

INSTRUCTION SHEET

DRIVER/OPERATOR-PUMPER PERFORMANCE SKILLS

Format

Similar Driver/Operator-Pumper skills are combined into one skill sheet when possible. These skill sheets should be used in a progressive type grading format. The skill sheet is divided into individual skill objectives. The Examiner should evaluate the Driver/Operator-Pumper candidates as they complete each skill of the evaluation. The skills that could not be combined are provided as independent skill sheets.

For skill sheets that do not contain time constraints, the Course Instructor should specify time constraints as necessary.

Scoring Method

For some performance skills, the scoring method is Satisfactory (S) or Unsatisfactory (U) for each step of the skill objective, and a Pass or Fail for each individual skill section. In order to successfully pass an individual skill section, the Driver/Operator-Pumper candidate must receive satisfactory scores in all the steps of the skill objective. In order to receive an overall Pass on the skill sheet, the Driver/Operator-Pumper candidate must receive a passing score for all individual skill sections.

If a step of a skill objective is scored “Unsatisfactory”, only that skill objective must be retested. For example, if a candidate fails step b of Skill 11, he or she must be retested on Skill 11, in its entirety. Any Unsatisfactory or individual skill failure shall require the examiner to explain the reason for the failure in written form in the comments section of the skill sheet.

Other performance skills use a combination of items that are either “Pass or Fail” or are assigned a point value. For these skills, the points required to pass the skill are equal to 70%, and all “Pass or Fail” items must be successfully passed. On the performance skill sheet, circle the appropriate point value or the “P” for pass and the “F” for fail.

Preparation and Equipment

Activity sheets are provided for some performance skills. Course Instructors are encouraged to use these activity sheets to meet the minimum requirements, or they may modify the activity sheets to meet or exceed the standard to fit their department or agency needs.

Many of the skill sheets require the use of department policies. It is suggested that Course Instructors use the policies and procedures of his or her department. If teaching this course at a non-departmental institution, acquire a fire department’s policies and procedures, or modification thereof, to complete these skills. For optimal learning, scenario-based training and role-playing is recommended; however, based on departmental needs certain activities may be simulated by other means.

TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Skill Number 1

PREVENTIVE MAINTENANCE – Routine tests, Inspections, and Servicing Functions

PERFORMANCE STANDARD

Section 700-4.2.1, 4.2.2

NFPA 1002- 4.2.1, 4.2.2

Driver/Operator

OBJECTIVE:

NFPA 1002-4.2.1 Perform routine tests, inspections, and servicing functions on the systems and components specified in the following list, given a fire department vehicle, its manufacturer's specifications, and policies and procedures of the jurisdiction, so that the operational status of the vehicle is verified:

- (1) Battery/Batteries
- (2) Braking system
- (3) Coolant system
- (4) Electrical system
- (5) Fuel
- (6) Hydraulic fluids
- (7) Oil
- (8) Tires
- (9) Steering system
- (10) Belts
- (11) Tools, appliances, and equipment

NFPA 1002-4.2.2 Document the routine tests, inspections, and servicing functions, given maintenance and inspection forms, so that all items are checked for operation and deficiencies are reported.

INSTRUCTIONS – procedures for achieving the objective

The Driver/Operator-Pumper candidate, given a fire department vehicle, maintenance, and inspection forms shall perform and document the routine tests, inspections, and servicing functions, so that all items are checked for operation and deficiencies are reported.

EXAMINER NOTE

The Driver/Operator-Pumper candidate will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

Appropriate safety equipment (gloves, eye and ear protection, etc.)

Fire department vehicle

Tools and equipment

Policies and procedures

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Driver/Operator
Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill Number 1	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
Part One				
Perform routine tests, inspections, and servicing functions on the systems and components specified in the following list, given a fire department vehicle and its manufacturer's specifications, so that the operational status of the vehicle is verified: (1) Battery/Batteries (2) Braking system (3) Coolant system (4) Electrical system (5) Fuel (6) Hydraulic fluids (7) Oil (8) Tires (9) Steering system (10) Belts (11) Tools, appliances, and equipment (700-4.2.1)				
The candidate tested, inspected or serviced:	S	U	S	U
a) Battery/Batteries				
1) Checked water level, if applicable				
2) Checked tightness of terminals with appropriate hand tool				
3) Inspected terminals for corrosion				
4) Evaluated general condition (damage, tie-downs)				
b) Braking system				
1) Air-Actuated Brakes				
i) Checked for leaks				
ii) Ensured manual or automatic purging of excess condensation				
iii) Confirmed braking system meets NFPA requirements for air pressure recovery				

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2) Hydraulic Brakes				
i) Checked for leaks				
ii) Ensured hydraulic fluid level is within manufacturer's recommended specifications				
c) Coolant system				
1) Checked for leaks				
2) Checked condition of hoses and/or lines				
3) Ensured coolant level is within manufacturer's recommended specifications				
d) Electrical system				
1) Ensured charging system is operational				
2) Confirmed gauges are functioning				
3) Checked ignition system by starting engine (engine oil check must be performed prior to this step)				
4) Ensured all vehicle lights are operational				
5) Ensured all visual and audible emergency warning devices are operational				
6) Evaluated general condition of accessible wires and connections				
e) Fuel				
1) Reported fuel gauge level				
2) Checked for leaks				
f) Hydraulic fluids				
1) Checked for leaks				
2) Ensured hydraulic fluid level was within manufacturer's recommended specifications				
g) Oil				
1) Checked for leaks				
2) Ensured engine oil level is within manufacturer's recommended specifications				
3) Ensured engine oil pressure is within manufacturer's recommended specifications				
h) Tires				
1) Checked condition of valve and stem				
2) Evaluated condition of tire tread				
3) Checked depth of tire tread				
4) Checked for damage				
5) Used an air gauge, to ensure that tire air pressure was within manufacturer's recommended specifications				

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6) Checked lug nuts for tightness, rust, and missing nuts				
i) Steering system				
1) Checked for leaks				
2) Ensured steering fluid level was within manufacturer's recommended specifications				
3) Checked for "excessive play" in steering wheel				
j) Belts				
1) Ensured proper adjustment				
2) Checked for excessive wear and/or cracking				
k) Tools, appliances, and equipment				
1) Ensured required tools, appliances, and equipment were present as required by the authority having jurisdiction				
2) Ensured required tools, appliances, and equipment are in good working order				
l) Utilized Safety Equipment				
m) Recognized system problems				
n) Corrected any deficiency noted according to policies and procedures				
Part Two	<u>TEST</u>		<u>RETEST</u>	
Document the routine tests, inspections, and servicing functions, given maintenance and inspection forms, so that all items are checked for operation and deficiencies are reported. (700-4.2.2)				
The candidate:	S	U	S	U
a) Correctly documented inspection				
b) Accurately reported the deficiency				
c) Completed all related departmental forms				

Examiner/Candidate Comments:

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Driver/Operator
Performance Standards

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	Driver Skill Sheet
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Driver Skill Sheet Re-Test
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
 Performance Standards

Performance Standards-Activity Sheet 1

Apparatus Test, Inspection and Service Form

Use safety equipment and hand tools to test, inspect or service the items on the checklist to recognize any system problems and correct any deficiency according to agency policies and procedures. Place a mark in the "Item Checked" column after each item is checked. Use the "Notes" column to note any deficiencies. Date and sign the form in the indicated area.

