



PENNSYLVANIA STATE FIRE ACADEMY PUMPER - DRIVER/OPERATOR (PDO) SKILL STATIONS

Pumper -Driver / Operator (PDO) Skill Stations

NFPA 1002 - Chapters 4 and 5 (2017 Edition)

Station A	Preventive Maintenance	Mandatory Station
Station B	Driving on Public Roadways	Mandatory Station
Station C	Obstruction Navigation	Mandatory Station
Station D	Fixed Equipment Operations	Random Station
Station E	Static Source Operations	Random Station
Station F	Foam Operations	Random Station
Station G	Pressurized Source Operations	Mandatory Station
Station H	Automatic Sprinklers / Standpipe	Random Station
Station I	Scene Control and Communications	Random Station
Station J	Fire Department Communication Systems	Random Station

NOTE: For Skill Stations A, B, and C there are equivalencies that meet the competency criteria within these skill stations and will be accepted as successful completion of the stations. The following documentation is required:

- Skill Station A Preventative Maintenance: Valid CDL with no restrictions (Tank and Air Brake)
- Skill Station B Driving, Public Roadway: Valid CDL with no restrictions (Tank and Air Brake)
- Skill Station C Obstruction Navigation: Valid CDL with no restrictions (Tank and Air Brake)

OR

PSFA EVOT/EVDT/EVOC course, 16-hour (See notes below)

Emergency Vehicle Operator Training (EVOT) OR Emergency Vehicle Driver Training (EVDT): An EVOT **OR** EVDT certificate **MUST** indicate the type of apparatus / vehicle operated by the candidate to complete the obstacle course. If unable to verify type / size of apparatus utilized to complete the training, Station C becomes mandatory. The EVOT/EVDT **MUST** be an approved or recognized PSFA Local Level training course taught by a PSFA accredited instructor, and be for both cognitive knowledge (i.e., classroom) and practical skills instruction.

Emergency Vehicle Operators Course (EVOC): If using EVOC for Station C (Navigation), the candidate **MUST** provide a certificate of attendance for a 16-hour Emergency Vehicle Operators Course (EVOC) in which the individual completed the course using the apparatus in question. If the candidate is unable to verify type / size of apparatus utilized to complete the training, Station C becomes mandatory. The EVOC **MUST** be an approved or recognized PSFA Local Level Training course taught by a PSFA accredited instructor, and and be for both cognitive knowledge (i.e., classroom) and practical skills instruction.

To prove pre-existing competency in a skill station, ALL documentation MUST be submitted with the application before beginning the test process.



PENNSYLVANIA STATE FIRE ACADEMY PUMPER - DRIVER/OPERATOR (PDO) SKILL STATIONS

STATION A – Preventive Maintenance		Reference NFPA 1002 (2017 Edition), Chapters 4 & 5 Mandatory Station: JPRs 4.2.1, 4.2.2, 5.1.2	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial ____ Retest

Evaluator Notes: If a task (i.e. foam system) is not applicable, please mark *n/a* and provide a comment, then calculate PASS on all remaining tasks. Also, candidates **MUST conduct the air brake checks:** pressure leakage (brake applied and not applied); low air warning; spring-brake activation; air pressure build; lug test; and service check.

Directions: Using appropriate PPE and given the manufacturer’s specifications, and local procedures, perform visual and operational checks on the systems and components of a fire department apparatus, and service and correct (as able) any deficiencies found so that the operational status of the apparatus is verified. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **18 of 18** tasks being correctly performed.

No.	Tasks	Yes	No
1	Checks battery(s) for condition, connections, charging, and fluid		
2	Checks braking system for damage, leaks, and all checks noted in the evaluator notes		
3	Checks coolant system for leaks, hose conditions, and system integrity		
4	Checks vehicle electrical system, including functionally of all components		
5	Checks fuel system integrity		
6	Checks hydraulic fluids and system integrity (if applicable)		
7	Checks oil and other fluids for capacity and system integrity		
8	Checks tire thread depth, thread wear, condition, and pressure		
9	Checks steering system for smooth operation, fluid levels, excessive free play and integrity		
10	Checks belts for wear, tension, and condition		
11	Checks that all tools, appliances and equipment are securely mounted		
12	Checks built-in safety features (if applicable)		
13	Performs a visual & operational check on the water tank & other extinguishing agents		
14	Performs visual and operational check on the pump system		
15	Performs a visual and operational check on the foam system (if applicable)		
16	Recognizes a system problem(s) and document on departmental forms the visual and operational checks and reports any deficiencies according to policies		
17	Utilizes hand tools to correct any noted problem in accord with department policy (if applicable)		
18	Completes all tasks without compromising personal safety		
Please indicate skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____

