standard: Successfully complete all elements/steps within 15 minutes.

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Pump a supply line to an ARFF apparatus	1. <u>IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u> and local policies/procedures <ul style="list-style-type: none"> A. Coordinated positioning with ARFF apparatus driver/operator B. Chocked the wheels on the MWS apparatus C. Connected supply lines from MWS apparatus to ARFF apparatus D. When connections are complete, MWS apparatus <ul style="list-style-type: none"> 1. Engaged the pump 2. Set throttle for desired discharge pressure 3. Opened ARFF apparatus tank lid 4. Supplied water at maximum capacity (but did not exceed the maximum intake pressure of the ARFF apparatus) E. Monitored and shut down operation once attack operation complete 	_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____

3. Operations

Performance Test Item – Produce a Foam Fire Stream

Personnel Classification: Driver/Operator - Mobile Water Supply

Objective: NFPA Standard 1002, Chapter 5, Paragraph 5.2.3

Task: Produce a foam fire stream, if applicable.

Setting: Fire department training area.

Tools Equipment: Fire department MWS apparatus, foam eductor, nozzle, 100 feet of 1 ½-inch or 1 ¾-inch hoseline and foam concentrate.

Attainment Standard: Successfully complete all elements/steps within 10 minutes.

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Produce a foam fire stream	1. IAW <u>IFSTA Essentials of Fire Fighting, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u> and local policies/procedures		
	A. Assembled foam producing equipment including foam concentrate	_____	_____
	B. Connected foam eductor to discharge valve of MWS apparatus	_____	_____
	C. Connected hoseline and nozzle to discharge side of eductor	_____	_____
	D. Engaged the pump	_____	_____
	E. Opened throttle to adjust discharge pressure	_____	_____
	F. Opened discharge valve to the eductor	_____	_____

3. Operations

Performance Test Item – Support a Sprinkler or Standpipe System

Personnel Classification: Driver/Operator - Mobile Water Supply

Objective: NFPA Standard 1002, Chapter 5, Paragraph 5.2.4

Task: Position MWS apparatus, establish water supply source, and connect to and support a sprinkler or standpipe system, if applicable.

Setting: Fire department training area.

Tools Equipment: Fire department MWS apparatus, fire hose, adapters, spanner wrenches and a fire hydrant.

Attainment Standard: Successfully complete all elements/steps within 5 minutes of stopping the MWS apparatus.

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Position the MWS and supply sprinkler or standpipe, if applicable	1. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook</u> , <u>NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u> and local policies/procedures		
	A. Located the fire department connection	_____	_____
	B. Located a water supply source	_____	_____
	C. Positioned MWS apparatus	_____	_____
	D. Connected a supply line from the water source to the MWS	_____	_____
	1. No kinks in soft intake hose	_____	_____
	E. Charged the supply line	_____	_____
	F. Connected a hoseline from the MWS to the fire department connection	_____	_____
	G. Developed and maintained 150 psi at the pump and maintain	_____	_____
	H. Operated the auxiliary cooling system, if applicable	_____	_____

3. Operations

Performance Test Item – Maneuver/Position at a Fill Site

Personnel Classification: Driver/Operator - Mobile Water Supply

Objective: NFPA Standard 1002, Chapter 10, Paragraph 10.2.1

Task: Maneuver and position a mobile water supply apparatus at a water shuttle fill site.

Setting: Fire department training area.

Tools Equipment: Fire department mobile water supply apparatus and associated tools and equipment.

Attainment Standard: Successfully complete all elements/steps within 30 minutes.

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Maneuver and position a mobile water supply apparatus at a water shuttle fill site.	1. <u>IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u> and local policies/procedures A. Approached water shuttle fill site with mobile water supply apparatus safely B. Positioned water supply apparatus for connection to water source C. Connected water supply apparatus to water source using one or more hoselines D. Filled water tank completely E. Disconnected water source F. Departed water shuttle fill site with water supply apparatus demonstrating utmost safety	_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____
		_____	_____

3. Operations

Performance Test Item – Maneuver/Position at a Dump Site

Personnel Classification: Driver/Operator - Mobile Water Supply

Objective: NFPA Standard 1002, Chapter 10, Paragraph 10.2.2

Task: Maneuver and position a mobile water supply apparatus at a water shuttle dump site.

Setting: Fire department training area.