Item	Item Checked	Notes
Battery/Batteries		
Check water level, if applicable		
Check tightness of terminals with appropriate hand tool		
Inspect terminals for corrosion		
Evaluate general condition (damage, tie-downs)		
Braking system		
<u>Air-Actuated Brakes</u>		
Check for leaks		
Ensure manual or automatic purging of excess condensation		
Confirm braking system meets NFPA requirements for air pressure recovery		
<u>Hydraulic Brakes</u>		
Check for leaks		
Ensure hydraulic fluid level is within manufacturer's recommended specifications		
Coolant system		
Check for leaks		
Check condition of hoses and/or lines		
Ensure coolant level is within manufacturer's recommended specifications		
Electrical system		
Ensure charging system is operational		
Confirm gauges are functioning		
Check ignition system by starting engine (engine oil check must be performed prior to this step)		
Ensure all vehicle lights are operational		
Ensure all visual and audible emergency warning devices are operational		
Evaluate general condition of accessible wires and connections		

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Performance Standards

Item	Item Checked	Notes
Fuel		
Report fuel gauge level		
Check for leaks		
Hydraulic fluids		
Check for leaks		
Ensure hydraulic fluid level was within manufacturer's recommended specifications		
Oil		
Check for leaks		
Ensure engine oil level is within manufacturer's recommended specifications		
Ensure engine oil pressure is within manufacturer's recommended specifications		
Tires		
Check condition of valve and stem		
Evaluate condition of tire tread		
Check depth of tire tread		
Check for damage		
Use an air gauge, to ensure that tire air pressure was within manufacturer's recommended specifications		
Check lug nuts for tightness, rust, and missing nuts		
Steering system		
Check for leaks		
Ensure steering fluid level was within manufacturer's recommended specifications		
Check for "excessive play" in steering wheel		
Belts		
Ensure proper adjustment		
Check for excessive wear and/or cracking		
Tools, appliances, and equipment		
Ensure required tools, appliances, and equipment were present as required by the authority having jurisdiction		
Ensure required tools, appliances, and equipment are in good working order		

Signature

Printed Name

Date

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Skill Number 2

GENERAL – Routine Tests, Inspections, and Servicing Functions

PERFORMANCE STANDARD

Section 700-5.1.1, 4.2.2

NFPA 1002- 5.1.1, 4.2.2

Driver/Operator

OBJECTIVE:

Perform the routine tests, inspections, and servicing functions specified in the following list in addition to those in 700-4.2.1, given a fire department pumper, its manufacturer's specifications, and policies and procedures of the jurisdiction, so that the operational status of the pumper is verified:

- 1) Water tank and other extinguishing agent levels (if applicable)
- 2) Pumping systems
- 3) Foam systems

INSTRUCTIONS – procedures for achieving the objective

The Driver/Operator-Pumper candidate, given a fire department vehicle, maintenance, and inspection forms shall perform and document the routine tests, inspections, and servicing functions, so that all items are checked for operation and deficiencies are reported on the following:

- 1) Water tank and other extinguishing agent levels (if applicable)
- 2) Pumping systems
- 3) Foam systems

EXAMINER NOTE

The Driver/Operator-Pumper candidate will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

Appropriate safety equipment (gloves, eye and ear protection, etc.)

Fire department vehicle

Tools and equipment

Policies and procedures

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Driver/Operator
Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill Number 2	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Part One				
Perform routine tests, inspections, and servicing functions on the systems and components specified in the following list, given a fire department vehicle and its manufacturer's specifications, so that the operational status of the vehicle is verified: (1) Water tank and other extinguishing agent levels (if applicable) (2) Pumping systems (3) Foam systems <p style="text-align: right;">(700-5.1.1)</p>				
The candidate:	S	U	S	U
a) Ensured water tank level was full				
b) Checked primer pump oil reservoir level, if applicable				
c) Checked foam tank level, if applicable				
d) Evaluated condition of the pump packing for excessive leaking				
e) Properly engaged pump				
f) Properly operated priming system				
g) Demonstrated proper throttle operation				
h) Exercised pump valves				
i) Exercised drain valves				
j) Operated change-over valve (for two-stage pumps)				
k) Operated pressure control device				
l) Visually inspected foam system, if equipped				
m) Properly disengaged pump				
n) Ensured tightness of screws and bolts on pump panel, using appropriate hand tools				
o) Utilized safety equipment				
p) Recognized system problems				
q) Corrected any deficiency noted according to				

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
 Performance Standards

policies and procedures				
Part Two	<u>TEST</u>		<u>RETEST</u>	
Document the routine tests, inspections, and servicing functions, given maintenance and inspection forms, so that all items are checked for operation and deficiencies are reported. (700-4.2.2)				
The candidate:	S	U	S	U
a) Correctly documented inspection				
b) Accurately reported the deficiency				
c) Completed all related departmental forms				

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	Driver Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Driver Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
 Performance Standards

Pump Test, Inspection and Service Form

Use safety equipment and hand tools to test, inspect or service the items on the checklist to recognize any system problems and correct any deficiency according to agency policies and procedures. Place a mark in the "Item Checked" column after each item is checked. Use the "Notes" column to note any deficiencies. Date and sign the form in the indicated area.

Item	Item Checked	Notes
Ensure water tank level is full		
Check primer pump oil reservoir level, if applicable		
Check foam tank level, if applicable		
Evaluate condition of the pump packing for excessive leaking		
Properly engage pump		
Properly operate priming system		
Demonstrate proper throttle operation		
Exercise pump valves		
Exercise drain valves		
Operate change-over valve (for two-stage pumps)		
Operate pressure control device		
Visually inspect foam system, if equipped		
Properly disengage pump		
Ensure tightness of screws and bolts on pump panel, using appropriate hand tools		
Utilize safety equipment		

Signature

Printed Name

Date

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Driver/Operator
Performance Standards

Skill Number 3
Operating/Driving-Non-Emergency Driving on Public Roadway

PERFORMANCE STANDARD

Section 700-4.3.1

NFPA 1002- 4.3.1

Driver/Operator

OBJECTIVE:

Operate a fire department vehicle, given a vehicle and a predetermined route on a public way that incorporates the maneuvers and features, specified in the following list, that the driver/operator is expected to encounter during normal operations, so that the vehicle is operated in compliance with all applicable state and local laws, departmental rules and regulations, and the requirements of NFPA 1500, Section 4.2.

- 1) Four left turns and four right turns
- 2) A straight section of urban business street or a two-lane rural road at least 1 mile (1.6 km) in length
- 3) One through-intersection and two intersections where a stop has to be made
- 4) One railroad crossing
- 5) One curve, either left or right
- 6) A section of limited-access highway that includes a conventional ramp entrance and exit and a section of road long enough to allow two lane changes
- 7) A downgrade steep enough and long enough to require down-shifting and braking
- 8) An upgrade steep enough and long enough to require gear changing to maintain speed
- 9) One underpass or a low clearance or bridge

INSTRUCTIONS - procedures for achieving the objective

Given a fire department pumper, the Driver/Operator-Pumper candidate shall complete a minimum of ten different driving elements while demonstrating safe and legal driving procedures on public thoroughfares. The evaluator will predetermine the route. The skill will end when you have completed the predetermined route. Do you understand these instructions?

EXAMINER NOTE

The driver/operator – pumper candidate will not be allowed to review the performance steps at the time of testing.

The NFPA recognizes each of these driving elements may not exist in all areas. Where this occurs, those elements that do not exist in that area may be omitted. (NFPA 1002, A.4.3.1) The examiner shall document on this form a justification for any elements that are not tested.

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Because of any omissions, total possible score would be decreased. To determine passing score, take 70% of total possible points and this would be the minimum number required to pass the skill. All pass/fail elements would have the same effect.

Example – 70% of 29 possible points is 20.3. Therefore, to get a minimum passing score, the candidate will have to get 21 points. There is no rounding down. 20 points would be 68.97%. However, if an area did not have a railroad crossing, the total possible points would be 27. In this scenario, the minimum passing score would become 19.