Evaluator # _____



PENNSYLVANIA STATE FIRE ACADEMY PUMPER - DRIVER/OPERATOR (PDO) SKILL STATIONS

STATION B – Driving on Public Roadways		Reference NFPA 1002 (2017 Edition), Chapter 4 Mandatory Station JPR 4.3.1	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial ____ Retest

Directions: Operate a fire department vehicle, given a vehicle and a predetermined route on a public roadway that incorporates the maneuvers and features as specified in the following tasks which a driver/operator is expected to encounter during normal operations, so that the vehicle is safely operated in compliance with all applicable state and local laws and departmental rules and regulations. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **15 of 15** tasks being correctly performed.

No.	Tasks	Yes	No
1	Utilizes passenger restraint systems as appropriate		
2	Adjusts mirrors, seat height and steering wheel as appropriate		
3	Scans dashboard instruments routinely and can provide instrument information		
4	Negotiates four left and four right turns		
5	Negotiates a straight section of urban business street or two-lane rural road of at least 1 mile (1.6 km) in length		
6	Negotiates one through-intersection and two intersections where a stop must be made		
7	Negotiates one railroad crossing		
8	Negotiates one curve (either left or right)		
9	Negotiates a section of limited-access highway which includes a conventional ramp entrance and exit, and a section of road long enough to allow two lane changes.		
10	Negotiates a downgrade steep and long enough to require down-shifting and braking		
11	Negotiates an upgrade steep and long enough to require gear change to maintain speed		
12	Negotiates one underpass or a low clearance bridge		
13	Maintain safe following distance with other vehicles throughout the trip		
14	Identifies the height, weight, and length of the apparatus		
15	Completes all tasks without compromising personal safety		
Please indicate skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____ **Evaluator #** _____



PENNSYLVANIA STATE FIRE ACADEMY PUMPER - DRIVER/OPERATOR (PDO) SKILL STATIONS

STATION C – Obstruction Navigation		Reference NFPA 1002 (2017 Edition), Chapter 4 Mandatory Station JPRs 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.3.6	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial ____ Retest

Directions: Operate a fire department vehicle, given a vehicle and a predetermined route on a public roadway which incorporates the maneuvers and features specified in the following tasks which a driver/operator is expected to encounter during normal operations, so that the vehicle is safely operated in compliance with all applicable state and local laws and departmental rules and regulations. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **6 of 6** tasks being correctly performed.

No.	Tasks	Yes	No
1	Back a vehicle from a roadway into a restricted space from both the right and left sides of the vehicle, given a fire department vehicle, a spotter, and restricted spaces 12ft (3.66 m) in width, requiring 90-degree right-hand and left-hand turns from the roadway, so that the vehicle is parked within the restricted area without having to stop and pull forward and without striking obstructions.		
2	Operate the vehicle around roadway obstructions 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 direction of travel and without striking obstructions.		
3	Turn a fire department vehicle 180 degrees within a confined space, given a fire department vehicle, a spotter for backing, 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 confined space.		
4	Maneuver a fire department vehicle in areas with restricted horizontal and vertical clearances, given a fire department vehicle and a course requiring the operator to move through areas with restricted horizontal and vertical clearances, so that the operator accurately judges the ability of the vehicle to pass through the openings and that no obstructions are hit.		
5	Operate a fire department vehicle using defensive driving techniques under emergency conditions so that vehicle control is maintained.		
6	Demonstrates ability to utilize mirrors while operating the apparatus		
Please indicate skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____

Evaluator # _____



PENNSYLVANIA STATE FIRE ACADEMY PUMPER - DRIVER/OPERATOR (PDO) SKILL STATIONS

STATION D – Fixed Equipment Operations		Reference NFPA 1002 (2017 Edition), Chapter 4 Random Station: JPR 4.3.7	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial ____ Retest

Directions: Given system and equipment, manufacturer’s specifications and instructions, and departmental policies and procedures, operate in accordance with applicable instructions and policies all fixed systems and equipment on the apparatus not specifically addressed elsewhere in this standard. Types of equipment and systems include but are not limited to: electric generation equipment, lighting systems, air compressors, air cascade systems, hydraulic rescue tool systems, power reels for air or hydraulic hoses, cranes and stabilizers, and A-frames or other lifting equipment. Other equipment may include such items as portable pumps, exhaust fans, saws and cord reels. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **5 of 5** tasks being correctly performed.

