

SKILLS MANUAL

CHAPTER SEVEN

DRIVER/OPERATOR - PUMPER

NFPA 1002, 2017 Edition

Effective January 1, 2020



Texas Commission on Fire Protection
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SKILLS MANUAL – CHAPTER SEVEN

**DRIVER/OPERATOR
PUMPER**

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 all performance skills, the scoring method for each step of the skill objective is Satisfactory (S) or Unsatisfactory (U). If any step of a skill objective is scored "Unsatisfactory", the Driver/Operator-Pumper candidate fails that skill and must be retested. Any "Unsatisfactory" rating shall require the examiner to explain the reason for the failure in writing in the comments section of the skill sheet.

Skills 1 and 2 each have two *individual skill sections*. In order to successfully pass an individual skill section, the Driver/Operator-Pumper candidate must receive satisfactory scores in all of the steps of each individual skill objective. In order to receive an overall Pass on the skill sheet, the Driver/Operator-Pumper candidate must receive a "Satisfactory" rating for all steps in both individual skill sections. If any step of an individual skill section is scored as "Unsatisfactory", the Driver/Operator-Pumper candidate fails that skill but only that individual skill objective must be retested. For example, if a candidate fails step b of part two of Skill 1, he or she must only be retested on Skill 1, part two.

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. If these skills are part of the Commission designated skills test, you may have to provide the candidate with scenarios to facilitate the testing.

Driver Operator- Pumper Skills Equipment List

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

Two Fire department pumping apparatus

Tools and equipment for tests, inspections, and servicing functions

Policies and procedures of the jurisdiction

Area to perform driving skills

Spotter

Cones

Vertical clearance crossbar prop

Simulated emergency conditions

Static Water source

Pressurized water source

Foam or practice foam

Foam educator or inline foam system

Sprinkler/standpipe prop

FDC

Driver-Operator/Pumper Skills List

| Subject | Skill # | Functional Name | NFPA 1002 # |
|------------------------|----------------|---|--------------------|
| Preventive Maintenance | 1 | Routine Tests, Inspections, and Servicing Functions | 4.2.1, 4.2.2 |
| General | 2 | Routine Tests, Inspections, and Servicing Functions | 4.2.2, 5.1.1 |
| Driving/Operating | 3 | Non-Emergency Driving on Public Roadway | 4.3.1 |
| Driving/Operating | 4 | Backing from a Roadway Into Restricted Spaces | 4.3.2 |
| Driving/Operating | 5 | Maneuvering Around Roadway Obstructions | 4.3.3 |
| Driving/Operating | 6 | Turning Vehicle 180 Degrees Within a Confined Space | 4.3.4 |
| Driving/Operating | 7 | Driving Vehicle Through Area With Restricted Horizontal and Vertical Clearances | 4.3.5 |
| Driving/Operating | 8 | Driving Defensively | 4.3.6 |
| Driving/Operating | 9 | Operating Apparatus Fixed Systems and Equipment | 4.3.7 |
| Operations | 10 | Producing Effective Streams | 5.2.1 |
| Operations | 11 | Relay Pumping | 5.2.2 |
| Operations | 12 | Producing a Foam Fire Stream | 5.2.3 |
| Operations | 13 | Supplying Water to a Fire Sprinkler System | 5.2.4 |
| Operations | 14 | Supplying Water to a Standpipe System | 5.2.4 |

TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

Skill #1

PREVENTIVE MAINTENANCE – Routine tests, Inspections, and Servicing Functions

PERFORMANCE STANDARD

Section 701

NFPA 1002, 2017 edition, 4.2.1, 4.2.2

Driver/Operator

OBJECTIVE:

Perform visual and operational checks 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(ies)
- (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
- (12) Built-in safety features

Document the visual and operational checks, 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'S NOTE

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

The Examiner should utilize the Performance Standards-Activity Sheet 1: Apparatus Test, Inspection and Service Form to determine the specific items to be inspected for each step listed on the skill sheet.

