CDC 10028W

Driver/Operator - Mobile Water Supply

Performance Test

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

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Performance Test Instructions

This performance test supplement is based on the 2009 Edition of NFPA 1002; *Standard for Fire Apparatus Driver/Operator Professional Qualification* and provides the detailed performance test checklist items required 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) IFSTA Pumping Apparatus Driver/Operator Handbook 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 IFSTA Pumping Apparatus Driver/Operator Handbook 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 IFSTA Pumping Apparatus Driver/Operator Handbook 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 IFSTA Pumping Apparatus Driver/Operator Handbook and local policies and procedures, inspected:		
A. Inside driver compartment	**A. Inside driver compartment**		
B. Outside the vehicle	1. Checked all apparatus controls and gauges	____	____
C. Engine compartment	2. Checked fuel levels and filled as needed	____	____
D. Fire pump	3. Checked all interior lights	____	____
E. Water tank	4. Checked horn	____	____
F. Foam tank/system	5. Checked mirrors	____	____
G. Rapid dump system			
H. Tools and Equipment			

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	1. Checked body panel for rust, dents or exposed areas needing touch up paint	____	____
E. Water tank			
F. Foam tank/system			
G. Rapid dump system			
H. Tools and Equipment	2. Checked tires for proper inflation	____	____

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** D. Fire pump E. Water tank F. Foam tank/system G. Rapid dump system H. Tools and Equipment	**C. Engine compartment**		
	1. Checked all drive belts for wear or defects; adjusted as needed	____	____
	2. Checked coolant overflow reservoir for leaks and filled as needed	____	____
	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	____	____

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** E. Water tank F. Foam tank/system G. Rapid dump system H. Tools and Equipment	**D. Fire Pump (if applicable)**		
	1. Opened all pump drains and flushed sediment	____	____
	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
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	**E. Water Tank** 1. Filled water tank to capacity 2. Checked inside surface for corrosion and cleanliness 3. Checked water tanks for leaks	 ____ ____ ____	 ____ ____ ____
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	**F. Foam Tank/System (if applicable)** 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	 ____ ____ ____	 ____ ____ ____
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	**G. Rapid Dump System (if applicable)** 1. Inspected and tested per manufacturer's guidance	 ____	 ____

ELEMENTS/STEPS	STANDARDS	YES	NO
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	**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 IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus, 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 IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus, 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. IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus 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		

ELEMENTS/STEPS	STANDARDS	YES	NO
	fitting on pump panel	____	____
	F. Connected hoselines 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 Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus, 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 IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus 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)	____	____

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. IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus 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. IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus 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	____	____

ELEMENTS/STEPS	STANDARDS	YES	NO
8. Tank-to-pump flow rate	8. IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1911: Service Tests of Fire Pump Systems on Fire Apparatus 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 IFSTA Pumping Apparatus Driver /Operator Handbook and NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications		
	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	____	____

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	____	____

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. IAW IFSTA Pumping Apparatus Driver/Operator Handbook and NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications		
	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. IAW IFSTA Pumping Apparatus Driver/Operator Handbook and NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications		
	A. Drove apparatus along the left side of the markers in a straight line and stopped just beyond the last barrel/cone	____	____

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. IAW IFSTA Pumping Apparatus Driver/Operator Handbook and NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications		
	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. IAW IFSTA Pumping Apparatus Driver/Operator Handbook and NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications		
	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. IAW IFSTA Pumping Apparatus Driver/Operator Handbook and NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications		
A. Adhered to all traffic regulations B. Fasten seat belts C. Operate vehicle safely D. Lane changes E. Straight line vehicle positioning	**A. Adhered to all traffic regulations** 1. (C) Used all applicable warning devices	____	____
	2. (M) Ensured safety at intersections	____	____
	3. Properly followed the right of way laws	____	____
A. Adhered to all traffic regulations **B. Fasten seat belts** C. Operate vehicle safely D. Lane change E. Straight line vehicle positioning	**B.** (C) **Fastened seat belt** upon entering vehicle	____	____
A. Adhered to all traffic regulations B. Fasten seat belts **C. Operate vehicle safely** D. Lane changes E. Straight line vehicle positioning	**C. Operate vehicle safely** 1. Demonstrated responsibility and concern for safety of apparatus and personnel while driving apparatus	____	____
	2. (M) Adjusted speed for weather conditions	____	____

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** E. Straight line vehicle positioning	**D. Lane change**		
	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**
Serpentine	Distance between cones: VL multiplied by **1.25**
Confined Space Turnaround	Entrance Width: VW plus **4** ft Width of Space: VL multiplied by **1.85** Length of Space: VL multiplied by **3.7**
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** Distance between lanes: VL multiplied by **1.11**
Straight Line Positioning	Width of Lane: VW plus **4** ft Length of Lane: VL multiplied by **7.4** (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						

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.

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 IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications 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 IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications 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	____	____

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. IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications and local policies/procedures		
	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 IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications 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	____	____

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.

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 IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications 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.

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Pump a supply line in a relay pumping evolution	1. IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications and local policies/procedures		
	A. Positioned/Maneuvered next to attack apparatus	____	____
	B. Connected MWS apparatus to attack apparatus	____	____
	C. Connected MWS apparatus to source apparatus	____	____
	D. Engaged pump while source apparatus connected to water source	____	____
	E. When connections were complete, and source apparatus was pumping at capacity		
	1. Opened supply line from source apparatus	____	____
	2. Pumped at maximum capacity	____	____
	3. Opened discharge	____	____
	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.

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Pump a supply line to an ARFF apparatus	1. IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications and local policies/procedures		
	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		
	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.

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Produce a foam fire stream	1. IAW IFSTA Essentials of Fire Fighting, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications 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.

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Position the MWS and supply sprinkler or standpipe, if applicable	1. IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications 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.

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Maneuver and position a mobile water supply apparatus at a water shuttle fill site.	1. IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications 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.

ELEMENTS/STEPS	STANDARDS	YES	NO
1. Maneuver and position a mobile water supply apparatus at a water shuttle dump site.	1. IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications 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 Equipment:	Two fire department mobile water supply apparatuses. 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.

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 IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications 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
	H. Positioned second MWS apparatus and dumped its water into the second 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 C through I as needed	____	____
	K. (C) Ensured portable tank being drafted from is kept full at all times	____	____
2. Establish and operate a water shuttle dump site connecting the two portable water tanks by the drains using a hard suction hose.	2. IAW IFSTA Pumping Apparatus Driver/Operator Handbook, NFPA 1002: Fire Apparatus Driver/Operator Professional Qualifications and local policies/procedures A. Deployed first portable water tank allowing for placement of and connection to the second via the tank drains	____	____
	B. Deployed second portable water tank aligning its drain with the drain of the first tank	____	____
	C. Connected the two tanks via the drains using a hard suction hose and rope	____	____
	D. Prepared dump site pumper for continuous drafting from the second tank using low-level strainer and hard suction hose	____	____

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's Name _____ **SSN** _____

Evaluator's 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 _____