No.	Tasks	Yes	No
	List Equipment Operated:		
1	_____	_____	_____
2	_____	_____	_____
3	_____	_____	_____
4	_____	_____	_____
5	Completes all tasks without compromising personal safety		
Please indicate skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____ **Evaluator #** _____



PENNSYLVANIA STATE FIRE ACADEMY PUMPER - DRIVER/OPERATOR (PDO) SKILL STATIONS

STATION E – Static Source Operations		Reference NFPA 1002 (2017 Edition), Chapter 5 Random Station: JPRs 5.2.3, 5.2.4 (3)	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial ____ Retest

Evaluator Note: For Task 11, please indicate the type of pressure control device used.

Directions: Given a static water source, produce an effective hand-line or master stream(s) so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle(s) is achieved and maintained, and the apparatus is continuously monitored for potential problems. Do you have any questions?

Performance Outcome: Pass / Fail will be determined by **12 of 12** tasks being correctly performed.

No.	Tasks	Yes	No
1	Selects proper suction hose / hoses (size, lengths)		
2	Selects proper strainer equipment		
3	Makes necessary hose / appliance connections		
4	Identifies pumper suction connection		
5	Connects assembled hose / strainer to pumper suction port		
6	Places strainer in water and properly secures the same		
7	Engages the pump		
8	Establishes a draft		
9	Charges appropriate hand line(s) or master stream		
10	Adjusts pressure to obtain correct flow(s)		
11	Sets pressure control device: ____ Manual ____ Automatic		
12	Completes all tasks without compromising personal safety		
Please indicate skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____ **Evaluator #** _____



PENNSYLVANIA STATE FIRE ACADEMY PUMPER - DRIVER/OPERATOR (PDO) SKILL STATIONS

STATION F – Foam Operations		Reference NFPA 1002 (2017 Edition), Chapter 5 Random Station: JPR 5.2.6	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial ____ Retest

Evaluator Note: For Task 1 on checklist below, please check the type of system and foam used.

Directions: Given an apparatus onboard water tank, produce an effective hand-line stream(s) so that the pump is safely engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle(s) is achieved and maintained, and the apparatus is continuously monitored for potential problems. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **4 of 4** tasks being correctly performed.

No.	Tasks	Yes	No
1	Establishes a foam stream with available equipment:		
	<u>Foam System</u>	<u>Class A or B Foam</u>	
	____ Portable Educator	____ Class A	
	____ On-Board	____ Class A (CAFS) ____ Class B	
2	Establishes the proper engine pressure for equipment provided		
3	Establishes a properly proportioned foam stream(s)		
4	Completes all tasks without compromising personal safety		
Please indicate skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____ **Evaluator #** _____



PENNSYLVANIA STATE FIRE ACADEMY PUMPER - DRIVER/OPERATOR (PDO) SKILL STATIONS

STATION G – Pressurized Water Source Operations		Reference NFPA 1002 (2017 Edition), Chapter 5 Mandatory Station: JPRs 4.4.1, 5.2.4 (1, 2, 4), 5.2.3, 5.2.5	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial ____ Retest

Evaluator Note: For Task 4 below, please indicate the type of pressure control device used.

Directions: Given a pressurized water source, safely engage the pump and maintain a given flow during a relay pumping operation. Establish a water supply using on-board water, set all pressure control and vehicle safety devices, and maintain the rated flow for a given relay configuration. Once established, connect to a hydrant, transfer the water supply from on-board to the external source, maintain the flow, monitor the operations for problems, notify the relay engine of supply status, refill the on-board tank, and shut down the water supply when directed. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **13 of 13** tasks being correctly performed.

No.	Tasks	Yes	No
1	Make appropriate connections to supply an additional engine		
2	Engages pump and establishes water supply using on-board/tank water		
3	Adjusts pressure to obtain correct flow		
4	Sets pressure control device: ____ Manual ____ Automatic		
5	Hand lays supply line and a makes hydrant-to-pumper connection		
6	Opens hydrant fully and charges the line		
7	Makes the transition from an internal to external water source		
8	Ensures the on-board water tank is refilled		
9	Using the pressurized source, assures the relay to supply an additional engine is maintained with correct flow and pressure		
10	Notifies relay engine via department communications equipment of water supply shutdown		
11	Shuts down the relay supply and disconnects the supply line		
12	Shuts down the hydrant feed and disconnects the from hydrant		
13	Completes all tasks without compromising personal safety		
Please indicate skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____

Evaluator # _____



PENNSYLVANIA STATE FIRE ACADEMY PUMPER - DRIVER/OPERATOR (PDO) SKILL STATIONS

STATION H – Automatic Sprinkler / Standpipe Operations		Reference NFPA 1002 (2017 Edition), Chapter 5 Random Station JPR 5.2.7	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial ____ Retest

Evaluator Note: a) Task 4 is based on the specific scenario information provided by the test site.
b) Task 5 on the checklist below, please indicate the type of device used.