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

PREPARATION & EQUIPMENT

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

Fire department vehicle

Tools and equipment

Policies and procedures

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
 Performance Standards Evaluation

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

| Driver/Operator – Pumper | <u>TEST</u> | | <u>RETEST</u> | |
|--|--------------------|----------|----------------------|----------|
| Skill #1 | S | U | S | U |
| Perform visual and operational checks 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(ies) (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 (12) Built-in safety features (4.2.1) Document the visual and operational checks, given maintenance and inspection forms, so that all items are checked for operation and deficiencies are reported. (4.2.2) | | | | |
| PART ONE | | | | |
| The candidate tested, inspected or serviced: | S | U | S | U |
| a) Battery(ies) | | | | |
| b) Braking system | | | | |
| c) Coolant system | | | | |
| d) Electrical system | | | | |
| e) Fuel | | | | |
| f) Hydraulic fluids | | | | |
| g) Oil | | | | |
| h) Tires | | | | |

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**TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation**

| | | | | |
|--|----------|----------|----------|----------|
| i) Steering system | | | | |
| j) Belts | | | | |
| k) Tools, appliances, and equipment | | | | |
| l) Built-in safety features | | | | |
| m) Utilized hand tools and equipment as needed | | | | |
| n) Recognized system problems | | | | |
| o) Corrected any deficiencies according to policies and procedures | | | | |
| p) Performed skill in a safe and proficient manner | | | | |
| PART TWO | | | | |
| The candidate: | S | U | S | U |
| a) Correctly documented inspection | | | | |
| b) Accurately reported any deficiencies found | | | | |
| c) Completed all related departmental forms | | | | |

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

Examiner/Candidate Comments:

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 – PUMPER
Performance Standards Evaluation**

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(ies) | | |
| 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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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

| 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 | | |
| Built-in safety features | | |
| Ensured built-in safety features are in good working order | | |

Signature

Printed Name

Date

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

Skill #2

GENERAL – Routine Tests, Inspections, and Servicing Functions

PERFORMANCE STANDARD

Section 701

NFPA 1002, 2017 edition, 5.1.2, 4.2.2

Driver/Operator

OBJECTIVE:

Document the visual and operational checks, given maintenance and inspection forms, so that all items are checked for operation and deficiencies are reported. (4.2.2)

Perform the visual and operational checks on the systems and components specified in the following list in addition to those in 700-4.2.2, 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
- (5.1.2)

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'S NOTE

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

The Examiner should utilize the Performance Standards-Activity Sheet 2: Pump Test, Inspection and Service Form to determine the specific items to be inspected for each item listed on the skill sheet.

PREPARATION & EQUIPMENT

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

Fire department vehicle

Tools and equipment

Policies and procedures

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
 Performance Standards Evaluation

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

| Driver/Operator – Pumper | <u>TEST</u> | | <u>RETEST</u> | |
|---|--------------------|----------|----------------------|----------|
| Skill #2 | S | U | S | U |
| Document the visual and operational checks, given maintenance and inspection forms, so that all items are checked for operation and deficiencies are reported. <p style="text-align: right;">(4.2.2)</p> Perform the visual and operational checks on the systems and components specified in the following list in addition to those in 700-4.2.2, 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 <p style="text-align: right;">(5.1.2)</p> | | | | |
| PART ONE | | | | |
| The candidate: | S | U | S | U |
| a) Inspected water tank and other extinguishing agent levels (if applicable) | | | | |
| b) Inspected pumping systems | | | | |
| c) Inspected foam systems | | | | |
| d) Utilized hand tools and equipment as needed | | | | |
| e) Recognized system problems | | | | |
| f) Corrected any deficiencies according to policies and procedures | | | | |
| g) Performed skill in a safe and proficient manner | | | | |
| PART TWO | | | | |
| The candidate: | S | U | S | U |
| a) Correctly documented inspection | | | | |
| b) Accurately reported any deficiencies found | | | | |
| c) Completed all related departmental forms | | | | |