PREPARATION & EQUIPMENT

Fire department pumper
Predetermined route on a public highway

TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Skill Number 3				
Operate a fire department vehicle, given a vehicle and a predetermined route on a public way that incorporates the maneuvers and features, specified in the following list, that the driver/operator is expected to encounter during normal operations, so that the vehicle is operated in compliance with all applicable state and local laws, departmental rules and regulations, and the requirements of NFPA 1500, Section 4.2.				
1) Four left turns and four right turns				
2) A straight section of urban business street or a two-lane rural road at least 1.6 km (1 mile) in length				
3) One through-intersection and two intersections where a stop has to be made				
4) One railroad crossing				
5) One curve, either left or right				
6) A section of limited-access highway that includes a conventional ramp entrance and exit and a section of road long enough to allow two lane changes				
7) A downgrade steep enough and long enough to require down-shifting and braking				
8) An upgrade steep enough and long enough to require gear changing to maintain speed				
9) One underpass or a low clearance or bridge				
(700-4.3.1)				
The candidate:	Points	Points	Points	Points
a) Made a 360-degree visual inspection around the apparatus	3	0	3	0
b) Used handrails to enter and exit the apparatus	1	0	1	0
c) Wore seat belt	P	F	P	F
d) Ensured no firefighters are in a standing position anywhere on the apparatus	P	F	P	F

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Performance Standards

e) Checked mirror positions before moving	2	0	2	0
f) Completed four left turns	1	0	1	0
1) Activated turn signal well in advance of turn				
2) Turned from proper lane	1	0	1	0
3) Turned into proper lane	1	0	1	0
4) Yielded right of way, if applicable	1	0	1	0
g) Completed four right turns	1	0	1	0
1) Activated turn signal well in advance of turn				
2) Turned from proper lane	1	0	1	0
3) Turned into proper lane	1	0	1	0
4) Yielded right of way, if applicable	1	0	1	0
h) Drove a straight section of urban business street or a 2-lane rural road at least 1 mile (1.6km) in length	2	0	2	0
i) Drove one through intersection and two intersections where at least one stop had to be made	2	0	2	0
j) Navigated one railroad crossing				
1) slowed to check both directions before crossing	2	0	2	0
2) stopped if necessary				
k) Navigated a left curve	1	0	1	0
l) Navigated a right curve	1	0	1	0
m) Drove a section of limited-access highway that included a conventional ramp entrance and exit and long enough to allow for two lane changes	2	0	2	0
n) Drove a downgrade – steep enough to require downshifting and braking	2	0	2	0
o) Drove an upgrade – steep enough to require gear changing to maintain speed	2	0	2	0
p) Drove one underpass, low clearance or bridge				
i) <i>Verbalized clearance height of apparatus</i>	2	0	2	0
ii) <i>Verbalized height of underpass, low clearance or bridge</i>				
q) Correctly used passenger restraint devices	P	F	P	F
r) Maintained safe following distances	P	F	P	F
s) Maintained control of the vehicle while accelerating	P	F	P	F
t) Maintained control of the vehicle while decelerating	P	F	P	F
u) Maintained control of the vehicle while turning	P	F	P	F
v) Safely operated vehicle under adverse environmental or driving surface conditions	P	F	P	F
w) Correctly used automotive gauges	P	F	P	F
x) Correctly used automotive controls	P	F	P	F
y) Followed all local and state laws	P	F	P	F

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 Performance Standards

z) Used hand-over-hand or shuffle steering for all elements	P	F	P	F
aa) Displayed use of appropriate speed for all driving elements	P	F	P	F
Total Points*				

***A minimum of 21 points and all P/F items passed to achieve a passing score for this skill.**

Examiner/Candidate Comments:

 Certifying Examiner Date

 Re-Test Certifying Examiner Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION
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Performance Standards

Skill Number 4
Operating/Driving-Backing from a Roadway into Restricted Spaces

PERFORMANCE STANDARD

Sections 700-4.3.2

NFPA 1002- 4.3.2

Driver/Operator

OBJECTIVE

Back a vehicle from a roadway into restricted spaces on both the right and left sides of the vehicle, given a fire department vehicle, a spotter, and restricted spaces 12 ft. (3.7 m.) in width, requiring 90-degree right-hand and left-hand turns from the roadway, so that the vehicle is parked within the restricted areas without having to stop and pull forward and without striking obstructions.

INSTRUCTIONS - procedures for achieving the objective

Given a pumping apparatus and a spotter, the Driver/Operator-Pumper candidate shall back a vehicle from a roadway into restricted spaces on both the right and left sides of the vehicle, into a restricted space 12 ft. (3.7 m.) in width, requiring 90-degree right-hand and left-hand turns from the roadway, so that the vehicle is parked within the restricted areas without having to stop and pull forward and without striking obstructions.

EXAMINER NOTE

Skills 5 through 8 may be conducted individually or in one continuous exercise. Each Skill is to be graded independently, regardless of which way it is performed.

Simulate an alley dock by arranging cones 40 ft. (12.2 m.) from a boundary line. The cones should be 12 ft. (3.7 m.) apart, and the length should be approximately 20 ft. (6.1 m.). The driver should pass the cones with the dock on the left and then back the apparatus, using a 90-degree left turn, into the alley dock. The exercise should then be repeated with the dock on the right side, using a 90-degree right turn.

PREPARATION & EQUIPMENT

Fire department pumping apparatus
Spotter
Cones
Roadway with obstructions

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

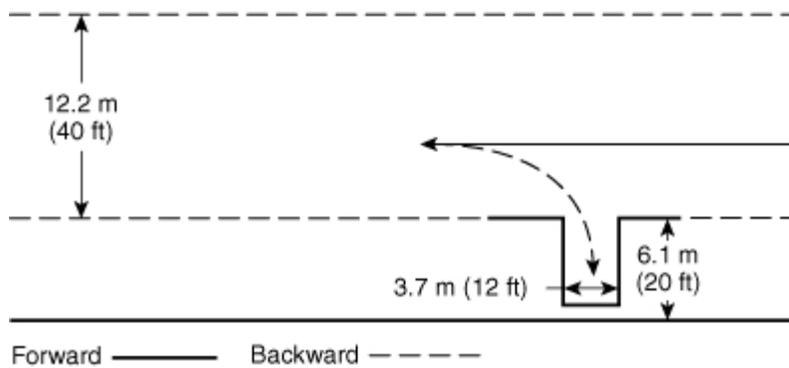
Candidate: _____ Notes: _____

Dept: _____

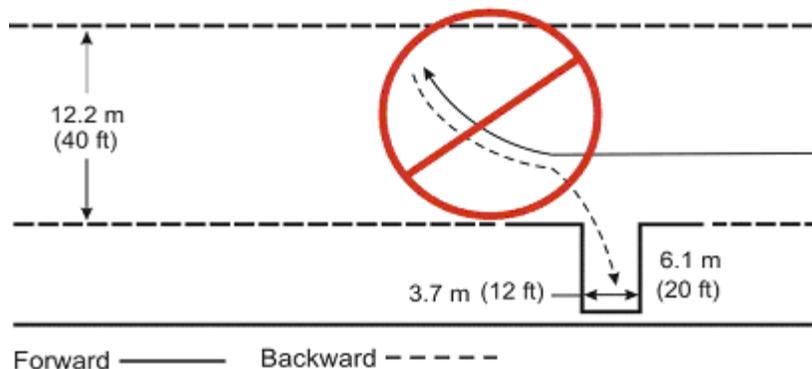
Training Provider: _____

Examiner: _____

90-degree turn required:



This type of turn not allowed:



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TEXAS COMMISSION ON FIRE PROTECTION
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	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Skill Number 4				
Back a pumping apparatus from a roadway into restricted spaces on both the right and left sides of the vehicle, given a pumping apparatus, a spotter, and restricted spaces 12 ft. (3.7 m.) in width, requiring 90-degree right-hand and left-hand turns from the roadway, so that the vehicle is parked within the restricted areas without having to stop and pull forward and without striking obstructions. <p style="text-align: right;">(700-4.3.2)</p>				
The candidate performed the following safety procedures:	Points	Points	Points	Points
a) Made a 360-degree visual inspection around the apparatus	3	0	3	0
b) Used handrails to enter and exit the apparatus	1	0	1	0
c) Wore seat belt	P	F	P	F
d) Ensured no firefighters were in a standing position anywhere on the apparatus	P	F	P	F
e) Checked mirror positions before moving	2	0	2	0
The candidate:				
f) Backed the vehicle from a roadway into the restricted space using a 90-degree left-hand turn	5	0	5	0
g) Backed the vehicle from a roadway into the restricted space using a 90-degree right-hand turn	5	0	5	0
h) Correctly used mirrors	2	0	2	0
i) Correctly judged vehicle clearance	3	0	3	0
j) Parked within the restricted area without having to stop and pull forward (Deduct 3 points per occurrence)				
k) Parked within the restricted area without striking an obstruction	P	F	P	F
l) Completed skill without striking a wall cone	P	F	P	F
m) Completed skill without dry steering (Deduct 1 per occurrence)				
n) Performed entire operation safely	P	F	P	F
Total Points*				

***A minimum of 15 points and all P/F items passed to achieve a passing score for this skill.**

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Examiner/Candidate Comments:

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION

Driver/Operator

Performance Standards

Skill Number 5

Operating/Driving-Maneuvering Around Roadway Obstructions

PERFORMANCE STANDARD

Sections 700-4.3.3

NFPA 1002- 4.3.3

Driver/Operator

OBJECTIVE

Maneuver a vehicle around obstructions on a roadway while moving forward and in reverse, given a fire department vehicle, a spotter for backing, and a roadway with obstructions, so that the vehicle is maneuvered through the obstructions without stopping to change the direction of travel and without striking the obstructions.