Directions: Given a water source and specific system information, supply water to a fire sprinkler / standpipe system so that water is supplied to the system at the correct volume and pressure for a specified configuration, the pump is safely engaged, all pressure control and vehicle safety devices are set, and the apparatus is continuously monitored for potential problems. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **6 of 6** tasks being correctly performed.

No.	Tasks	Yes	No
1	Make appropriate connections to supply a standpipe / sprinkler system		
2	Engages pump		
3	Establishes a water flow		
4	Adjusts pressure to obtain correct volume (based on scenario information)		
5	Sets pressure control device: ____ Manual ____ Automatic		
6	Completes all tasks without compromising personal safety		
Please indicate skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____ **Evaluator #** _____



PENNSYLVANIA STATE FIRE ACADEMY PUMPER - DRIVER/OPERATOR (PDO) SKILL STATIONS

STATION I – Scene Control and Communications		Reference NFPA 1002 (2017 Edition), Chapters 4 & 5 Random Station JPRs 4.4.3, 4.4.4, 4.4.1, 5.2.1, 5.2.2	
Test Site	Test Date	Candidate #	Check the Test Type _____ Initial _____ Retest

Evaluator Note: As the incident commander and using a radio communications system, provide a traffic control assignment and an order to initiate an emergency procedure (e.g., clear working scene due to oncoming un-attentive traffic).

Directions: Given PPE and an equipped fire apparatus, properly don your PPE, board the apparatus and prepare yourself for travel. Upon command from the evaluator, dismount the apparatus and complete the following assignments: place warning / scene control devices and establish a traffic / safe work zone; demonstrate the ability to use fire department communications systems, and be prepared to initiate an emergency procedure to clear the work zone. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **8 of 10** tasks being correctly performed.

No.	Tasks	Yes	No
1	Wears all required protective clothing for the given traffic scenario		
2	Receives and confirms work zone / traffic control assignment via radio communications from the incident command		
3	Uses handrails / secures good footing while dismounting		
4	Places warning devices appropriately (i.e., 100 – 1,500 feet up stream from traffic)		
5	Identifies the work zone downstream of traffic		
6	Establishes a one lane taper zone (75 – 100 feet) from apparatus using appropriate equipment		
7	Receives and confirms via radio and initiates per SOP an emergency procedure / evacuation signal based on the order from incident command to clear the work zone		
8	Disassembles work zone		
9	Always faces approaching traffic when picking up the traffic control devices		
10	Completes all tasks without compromising personal safety		
Please indicate skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____ **Evaluator #** _____



PENNSYLVANIA STATE FIRE ACADEMY PUMPER - DRIVER/OPERATOR (PDO) SKILL STATIONS

STATION J – Fire Dept. Communication Systems		Reference NFPA 1002 (2017 Edition) Chapter 4 Random Station JPRs 4.4.2, 4.4.1	
Test Site	Test Date	Candidate #	Check the Test Type ____ Initial ____ Retest

Directions: Given a fire department phone and/or an intercom system and a procedure, answer the telephone or operate the intercom system so that a message is appropriately relayed. Do you have any questions?

Performance Outcome: Pass / Fail is determined by **6 of 8** tasks being correctly performed.

No.	Tasks	Yes	No
1	Operates fire department telephone or intercom system correctly and follows department procedures for answering a non-emergency call		
2	Listens actively to the caller and records the message correctly		
3	Interacted with caller appropriately and courteously (greeting, tone of voice, and closing)		
4	Identifies appropriate distribution method and properly distribute information in a timely manner (handwritten or electronic message, specific place to post message)		
5	Follows departmental SOPs for taking and receiving alarms, radio codes, or procedures		
6	Aware of procedures for reporting an emergency		
7	Aware of information needs of dispatch center		
8	Completes tasks appropriately and in a professional manner		
Please circle final skill outcome		PASS	FAIL

Evaluator Comments: _____

Evaluator Signature: _____

Evaluator # _____