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

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 – PUMPER
Performance Standards Evaluation**

Performance Standards-Activity Sheet 2

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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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

Skill #3

DRIVING/OPERATING – Non-Emergency Driving on Public Roadway

PERFORMANCE STANDARD

Section 701

NFPA 1002, 2017 edition, 4.3.1

Driver/Operator

OBJECTIVE:

Operate a fire apparatus, given a vehicle and a predetermined route on a public way that incorporates the maneuvers and features 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 and departmental rules and regulations. (4.3.1)

- 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 predetermined route on a public way that incorporates the maneuvers and features that the driver/operator is expected to encounter during normal operations, while demonstrating safe and legal driving procedures on public thoroughfares.

EXAMINER'S NOTE

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

TCFP recognizes that 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. Components of this skill may be simulated as needed when performed on a closed driving course to effectively accomplish the intent of the skill, i.e., simulated railroad crossing, low clearance, intersections, etc. 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 – PUMPER
Performance Standards Evaluation

PREPARATION & EQUIPMENT

Fire department pumper

Predetermined route on a public highway

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
 Performance Standards Evaluation

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

| Driver/Operator – Pumper | <u>TEST</u> | | <u>RETEST</u> | |
|--|--------------------|----------|----------------------|----------|
| | S | U | S | U |
| Skill #3 | | | | |
| Operate a fire apparatus, given a vehicle and a predetermined route on a public way that incorporates the maneuvers and features 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 and departmental rules and regulations.(4.3.1) | | | | |
| 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 (4.3.1) | | | | |
| The candidate: | S | U | S | U |
| a) Wore seat belt and assured all passengers were secured | | | | |
| b) Completed four left turns | | | | |
| c) Completed four right turns | | | | |
| d) Drove a straight section of urban business street or a 2-lane rural road at least 1 mile (1.6km) in length | | | | |
| e) Drove one through-intersection and two intersections where a stop had to be made | | | | |

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

Skill #4

DRIVING/OPERATING – Backing from a Roadway into Restricted Spaces

PERFORMANCE STANDARD

Section 701

NFPA 1002, 2017 edition, 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 apparatus, a spotter where the spotter assists the driver in performing the maneuver: 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. (4.3.2)

INSTRUCTIONS - procedures for achieving the objective

Given a pumping apparatus and a spotter, the Driver/Operator-Pumper candidate shall back an apparatus 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'S NOTE

Skills 4 through 7 may be conducted individually or in one continuous exercise. Each Performance 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 the length of the vehicle. 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.