INSTRUCTIONS - procedures for achieving the objective

Given a pumping apparatus and a spotter for backing, the Driver/Operator-Pumper candidate shall maneuver a vehicle around obstructions on a roadway while moving forward and in reverse, so that the vehicle is maneuvered through the obstructions without stopping to change the direction of travel and without striking the obstructions.

EXAMINER NOTE

Skills 5 through 8 may be conducted individually or in one continuous exercise. Each Skill is to be graded independently, regardless of which way it is performed.

This exercise measures a driver's ability to steer the apparatus in close limits without stopping. The exercise should be conducted with the apparatus moving first backward, then forward. The course or path of travel for this exercise can be established by placing a minimum of three markers, each spaced between 30 ft. (9 m.) and 38 ft. (12 m.) apart, in a line. The spacing of the markers should be based on the wheel base of the vehicle used. Adequate space must be provided on each side of the markers for the apparatus to move freely. The driver should drive the apparatus along the left side of the markers in a straight line and stop just beyond the last marker. The driver should then begin the exercise by backing the apparatus between the markers by passing to the left of marker No. 1, to the right of marker No. 2, and to the left of marker No. 3. At this point, the driver should stop the vehicle and then drive it forward between the markers by passing to the right of marker No. 3, to the left of marker No. 2, and to the right of marker No. 1.

PREPARATION & EQUIPMENT

Fire department pumping apparatus
Spotter
Cones
Roadway with obstructions

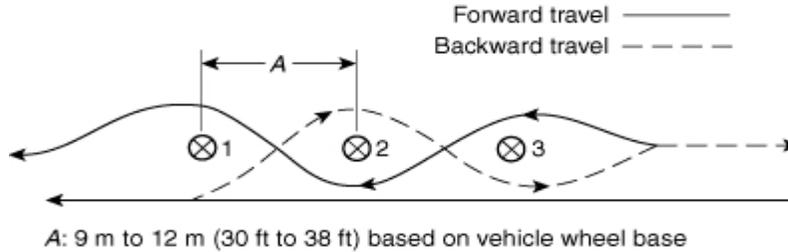
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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
 Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____



	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Skill Number 5				
Maneuver a vehicle around obstructions on a roadway while moving forward and in reverse, given a pumping apparatus, a spotter for backing, and a roadway with obstructions, so that the vehicle is maneuvered through the obstructions without stopping to change the direction of travel and without striking the obstructions. (700-4.3.3)				
The candidate performed the following safety procedures:	Points	Points	Points	Points
a) Made a 360-degree visual inspection around the apparatus	3	0	3	0
b) Used handrails to enter and exit the apparatus	1	0	1	0
c) Wore seat belt	P	F	P	F
d) Ensured no firefighters were in a standing position anywhere on the apparatus	P	F	P	F
e) Checked mirror positions before moving	2	0	2	0
The candidate:				
a) Maneuvered the vehicle around obstructions on the roadway while moving forward	5	0	5	0
b) Maneuvered the vehicle around obstructions on the roadway while moving backwards	5	0	5	0
c) Did not stop to change the direction of travel (Deduct 3 points per occurrence)				

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
 Performance Standards

d) Did not strike an obstruction	P	F	P	F
e) Correctly used mirrors	2	0	2	0
f) Accurately judged vehicle clearance	2	0	2	0
g) Completed skill without dry steering (Deduct 1 point per occurrence)				
h) Performed entire operation safely	P	F	P	F
Total Points*				

***A minimum of 14 points and all P/F items passed to achieve a passing score for this skill.**

Examiner/Candidate Comments:

 Certifying Examiner

 Date

 Re-Test Certifying Examiner

 Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Skill Number 6
Operating/Driving-Turning Vehicle 180 Degrees within a Confined Space

PERFORMANCE STANDARD

Sections 700-4.3.4

NFPA 1002, 4.3.4

Driver/Operator

OBJECTIVE

Turn a fire department vehicle 180 degrees within a confined space, given a fire department vehicle, a spotter for backing up, and an area in which the vehicle cannot perform a U-turn without stopping and backing up, so that the vehicle is turned 180 degrees without striking obstructions within the given space.

INSTRUCTIONS - procedures for achieving the objective

Given a pumping apparatus, a spotter for backing up, the Driver/Operator-Pumper candidate shall turn a pumping apparatus 180 degrees within a confined space, so that the vehicle is turned 180 degrees without striking obstructions within the given space.

EXAMINER NOTE

Skills 5 through 8 may be conducted in one continuous exercise or individually. Each Skill is to be graded independently, regardless of which way it is performed.

This exercise measures the driver's ability to turn the vehicle around in a confined space without striking obstacles. The turn is accomplished within an area 50 ft. x 100 ft. (15.24 m. x 30.5 m.). The driver moves into the area from a 12 ft. (3.7 m.) opening in the center of one of the 50 ft. (15.24 m.) legs, turns the vehicle 180 degrees, and returns through the opening. There is no limitation on the number of times the driver has to maneuver the vehicle to accomplish this exercise, but no portion of the vehicle should extend over the boundary lines of the space.

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

PREPARATION & EQUIPMENT

Fire department pumping apparatus
Spotter
Cones
Roadway with obstructions

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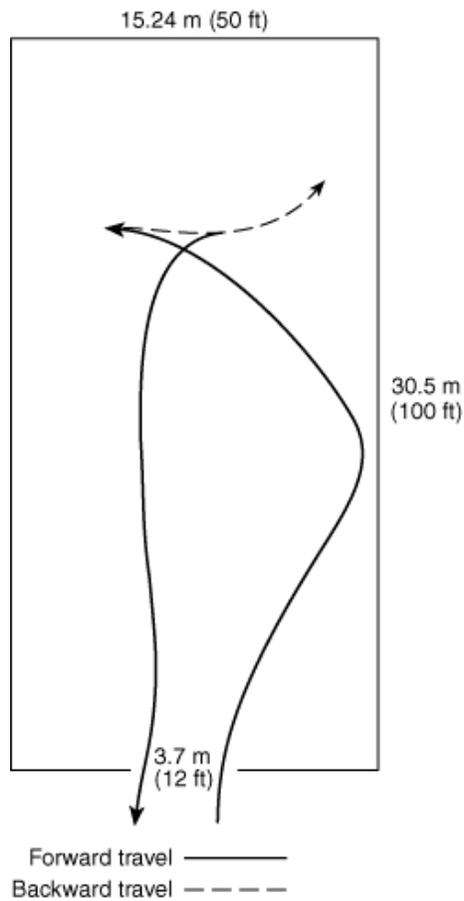
TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Examiner: _____



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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Skill Number 6				
Turn a pumping apparatus 180 degrees within a confined space, given a pumping apparatus, a spotter for backing up, and an area in which the vehicle cannot perform a U-turn without stopping and backing up, so that the vehicle is turned 180 degrees without striking obstructions within the given space. (700-4.3.4)				
The candidate performed the following safety procedures:	Points	Points	Points	Points
a) Made a 360-degree visual inspection around the apparatus	3	0	3	0
b) Used handrails to enter and exit the apparatus	1	0	1	0
c) Wore seat belt	P	F	P	F
d) Ensured no firefighters were in a standing position anywhere on the apparatus	P	F	P	F
e) Checked mirror positions before moving	2	0	2	0
The candidate:				
a) Turned vehicle 180 degrees within the confined space	5	0	5	0
b) Did not strike an obstruction	P	F	P	F
c) Correctly used mirrors	2	0	2	0
d) Correctly judged vehicle clearance	2	0	2	0
e) Completed skill without dry steering (deduct 1 point per occurrence)				
f) Entered and exited the confined space without striking obstacles	P	F	P	F
g) Performed entire operation safely	P	F	P	F
Total Points*				

***A minimum of 11 points and all P/F items passed to achieve a passing score for this skill.**

Examiner/Candidate Comments:

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Skill Number 7
Operating/Driving-Driving Vehicle through Area With
Restricted Horizontal and Vertical Clearances

PERFORMANCE STANDARD

Sections 700-4.3.5

NFPA 1002, 4.3.5

Driver/Operator

OBJECTIVE

Maneuver a fire department vehicle in areas with restricted horizontal and vertical clearances, given a fire department vehicle and a course that requires the operator to move through areas of restricted horizontal and vertical clearances, so that the operator accurately judges the ability of the vehicle to pass through the openings and so that no obstructions are struck.