Tools Equipment: Fire department mobile water supply apparatus, associated tools and equipment (to include portable water tanks and/or emergency water sources).

Attainment Standard: Successfully complete all elements/steps within 15 minutes.

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Maneuver and position a mobile water supply apparatus at a water shuttle dump site.	1. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook</u> , <u>NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u> and local policies/procedures		
	A. Approached water supply dump site with water supply apparatus in a safe manner	_____	_____
	B. Positioned water supply apparatus for delivery of water	_____	_____
	C. Dumped water into portable tank via:	_____	_____
	1. Pumping (if applicable)		
	2. Gravity dump		
	3. Jet-assisted gravity dump (rapid dump) (if applicable)		
	D. Departed water shuttle dump site in a safe manner	_____	_____

3. Operations

Performance Test Item – Establish and Operate a Dump Site

Personnel Classification: Driver/Operator - Mobile Water Supply

Objective: NFPA Standard 1002, Chapter 10, Paragraph 10.2.3

Task: Establish and operate a water shuttle dump site.

Setting: Fire department training area.

Tools: Two fire department mobile water supply apparatuses.

Equipment: One fire department pumper apparatus.

Two portable water tanks and ground covers.

Water transfer tools and equipment (e.g., hard suction hoses, jet-siphons).

Attainment Standard: Successfully complete all elements/steps within 60 minutes either by using a jet-siphon (preferred method) or by connecting the two portable water tanks by the drains using a hard suction hose.

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Establish and operate a water shuttle dump site using a jet-siphon to transfer water. If a jet-siphon is not available, go to Element/Step #2.	1. IAW <u>IFSTA Pumping Apparatus Driver/Operator Handbook</u> , <u>NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications</u> local policies/procedures		
	A. Deployed first portable water tank allowing for placement of additional tanks	_____	_____
	B. Prepared dump site pumper for continuous drafting from the first tank using low-level strainer and hard suction hose	_____	_____
	C. Positioned first MWS apparatus and dumped its water into the first tank via:	_____	_____
	1. Pumping (if applicable)		
	2. Gravity Dump		
	3. Jet-assisted gravity dump (rapid dump) (if applicable)		
	D. First MWS apparatus signaled to return to the fill site	_____	_____
	E. Dump site pumper began the drafting operation	_____	_____
	F. Deployed second portable water tank in tip-to-tip arrangement	_____	_____
	G. Connected the portable water tanks using a jet-siphon, a 1 ½-inch hoseline, and a hard suction hose allowing drafting from the first tank	_____	_____

3. Operations

ELEMENTS/STEPS	STANDARDS	YES	NO
E. Positioned first MWS apparatus and dumped its water into the first tank via:		_____	_____
1. Pumping (if applicable)			
2. Gravity Dump			
3. Jet-assisted gravity dump (rapid dump) (if applicable)			
F. First MWS apparatus signaled to return to the fill site		_____	_____
G. Dump site pumper began the drafting operation		_____	_____
H. Positioned second MWS apparatus and dumped its water into the first tank via:		_____	_____
1. Pumping (if applicable)			
2. Gravity Dump			
3. Jet-assisted gravity dump (rapid dump) (if applicable)			
I. Second MWS apparatus signaled to return to the fill site		_____	_____
J. Repeated steps E through I as needed		_____	_____
K. (C) Ensured portable tank being drafted from is kept full at all times		_____	_____

Performance Test Record

Driver/Operator - Mobile Water Supply

INSTRUCTIONS: This form must be completed and kept on file. A copy of this form is also required to be submitted with the candidate's certification package.

Date of Evaluation _____

Candidate Rank/Name _____ SSN _____

Evaluators Rank/Name _____ SSN _____

The candidate has PASSED/FAILED the Driver/Operator - Mobile Water Supply Performance Tests for the stations marked below:

Performance Test Station	Passed	Failed
Pre-Operations		
Driving		
Operations		

If candidate has failed the performance evaluation, provide the following information:
(Use additional sheets, if necessary)

Objective(s):

Reason(s) for failure:

Candidate Signature _____

Evaluator Signature _____

"FOUO. This document contains information exempt from mandatory disclosure under the FOIA. Exemption 5 U.S.C. 552(b)(6) applies. This information is also protected by the Privacy Act of 1974 and must be safeguarded from unauthorized disclosure."