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

PREPARATION & EQUIPMENT

Fire department pumping apparatus
Spotter
Cones

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

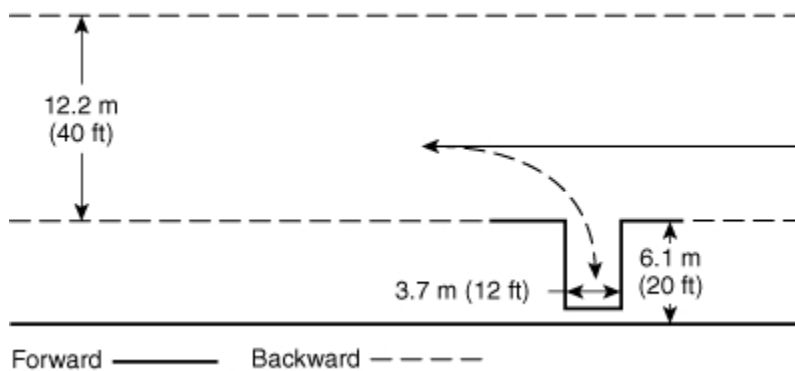
Candidate: _____ Notes: _____

Dept: _____

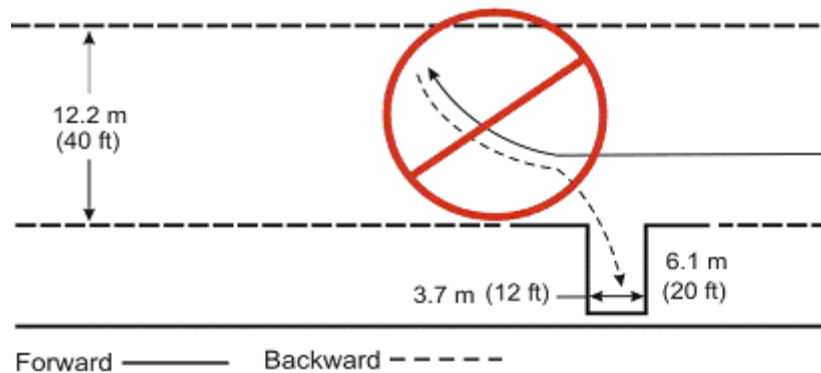
Training Provider: _____

Examiner: _____

90-degree turn required:



This type of turn not allowed:



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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
 Performance Standards Evaluation

| Driver/Operator – Pumper | TEST | | RETEST | |
|---|-------------|----------|---------------|----------|
| | S | U | S | U |
| Skill #4 | | | | |
| Back a vehicle from a roadway into restricted spaces on both the right and left sides of the vehicle, given a fire department apparatus, a spotter where the spotter assists the driver in performing the maneuver: 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. (4.3.2) | | | | |
| The candidate: | S | U | S | U |
| a) Wore seat belt and assured all passengers were secured | | | | |
| b) Backed the apparatus from a roadway into the restricted space using a 90-degree left-hand turn | | | | |
| c) Backed the apparatus from a roadway into the restricted space using a 90-degree right-hand turn | | | | |
| d) Correctly used mirrors | | | | |
| e) Correctly judged vehicle clearance | | | | |
| f) Parked within the restricted area without having to stop and pull forward | | | | |
| g) Parked within the restricted area without striking an obstruction | | | | |
| h) Performed skill in a safe and proficient manner | | | | |

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

Examiner/Candidate Comments:

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 – PUMPER
Performance Standards Evaluation

Skill #5

DRIVING/OPERATING – Maneuvering Around Roadway Obstructions

PERFORMANCE STANDARD

Section 701

NFPA 1002, 2017 edition, 4.3.3

Driver/Operator

OBJECTIVE

Maneuver a vehicle around obstructions on a roadway while moving forward and in reverse, given a fire department apparatus, a spotter where the spotter assists the driver in performing the maneuver; 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. (4.3.3)

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'S NOTE

Skills 4 through 7 may be conducted individually or in one continuous exercise. Each Performance 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.

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

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

PREPARATION & EQUIPMENT

Fire department pumping apparatus

Spotter

Cones

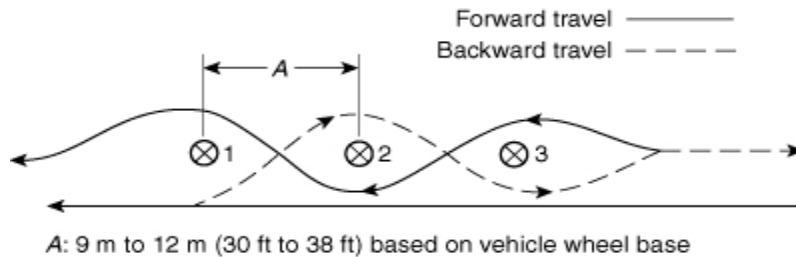
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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
 Performance Standards Evaluation