INSTRUCTIONS - procedures for achieving the objective

Given a pumping apparatus and a specified course, the Driver/Operator-Pumper candidate shall maneuver a pumping apparatus so that the Driver/Operator-Pumper candidate accurately judges the ability of the vehicle to pass through the openings and so that no obstructions are struck.

EXAMINER NOTE

Skills 5 through 8 may be conducted individually or in one continuous exercise. Each Skill is to be graded independently, regardless of which way it is performed.

This exercise measures a driver's ability to steer the apparatus in a straight line, to judge distances from wheel to object, and to stop at a finish line. The pumping apparatus should enter the course at a minimum speed of 20 mph and must maintain that speed until the front bumper exits the 8 ft. 2 in. portion of the diminishing clearance lane. This exercise is to be performed both forward and in reverse with a spotter. There is no minimum speed for performing the backing portion of this exercise. The course for this exercise is created by arranging two rows of markers to form a lane 75 ft. (22.9 m.) long. The lane varies in width from 9 ft. 6 in. (2.9 m.) to a diminishing clearance of 8 ft. 2 in. (2.5 m.). The driver should maneuver the apparatus through this lane without touching the markers. The vehicle should be stopped at a finish line 50 ft. (15.24 m.) beyond the last marker. No portion of the vehicle should protrude beyond this line.

Vertical clearance judgment should be evaluated using a prop with a crossbar that is adjustable, based on the vehicle height. During the evaluation, the driver should drive forward and back through the prop with the crossbar at several differing heights, including one that is lower than the top of the vehicle. The prop should not be struck. The intent of the vertical clearance judgment is for proper identification of the furthestmost point in the form of the apparatus. In situations where the apparatus is

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

gaining entry to roadways or limited-height areas, the driver/operator must allow appropriate space ahead of the apparatus in order to avoid striking objects or to avoid extending apparatus into traffic lanes. Note: For large vehicles, such as ARFF apparatus, this course might need to be modified.

PREPARATION & EQUIPMENT

Fire department pumping apparatus

Spotter

Cones

Roadway with obstructions

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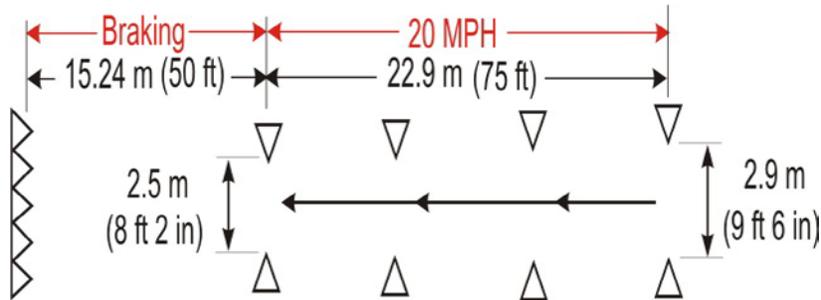
TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
 Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Examiner: _____



	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Skill Number 7				
Maneuver a pumping apparatus in areas with restricted horizontal and vertical clearances, given a pumping apparatus and a course that requires the operator to move through areas of restricted horizontal and vertical clearances, so that the operator accurately judges the ability of the vehicle to pass through the openings and so that no obstructions are struck. (700-4.3.5)				
The candidate performed the following safety procedures:	Points	Points	Points	Points
a) Made a 360-degree visual inspection around the apparatus	3	0	3	0
b) Used handrails to enter and exit the apparatus	1	0	1	0
c) Wore seat belt	P	F	P	F
d) Ensured no firefighters were in a standing position anywhere on the apparatus	P	F	P	F
e) Checked mirror positions before moving	2	0	2	0
The candidate:				
a) Drove vehicle through required course while maintaining minimum speed (20 mph)	5	0	5	0

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
 Performance Standards

b) Did not strike an obstruction	P	F	P	F
c) Correctly used mirrors	2	0	2	0
d) Correctly judged vehicle clearance	2	0	2	0
e) Performed entire operation safely	P	F	P	F
Total Points*				

***A minimum of 11 points and all P/F items passed to achieve a passing score for this skill.**

Examiner/Candidate Comments:

 Certifying Examiner

 Date

 Re-Test Certifying Examiner

 Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Skill Number 8
Operating/Driving-Driving Defensively Under Emergency Conditions

PERFORMANCE STANDARD

Section 700-4.3.6

NFPA 1002, 4.3.6

Driver/Operator

OBJECTIVE

Operate a vehicle using defensive driving techniques under emergency conditions, given a fire department vehicle and emergency conditions, so that control of the vehicle is maintained.

INSTRUCTIONS - procedures for achieving the objective

The Driver/Operator-Pumper candidate shall operate a fire department pumper using defensive driving techniques under emergency conditions.

EXAMINER NOTE: The Driver/Operator-Pumper candidate will not be allowed to review the performance steps at the time of testing.

Emergency driving simulation should be restricted to a driving track or similar controlled area. Emergency driver training should not be conducted on public ways. For more information, see 49 CFR 383.

The driving course must allow the Driver/Operator-Pumper candidate to navigate one through-intersection and two intersections where a stop is made.

PREPARATION & EQUIPMENT

Fire department vehicle
Emergency conditions

TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Skill Number 8				
Operate a vehicle using defensive driving techniques under emergency conditions, given a fire department vehicle and emergency conditions, so that control of the vehicle is maintained. (700-4.3.6)				
The candidate performed the following safety procedures:	S	U	S	U
a) Made a 360-degree visual inspection around the apparatus				
b) Used handrails to enter and exit the apparatus				
c) Utilized seat belt				
d) Ensured no firefighters were in a standing position anywhere on the apparatus and were using passenger restraint devices				
e) Checked mirror positions before moving				
The candidate	S	U	S	U
a) Maintained safe following distances				
b) Maintained control of the vehicle while accelerating				
c) Maintained control of the vehicle while decelerating				
d) Maintained control of the vehicle while turning				
e) Safely operated under adverse environmental or driving surface conditions				
f) Correctly used automotive gauges				
g) Correctly used automotive controls				
h) Followed all local and state laws				
i) Used hand-over-hand or shuffle steering for all elements				
j) Displayed use of appropriate speed for all driving elements				

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Skill Number 9
Operating/Driving-Operating Apparatus Fixed Systems and Equipment

PERFORMANCE STANDARD

Section 700-4.3.7

NFPA 1002, 4.3.7

Driver/Operator

OBJECTIVE

Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard, given systems and equipment, manufacturer's specifications and instructions, and departmental policies and procedures for the systems and equipment, so that each system or piece of equipment is operated in accordance with the applicable instructions and policies.

INSTRUCTIONS - procedures for achieving the objective

Given a fire department pumper, the Driver/Operator-Pumper candidate shall demonstrate the ability to operate all major equipment on the apparatus by deploying, energizing and monitoring the equipment. The Driver/Operator-Pumper candidate must also demonstrate the ability to recognize and correct system problems.

EXAMINER NOTE

The driver/operator – pumper candidate will not be allowed to review the performance steps at the time of testing.

This skill will require many sheets for items such as electric generation equipment, floodlighting systems, air compressors, air cascade systems, hydraulic rescue tool systems, power reels for air or hydraulic hose, cranes and stabilizers, and A-frames or other lifting equipment.

Not all apparatus are equipped the same, therefore the examiner shall use the applicable score sheets to ensure that all fixed systems and equipment provided on the apparatus are tested.