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____



| Driver/Operator - Pumper | <u>TEST</u> | | <u>RETEST</u> | |
|--|--------------------|----------|----------------------|----------|
| Skill #5 | S | U | S | U |
| Maneuver a vehicle around obstructions on a roadway while moving forward and in reverse, given a fire department apparatus, a spotter where the spotter assists the driver in performing the maneuver; 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. (4.3.3) | | | | |
| The candidate: | S | U | S | U |
| a) Wore seat belt and assured all passengers were secured | | | | |
| b) Maneuvered the vehicle around obstructions while moving backward | | | | |
| c) Maneuvered the vehicle around obstructions while moving forward | | | | |
| d) Did not stop to change the direction of travel | | | | |
| e) Did not strike an obstruction | | | | |
| f) Correctly used mirrors | | | | |
| g) Accurately judged vehicle clearance | | | | |
| h) Performed skill in a safe and proficient manner | | | | |

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

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

| | |
|-------------------------------|-------------------------------|
| Driver Skill Sheet | |
| Pass <input type="checkbox"/> | Fail <input type="checkbox"/> |
| Driver Skill Sheet Re-Test | |
| Pass <input type="checkbox"/> | Fail <input type="checkbox"/> |

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

Skill #6

DRIVING/OPERATING – Turning Vehicle 180 Degrees within a Confined Space

PERFORMANCE STANDARD

Sections 701

NFPA 1002, 2017 edition, 4.3.4

Driver/Operator

OBJECTIVE

Turn a fire apparatus 180 degrees within a confined space, given a fire department 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. (4.3.4)

INSTRUCTIONS - procedures for achieving the objective

Given a pumping apparatus and 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'S NOTE

Skills 4 through 7 may be conducted in one continuous exercise or individually. Each Performance 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

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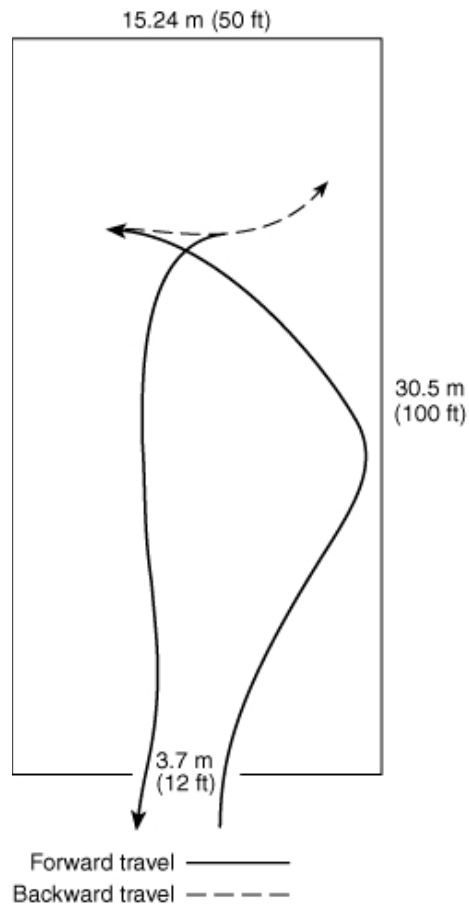
TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Examiner: _____



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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
 Performance Standards Evaluation

| Driver/Operator Pumper | <u>TEST</u> | | <u>RETEST</u> | |
|--|-------------|----------|---------------|----------|
| | S | U | S | U |
| Skill #6 | | | | |
| Turn a fire apparatus 180 degrees within a confined space, given a fire 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. (4.3.4) | | | | |
| The candidate: | S | U | S | U |
| a) Wore seat belt and assured all passengers were secured | | | | |
| b) Turned vehicle 180 degrees within the confined space | | | | |
| c) Did not strike an obstruction | | | | |
| d) Correctly used mirrors | | | | |
| e) Correctly judged vehicle clearance | | | | |
| f) Entered and exited the confined space without striking obstacles | | | | |
| g) Performed skill in a safe and proficient manner | | | | |