PREPARATION & EQUIPMENT

Fire department vehicle
Systems
Equipment

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill Number 9-1	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
Electrical Generation and Distribution Equipment				
Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard, given systems and equipment, manufacturer's specifications and instructions, and departmental policies and procedures for the systems and equipment, so that each system or piece of equipment is operated in accordance with the applicable instructions and policies. (700-4.3.7)				
The candidate:	S	U	S	U
a) Inspected equipment for safe operation prior to use (Ex. – looked for defects, checked oil, looked for leaks, checked wiring, looked for any missing parts)				
b) Correctly deployed, energized and monitored the system or equipment per manufacturer's specifications and instructions as well as departmental policies and procedures				
c) Recognized system problem and identify items to observe: i) While equipment is being deployed ii) While equipment is operating iii) While shutting down equipment and returning to service				
d) Corrected system problem and able to state actions required to remedy any system problem i) Item can be addressed immediately ii) Item must be taken out of service for maintenance				
e) Correctly demonstrated shutdown procedures for all equipment per manufacturer's specifications and instructions as well as departmental policies and procedures				

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	Overall Skill Sheet Score Pass <input type="checkbox"/> Fail <input type="checkbox"/> Overall Skill Sheet Re-Test Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Certifying Examiner	Date	
_____	_____	
Re-Test Certifying Examiner	Date	

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
 Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill Number 9-2	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Fixed Lighting Systems				
Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard, given systems and equipment, manufacturer's specifications and instructions, and departmental policies and procedures for the systems and equipment, so that each system or piece of equipment is operated in accordance with the applicable instructions and policies. <p style="text-align: right;">(700-4.3.7)</p>				
The candidate:	S	U	S	U
a) Inspected equipment for safe operation prior to use (Ex. – looked for defects, checked oil, looked for leaks, checked wiring, looked for any missing parts)				
b) Correctly deployed, energized and monitored the system or equipment per manufacturer specifications and instructions as well as departmental policies and procedures				
c) Recognized system problem and identify items to observe: i) While equipment is being deployed ii) While equipment is operating iii) While shutting down equipment and returning to service				
d) Corrected system problem and able to state actions required to remedy any system problem i) Item can be addressed immediately ii) Item must be taken out of service for maintenance				
e) Correctly demonstrated shutdown procedures for all equipment per manufacture specifications and instructions as well as departmental policies and procedures				

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	Overall Skill Sheet Score Pass <input type="checkbox"/> Fail <input type="checkbox"/> Overall Skill Sheet Re-Test Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Certifying Examiner	Date	
_____	_____	
Re-Test Certifying Examiner	Date	

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill Number 9-3	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
Portable Lighting System, Equipment and Accessories				
Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard, given systems and equipment, manufacturer's specifications and instructions, and departmental policies and procedures for the systems and equipment, so that each system or piece of equipment is operated in accordance with the applicable instructions and policies. <p style="text-align: right;">(700-4.3.7)</p>				
The candidate:	S	U	S	U
a) Inspected equipment for safe operation prior to use (Ex. – looked for defects, checked oil, looked for leaks, checked wiring, looked for any missing parts)				
b) Correctly deployed, energized and monitored the system or equipment per manufacturer's specifications and instructions as well as departmental policies and procedures				
c) Recognized system problem and identify items to observe: i) While equipment is being deployed ii) While equipment is operating iii) While shutting down equipment and returning to service				
d) Corrected system problem and able to state actions required to remedy any system problem i) Item can be addressed immediately ii) Item must be taken out of service for maintenance				
e) Correctly demonstrated shutdown procedures for all equipment per manufacturer's specifications and instructions as well as departmental policies and procedures				

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Certifying Examiner

Date

Re-Test Certifying Examiner

Date

Overall Skill Sheet Score
Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score
Pass <input type="checkbox"/> Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill Number 9-4	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Air Compressor				
Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard, given systems and equipment, manufacturer's specifications and instructions, and departmental policies and procedures for the systems and equipment, so that each system or piece of equipment is operated in accordance with the applicable instructions and policies. <p style="text-align: right;">(700-4.3.7)</p>				
The candidate:	S	U	S	U
a) Inspected equipment for safe operation prior to use (Ex. – looked for defects, checked oil, looked for leaks, checked wiring, looked for any missing parts)				
b) Correctly deployed, energized and monitored the system or equipment per manufacturer's specifications and instructions as well as departmental policies and procedures				
c) Recognized system problem and identify items to observe: i) While equipment is being deployed ii) While equipment is operating iii) While shutting down equipment and returning to service				
d) Corrected system problem and able to state actions required to remedy any system problem i) Item can be addressed immediately ii) Item must be taken out of service for maintenance				
e) Correctly demonstrated shutdown procedures for all equipment per manufacturer's specifications and instructions as well as departmental policies and procedures				

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	Overall Skill Sheet Score Pass <input type="checkbox"/> Fail <input type="checkbox"/> Overall Skill Sheet Re-Test Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Certifying Examiner	Date	
_____	_____	
Re-Test Certifying Examiner	Date	

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill Number 9-5	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Air Cascade System				
Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard, given systems and equipment, manufacturer's specifications and instructions, and departmental policies and procedures for the systems and equipment, so that each system or piece of equipment is operated in accordance with the applicable instructions and policies. <p style="text-align: right;">(700-4.3.7)</p>				
The candidate:	S	U	S	U
a) Inspected equipment for safe operation prior to use (Ex. – looked for defects, checked oil, looked for leaks, checked wiring, looked for any missing parts)				
b) Correctly deployed, energized and monitored the system or equipment per manufacturer's specifications and instructions as well as departmental policies and procedures				
c) Recognized system problem and identify items to observe: i) While equipment is being deployed ii) While equipment is operating iii) While shutting down equipment and returning to service				
d) Corrected system problem and able to state actions required to remedy any system problem i) Item can be addressed immediately ii) Item must be taken out of service for maintenance				
e) Correctly demonstrated shutdown procedures for all equipment per manufacturer's specifications and instructions as well as departmental policies and procedures				

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Certifying Examiner

Date

Re-Test Certifying Examiner

Date

Overall Skill Sheet Score

Pass Fail

Overall Skill Sheet Re-Test Score

Pass Fail

TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill Number 9-6	<u>TEST</u>		<u>RETEST</u>	
Hydraulic Rescue System				
Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard, given systems and equipment, manufacturer's specifications and instructions, and departmental policies and procedures for the systems and equipment, so that each system or piece of equipment is operated in accordance with the applicable instructions and policies. <p style="text-align: right;">(700-4.3.7)</p>				
The candidate:	S	U	S	U
a) Inspected equipment for safe operation prior to use (Ex. – looked for defects, checked oil, looked for leaks, checked wiring, looked for any missing parts)				
b) Correctly deployed, energized and monitored the system or equipment per manufacturer's specifications and instructions as well as departmental policies and procedures				
c) Recognized system problem and identify items to observe: i) While equipment is being deployed ii) While equipment is operating iii) While shutting down equipment and returning to service				
d) Corrected system problem and able to state actions required to remedy any system problem i) Item can be addressed immediately ii) Item must be taken out of service for maintenance				
e) Correctly demonstrated shutdown procedures for all equipment per manufacturer's specifications and instructions as well as departmental policies and procedures				

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Certifying Examiner

Date

Re-Test Certifying Examiner

Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill Number 9-7	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
Air Hose – Cord reel (electric or manual) or hand rolled				
Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard, given systems and equipment, manufacturer’s specifications and instructions, and departmental policies and procedures for the systems and equipment, so that each system or piece of equipment is operated in accordance with the applicable instructions and policies. <p style="text-align: right;">(700-4.3.7)</p>				
The candidate:	S	U	S	U
a) Inspected equipment for safe operation prior to use (Ex. – looked for defects, checked oil, looked for leaks, checked wiring, looked for any missing parts)				
b) Correctly deployed, energized and monitored the system or equipment per manufacturer’s specifications and instructions as well as departmental policies and procedures				
c) Recognized system problem and identify items to observe: i) While equipment is being deployed ii) While equipment is operating iii) While shutting down equipment and returning to service				
d) Corrected system problem and able to state actions required to remedy any system problem i) Item can be addressed immediately ii) Item must be taken out of service for maintenance				
e) Correctly demonstrated shutdown procedures for all equipment per manufacturer’s specifications and instructions as well as departmental policies and procedures				

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	<p>Overall Skill Sheet Score</p> <p>Pass <input type="checkbox"/> Fail <input type="checkbox"/></p> <p>Overall Skill Sheet Re-Test Score</p> <p>Pass <input type="checkbox"/> Fail <input type="checkbox"/></p>
Certifying Examiner	Date	
_____	_____	
Re-Test Certifying Examiner	Date	

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill Number 9-8	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
Hydraulic Hose – Cord reel (electric or manual) or hand rolled				
Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard, given systems and equipment, manufacturer’s specifications and instructions, and departmental policies and procedures for the systems and equipment, so that each system or piece of equipment is operated in accordance with the applicable instructions and policies. (700-4.3.7)				
The candidate:	S	U	S	U
a) Inspected equipment for safe operation prior to use (Ex. – looked for defects, checked oil, looked for leaks, checked wiring, looked for any missing parts)				
b) Correctly deployed, energized and monitored the system or equipment per manufacturer’s specifications and instructions as well as departmental policies and procedures				
c) Recognized system problem and identify items to observe: i) While equipment is being deployed ii) While equipment is operating iii) While shutting down equipment and returning to service				
d) Corrected system problem and able to state actions required to remedy any system problem i) Item can be addressed immediately ii) Item must be taken out of service for maintenance				
e) Correctly demonstrated shutdown procedures for all equipment per manufacturer’s specifications and instructions as well as departmental policies and procedures				

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	Overall Skill Sheet Score Pass <input type="checkbox"/> Fail <input type="checkbox"/> Overall Skill Sheet Re-Test Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Certifying Examiner	Date	
_____	_____	
Re-Test Certifying Examiner	Date	

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
 Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill Number 9-9	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
Lifting Equipment – Cranes, Stabilizers, A-Frames, etc.				
Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard, given systems and equipment, manufacturer’s specifications and instructions, and departmental policies and procedures for the systems and equipment, so that each system or piece of equipment is operated in accordance with the applicable instructions and policies. (700-4.3.7)				
The candidate:	S	U	S	U
a) Inspected equipment for safe operation prior to use (Ex. – looked for defects, checked oil, looked for leaks, checked wiring, looked for any missing parts)				
b) Correctly deployed, energized and monitored the system or equipment per manufacturer’s specifications and instructions as well as departmental policies and procedures				
c) Recognized system problem and identify items to observe: i) While equipment is being deployed ii) While equipment is operating iii) While shutting down equipment and returning to service				
d) Corrected system problem and able to state actions required to remedy any system problem i) Item can be addressed immediately ii) Item must be taken out of service for maintenance				
e) Correctly demonstrated shutdown procedures in a safe manner for all equipment per manufacturer’s specifications and instructions as well as departmental policies and procedures				

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TEXAS COMMISSION ON FIRE PROTECTION
Driver/Operator
Performance Standards

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	Overall Skill Sheet Score Pass <input type="checkbox"/> Fail <input type="checkbox"/> Overall Skill Sheet Re-Test Score Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Certifying Examiner	Date	
_____	_____	
Re-Test Certifying Examiner	Date	

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TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
Performance Standards

Skill Number 10
Operations-Producing Effective Streams at Draft

PERFORMANCE STANDARD

Section 700-5.2.1

NFPA 1002- 5.2.1

Driver/Operator

OBJECTIVE

Produce effective hand or master streams, given the sources specified in the following list, so that the pump is engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems:

- (1) Internal tank
- (2) Pressurized source
 - a) Connection to a hydrant
 - b) Supply line from another pumping source
- (3) Static source
- (4) Transfer from internal tank to external source

INSTRUCTIONS - procedures for achieving the objective

Given a scenario, a fire department pumper with the necessary equipment for the given scenario, the Driver/Operator-Pumper candidate shall properly position, connect, and perform a pumping operation from a pressurized water source or a draft from a static water source.

EXAMINER NOTE:

The Driver/Operator – Pumper candidate will not be allowed to review the performance steps at the time of testing. The Examiner shall provide a scenario that requires the examinee to choose either master or hand stream and either pump from draft using a static water source or pump from a pressurized water source.

PREPARATION & EQUIPMENT

Fire department pumper
Internal tank
Static water source
Pressurized water source

TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
Performance Standards

Candidate: _____ Notes: _____

Dept: _____

School: _____

Test Site: _____

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Skill Number 10				
Produce effective hand or master streams given the sources specified in the following list, so that the pump is engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle is achieved and maintained, and the apparatus is continuously monitored for potential problems (1) Internal tank (2) Pressurized source a) Connection to a hydrant b) Supply line from another pumping source (3) Static source (4) Transfer from internal tank to external source (700-5.2.1)				
The candidate:	S	U	S	U
a) Position a fire department pumper to operate at a fire hydrant or at a static water source				
b) The pump is engaged and all pressure control and vehicle safety devices are set				
c) Directs the assembly of hose lines, nozzles, valves, and appliances.				
d) The rated flow of the nozzle is achieved and maintained				
e) The apparatus is continuously monitored for potential problems				
f) Power transfer from vehicle engine to pump or draft as required by scenario				
g) Operate pumper pressure control systems				
h) Operate the volume/pressure transfer valve as required by scenario (multistage pumps only)				
i) Operate auxiliary cooling systems as required by scenario				

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TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
 Performance Standards

j) Make the transition between internal and external water sources as required by scenario				
k) Performed entire operation safely				

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

 Certifying Examiner

 Date

 Re-Test Certifying Examiner

 Date

Overall Skill Sheet Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
Overall Skill Sheet Re-Test Score	
Pass <input type="checkbox"/>	Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
Performance Standards

Skill Number 11
Operations-Relay Pumping From a Pressurized Source

PERFORMANCE STANDARD

Section 700-5.2

NFPA 1002- 5.2.2

Driver/Operator

OBJECTIVE

Pump a supply line of 65 mm (2½ in.) or larger, given a relay pumping evolution the length and size of the line and the desired flow and intake pressure, so that the correct pressure and flow are provided to the next pumper in the relay.

INSTRUCTIONS - procedures for achieving the objective

Given a fire department pumper as the source pumper, the Driver/Operator-Pumper candidate shall properly position and set up the apparatus to pump in relay to a designated relay apparatus.

EXAMINER NOTE:

The Driver/Operator – Pumper candidate will not be allowed to review the performance steps at the time of testing.

The receiving pumper needs 350 GPM.

The pumpers must be a minimum of 300 feet apart.

PREPARATION & EQUIPMENT

Two fire department pumpers

Relay pumping evolution

Minimum of 300 ft. of hose, 2 1/2 inches or larger

Hydrant wrench

Hydrant

TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
 Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Skill Number 11				
Pump a supply line of 2½ in. (65 mm.) or larger, given a relay pumping evolution the length and size of the line and the desired flow and intake pressure, so that the correct pressure and flow are provided to the next pumper in the relay. (700-5.2.2)				
The candidate:	S	U	S	U
a) Positioned the pumper to operate at a fire hydrant				
b) Performed a power transfer from vehicle engine to pump				
c) Operated pumper pressure control systems				
d) Operated the volume/pressure transfer valve (multistage pumps only)				
e) Operated auxiliary cooling systems				
f) Made the transition between internal and external water sources				
g) Assembled hose lines, nozzles, valves and appliances				
h) Provided the correct pressure and flow to the next pumper in the relay				
i) Maintained safe residual pressure				
j) Performed entire operation safely				

Examiner/Candidate Comments:

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TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
Performance Standards

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
Performance Standards

Skill Number 12

Operations-Producing a Foam Fire Stream Using an In-line or Bypass-type Eductor

PERFORMANCE STANDARD

Section 700-5.2.3

NFPA 1002-5.2.3

Driver/Operator

OBJECTIVE

Produce a foam fire stream, given foam-producing equipment, so that properly proportioned foam is provided.

INSTRUCTIONS - procedures for achieving the objective

Given a fire department pumper and foam-producing equipment, the Driver/Operator-Pumper candidate shall produce a foam fire stream so that properly proportioned foam is provided.