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

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

| | |
|-------------------------------|-------------------------------|
| Driver Skill Sheet | |
| Pass <input type="checkbox"/> | Fail <input type="checkbox"/> |
| Driver Skill Sheet Re-Test | |
| Pass <input type="checkbox"/> | Fail <input type="checkbox"/> |

TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

Skill #7

DRIVING/OPERATING – Driving Vehicle through Area With
Restricted Horizontal and Vertical Clearances

PERFORMANCE STANDARD

Sections 701

NFPA 1002, 2017 edition, 4.3.5

Driver/Operator

OBJECTIVE

Maneuver a fire apparatus in areas with restricted horizontal and vertical clearances, given a fire 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. (4.3.5)

INSTRUCTIONS - procedures for achieving the objective

Given a pumping apparatus and a specified course with horizontal and vertical clearances, 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'S NOTE

Skills 4 through 7 may be conducted individually or in one continuous exercise. Each Performance 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 speed at which a driver should operate the apparatus is optional, but it should be great enough to necessitate quick judgment. 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 gaining entry to roadways or limited-height areas, the driver/operator must allow

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

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

Cones

Vertical clearance crossbar prop

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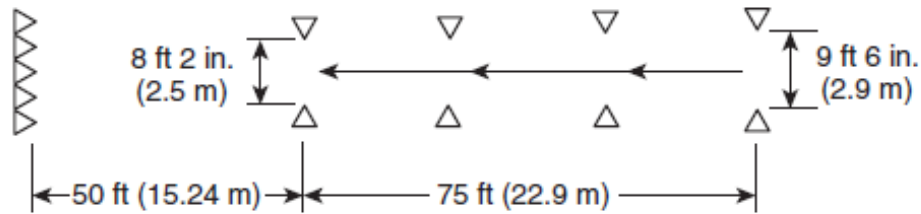
TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
 Performance Standards Evaluation

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Examiner: _____



| Driver/Operator – Pumper | <u>TEST</u> | | <u>RETEST</u> | |
|---|--------------------|----------|----------------------|----------|
| Skill Number 7 | S | U | S | U |
| Maneuver a fire apparatus in areas with restricted horizontal and vertical clearances, given a fire 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. (4.3.5) | | | | |
| The candidate: | S | U | S | U |
| a) Wore seat belt and assured all passengers were secured | | | | |
| b) Drove vehicle through required course | | | | |
| c) Did not strike an obstruction | | | | |
| d) Correctly used mirrors | | | | |
| e) Correctly judged vehicle clearance | | | | |
| f) Performed skill in a safe and proficient manner | | | | |

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

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

| | |
|-------------------------------|-------------------------------|
| Driver Skill Sheet | |
| Pass <input type="checkbox"/> | Fail <input type="checkbox"/> |
| Driver Skill Sheet Re-Test | |
| Pass <input type="checkbox"/> | Fail <input type="checkbox"/> |

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

Skill #8
DRIVING/OPERATING – Driving Defensively

PERFORMANCE STANDARD

Section 701

NFPA 1002, 2017 edition, 4.3.6

Driver/Operator

OBJECTIVE

Operate a vehicle using defensive driving techniques, given an assignment and a fire apparatus, so that control of the vehicle is maintained. (4.3.6)

INSTRUCTIONS - procedures for achieving the objective

The Driver/Operator-Pumper candidate shall operate a fire department pumper using defensive driving techniques given an assignment.