EXAMINER NOTE

The Driver/Operator – Pumper candidate will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

Fire department pumper
Foam-producing equipment (in-line or bypass-type eductor)
Foam or practice foam
Water source

TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
 Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Skill Number 12	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
Produce a foam fire stream, given foam-producing equipment, so that properly proportioned foam is provided. (700-5.2.3)				
The candidate:	S	U	S	U
a) Verbalized checking the eductor and nozzle for compatibility and made sure they were rated for the same flow				
b) Checked and verbalized the foam concentration listing on the side of the container matched the eductor percentage rating				
c) Set the proportioner to the proper percentage rating				
d) Attached eductor to hose or discharge outlet				
e) Selected and attached the attack hoseline				
f) Placed eductor suction into the concentrate				
g) Opened discharge valve and increased to the pressure recommended by the eductor manufacturer				
h) Set the pressure control device				
i) Produced properly proportioned foam stream				
j) Verbalized that foam hose lines and equipment would be flushed with clean water				
k) Performed entire operation safely				

Examiner/Candidate Comments:

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TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
Performance Standards

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

_____	_____	Overall Skill Sheet Score
Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
_____	_____	Overall Skill Sheet Re-Test Score
Re-Test Certifying Examiner	Date	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

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TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
Performance Standards

Skill Number 13
Operations-Supplying Water to a Fire Sprinkler System

PERFORMANCE STANDARD

Section 700-5.2.4

NFPA 1002- 5.2.4

Driver/Operator

OBJECTIVE

Supply water to fire sprinkler and standpipe systems, given specific system information and a fire department pumper, so that water is supplied to the system at the correct volume and pressure.

INSTRUCTIONS - procedures for achieving the objective

The Driver/Operator-Pumper candidate shall position a fire department pumper, connect to a hydrant and provide water supply to a fire department connection to support a fire sprinkler system.

EXAMINER NOTE

The Driver/Operator – Pumper candidate will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

Fire department pumper
Specific fire sprinkler system information
Hydrant
Minimum two 100 ft. 2 1/2 in hoses
Hydrant wrench
Supply line

TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
Performance Standards

Candidate: _____ Notes: _____

Dept: _____

School: _____

Skill Number 13	TEST		RETEST	
	PASS	FAIL	PASS	FAIL
Supply water to fire sprinkler and standpipe systems, given specific system information and a fire department pumper, so that water is supplied to the system at the correct volume and pressure. (700-5.2.4)				
The candidate:	S	U	S	U
a) Positioned the pumping apparatus to supply the FDC from a fire hydrant				
b) Performed a power transfer from vehicle engine to pump				
c) Ensured multistage pump is in the volume position, if applicable				
d) Removed caps and inspected FDC for: debris, damaged threads, and gasket				
e) Connected a minimum of two 2 1/2 in. supply lines to the FDC				
f) Established water supply from fire hydrant				
g) Supplied water to fire sprinkler system				
h) Established discharge pressure of 150 psi at FDC				
i) Operated pumper pressure control systems				
j) Operated auxiliary cooling systems				
k) Maintained safe residual pressure				
l) Performed entire operation safely				

Examiner/Candidate Comments:

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TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
Performance Standards

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Certifying Examiner

Date

Overall Skill Sheet Score

Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
-------------------------------	-------------------------------

Re-Test Certifying Examiner

Date

Overall Skill Sheet Re-Test Score

Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
-------------------------------	-------------------------------

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TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
Performance Standards

Skill Number 14
Operations-Supplying Water to a Standpipe System

PERFORMANCE STANDARD

Section 700-5.2.4

NFPA 1002-5.2.4

Driver/Operator

OBJECTIVE

Supply water to fire sprinkler and standpipe systems, given specific system information and a fire department pumper, so that water is supplied to the system at the correct volume and pressure.

INSTRUCTIONS - procedures for achieving the objective

The Driver/Operator-Pumper candidate shall position a fire department pumper, connect to a hydrant and provide water supply to a fire department connection (FDC) to support a standpipe system.

EXAMINER NOTE

The Driver/Operator – Pumper candidate will not be allowed to review the performance steps at the time of testing.

PREPARATION & EQUIPMENT

Fire department pumper
Specific standpipe system information
Hydrant
Minimum two 100 ft. 2 1/2 in hoses
Hydrant wrench
Supply line

TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
 Performance Standards

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

	<u>TEST</u>		<u>RETEST</u>	
	PASS	FAIL	PASS	FAIL
Skill Number 14				
Supply water to fire sprinkler and standpipe systems, given specific system information and a fire department pumper, so that water is supplied to the system at the correct volume and pressure. (700-5.2.4)				
The candidate:	S	U	S	U
a) Positioned the pumping apparatus to supply the FDC from a fire hydrant				
b) Performed a power transfer from vehicle engine to pump				
c) Ensured multistage pump is in the volume position (if applicable)				
d) Removed caps and inspected FDC for:				
1) Debris				
2) Damaged threads				
3) Gasket				
e) Connected a minimum of two 2 1/2 in. supply lines to the FDC				
f) Established water supply from fire hydrant				
g) Supplied water to fire standpipe system				
h) Established correct pressure at FDC				
i) Operated pumper pressure control systems				
j) Operated auxiliary cooling systems				
k) Maintained safe residual pressure				
l) Performed entire operation safely				

Examiner/Candidate Comments:

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TEXAS COMMISSION ON FIRE PROTECTION
Pump Operator
Performance Standards

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Certifying Examiner

Date

Overall Skill Sheet Score

Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
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Re-Test Certifying Examiner

Date

Overall Skill Sheet Re-Test Score

Pass <input type="checkbox"/>	Fail <input type="checkbox"/>
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DRIVER/OPERATOR – PUMPER SKILLS EQUIPMENT LIST

1. Two fully equipped and working fire department pumpers with at least one having the following features and items
 - (a) working relief valve or pressure governor
 - (b) auxiliary cooling system
 - (c) water tank
 - (d) hose for handlines and master streams
 - (e) soft suction hose
 - (f) hard suction hose with strainer
 - (g) wheel chocks
 - (h) equipment check/inspection form for one pumper
 - (i) handline and master stream nozzles
 - (j) SCBA cylinders
 - (k) flashlight
 - (l) tool kit with various hand tools
2. At least 20 traffic cones
3. Working fire hydrant
4. Drafting tank or static water source
5. Foam eductor
6. Foam or practice foam
7. Sprinkler/standpipe hookup
8. Area to perform driving skills

Driver-Operator/Pumper Skills

Discipline	Objective	No.	Skill Name	Functional Name	NFPA 1002 #
DROP	Preventive Maint.	1	Skill Number 1	Routine Tests, Inspections, and Servicing Functions	4.2.1,4.2.2
DROP	General	2	Skill Number 2	Routine Tests, Inspections, and Servicing Functions	5.1.1,4.2.2
DROP	Driving/Operating	3	Skill Number 3	Non-Emergency Driving on Public Roadway	4.3.1
DROP	Driving/Operating	4	Skill Number 4	Backing from a Roadway Into Restricted Spaces	4.3.2
DROP	Driving/Operating	5	Skill Number 5	Maneuvering Around Roadway Obstructions	4.3.3
DROP	Driving/Operating	6	Skill Number 6	Turning Vehicle 180 Degrees Within a Confined Space	4.3.4
DROP	Driving/Operating	7	Skill Number 7	Driving Vehicle Through Area With Restricted Clearances	4.3.5
DROP	Driving/Operating	8	Skill Number 8	Driving Defensively Under Emergency Conditions	4.3.6
DROP	Driving/Operating	9	Skill Number 9	Operating Apparatus Fixed Systems and Equipment	4.3.7
DROP	Operations	10	Skill Number 10	Producing Effective Streams at Draft	5.2.1
DROP	Operations	11	Skill Number 11	Relay Pumping From a Pressurized Source	5.2.2
DROP	Operations	12	Skill Number 12	Producing a Foam Fire Stream	5.2.3
DROP	Operations	13	Skill Number 13	Supplying Water to a Fire Sprinkler System	5.2.4
DROP	Operations	14	Skill Number 14	Supplying Water to a Standpipe System	5.2.4