EXAMINER'S NOTE

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

Simulated emergency driving conditions should be restricted to a controlled area. Public ways should not be used for these activities. (A.4.3.6)

PREPARATION & EQUIPMENT

Fire department pumping apparatus
Simulated emergency conditions

TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
 Performance Standards Evaluation

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

| Driver/Operator – Pumper | TEST | | RETEST | |
|---|-------------|----------|---------------|----------|
| | S | U | S | U |
| Skill #8 | | | | |
| Operate a vehicle using defensive driving techniques, given an assignment and a fire apparatus, so that control of the vehicle is maintained. (4.3.6) | | | | |
| The candidate: | S | U | S | U |
| a) Wore seat belt and assured all passengers were secured | | | | |
| b) Maintained safe following distances | | | | |
| c) Maintained control of the vehicle while accelerating | | | | |
| d) Maintained control of the vehicle while decelerating | | | | |
| e) Maintained control of the vehicle while turning | | | | |
| f) Safely operated vehicle for given road, weather and traffic conditions | | | | |
| g) Safely operated vehicle under adverse environmental or driving surface conditions | | | | |
| h) Correctly used automotive gauges | | | | |
| i) Correctly used automotive controls | | | | |
| j) Followed all local and state laws | | | | |
| k) Performed skill in a safe and proficient manner | | | | |

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

Examiner/Candidate Comments:

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

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 - PUMPER
Performance Standards Evaluation

Skill #9

DRIVING/OPERATING – Operating Apparatus Fixed Systems and Equipment

PERFORMANCE STANDARD

Section 701

NFPA 1002, 2017 edition, 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. (4.3.7)

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'S NOTE

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

This skill will require the operation of several systems 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 make available the appropriate number of skill sheets to ensure that all fixed systems and equipment provided on the apparatus are tested.

PREPARATION & EQUIPMENT

Fire pumping apparatus
Systems
Equipment

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

Skill #10
OPERATIONS – Producing Effective Streams

PERFORMANCE STANDARD

Section 701

NFPA 1002, 2017 edition, 5.2.4

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 (5.2.4)

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'S 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 with internal tank
Static water source or pressurized water source

TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

Examiner/Candidate Comments:

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 – PUMPER
Performance Standards Evaluation

Skill #11
Operations - Relay Pumping

PERFORMANCE STANDARD

Section 701

NFPA 1002, 2017 edition, 5.2.5

Driver/Operator

OBJECTIVE

Pump a supply line of 2 ½ in. (65mm) 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. (5.2.5)

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'S NOTE

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

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
Pressurized water source or static water source

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
 Performance Standards Evaluation

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

| Driver/Operator – Pumper | <u>TEST</u> | | <u>RETEST</u> | |
|---|--------------------|----------|----------------------|----------|
| | S | U | S | U |
| Skill #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. <p style="text-align: right;">(5.2.5)</p> | | | | |
| The candidate: | S | U | S | U |
| a) Positioned the pumper to operate at a water source | | | | |
| b) Transferred power from vehicle engine to pump | | | | |
| c) Drafted, if a static water source is used | | | | |
| d) Operated pumper pressure control systems | | | | |
| e) Operated the volume/pressure transfer valve (multistage pumps only) | | | | |
| f) Operated auxiliary cooling systems | | | | |
| g) Made the transition between internal and external water sources, if applicable | | | | |
| h) Directed the assembly of hose lines, nozzles, valves and appliances | | | | |
| i) Provided the correct pressure and flow to the next pumper in the relay | | | | |
| j) Maintained safe residual pressure | | | | |
| k) Performed skill in a safe and proficient manner | | | | |

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

Examiner/Candidate Comments:

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

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 - PUMPER
Performance Standards Evaluation

Skill #12

OPERATIONS – Producing a Foam Fire Stream

PERFORMANCE STANDARD

Section 701

NFPA 1002, 2017 edition, 5.2.6

Driver/Operator

OBJECTIVE

Produce a foam fire stream, given foam-producing equipment, so that properly proportioned foam is provided. (5.2.6)

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'S 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
DRIVER/OPERATOR - PUMPER
 Performance Standards Evaluation

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

| Driver/Operator - Pumper | TEST | | RETEST | |
|---|----------|----------|----------|----------|
| | S | U | S | U |
| Skill #12 | | | | |
| Produce a foam fire stream, given foam-producing equipment, so that properly proportioned foam is provided. (5.2.6) | | | | |
| The candidate: | S | U | S | U |
| a) Set the proportioner to the proper percentage rating | | | | |
| b) Selected and connected the foam stream hoseline | | | | |
| c) Produced properly proportioned foam stream | | | | |
| d) Performed skill in a safe and proficient manner | | | | |

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

Examiner/Candidate Comments:

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 – PUMPER
Performance Standards Evaluation

Skill #13

OPERATIONS – Supplying Water to a Fire Sprinkler System

PERFORMANCE STANDARD

Section 701

NFPA 1002, 2014 edition, 5.2.7

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. (5.2.7)

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'S 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
FDC

TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
 Performance Standards Evaluation

Candidate: _____ Notes: _____

Dept: _____

School: _____

| Driver/Operator - Pumper | <u>TEST</u> | | <u>RETEST</u> | |
|---|--------------------|----------|----------------------|----------|
| | S | U | S | U |
| Skill #13 | S | U | S | U |
| 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. (5.2.7) | | | | |
| The candidate: | S | U | S | U |
| a) Positioned the pumping apparatus to supply the FDC from a fire hydrant or static source | | | | |
| b) Transferred power from vehicle engine to pump | | | | |
| c) Operate the volume/pressure transfer valve (multistage pumps only) | | | | |
| d) Removed cap(s) and inspected FDC for: debris, damaged threads, and gasket | | | | |
| e) Connected supply hose line(s) to the FDC | | | | |
| f) Established water supply from fire hydrant or static source | | | | |
| g) Supplied water to fire sprinkler system | | | | |
| h) Pumps appropriate pressure at FDC | | | | |
| i) Made the transition between internal and external water sources, if applicable | | | | |
| j) Operated pumper pressure control systems | | | | |
| k) Operated auxiliary cooling systems | | | | |
| l) Maintained safe residual pressure | | | | |
| m) Performed skill in a safe and proficient manner | | | | |

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

Examiner/Candidate Comments:

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

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

Certifying Examiner

Date

| |
|---|
| Driver Skill Sheet |
| Pass <input type="checkbox"/> Fail <input type="checkbox"/> |
| Driver Skill Sheet Re-Test |
| Pass <input type="checkbox"/> Fail <input type="checkbox"/> |

Re-Test Certifying Examiner

Date

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR - PUMPER
Performance Standards Evaluation

Skill #14
OPERATIONS – Supplying Water to a Standpipe System

PERFORMANCE STANDARD

Section 701

NFPA 1002, 2014 edition, 5.2.7

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. (5.2.7)

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'S 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
FDC

TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR - PUMPER
 Performance Standards Evaluation

Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

| Driver/Operator – Pumper | <u>TEST</u> | | <u>RETEST</u> | |
|---|--------------------|----------|----------------------|----------|
| | S | U | S | U |
| Skill #14 | S | U | S | U |
| 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. (5.2.7) | | | | |
| The candidate: | S | U | S | U |
| a) Positioned the pumping apparatus to supply the FDC from a fire hydrant or static source | | | | |
| b) Transferred power from vehicle engine to pump | | | | |
| c) Operated the volume/pressure transfer valve (multistage pumps only) | | | | |
| d) Removed cap(s) and inspected FDC for: debris, damaged threads, and gasket | | | | |
| e) Connected supply hose line(s) to the FDC | | | | |
| f) Established water supply from fire hydrant or static source | | | | |
| g) Supplied water to standpipe system | | | | |
| h) Pumped appropriate pressure at FDC | | | | |
| i) Made the transition between internal and external water sources, if applicable | | | | |
| j) Operated pumper pressure control systems | | | | |
| k) Operated auxiliary cooling systems | | | | |
| l) Maintained safe residual pressure | | | | |
| m) Performed skill in a safe and proficient manner | | | | |

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

Examiner/Candidate Comments:

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TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR - PUMPER
Performance Standards Evaluation

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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