



**TENNESSEE COMMISSION ON
FIRE FIGHTING PERSONNEL STANDARDS AND EDUCATION**



**IN HOUSE PRACTICAL EXAMINATIONS
FAO/AADO/PDO
FOR FIRE DEPARTMENTS**

Department of Commerce and Insurance, Authorization No. 335388, 450 copies,
February 2010. This public document was promulgated at a cost of \$4.04 per copy.

Contained in this booklet are the practical examinations to be utilized by fire departments in Tennessee for in-house practical examinations for the following levels of certification:

- Aerial Apparatus Driver Operator
- Pumper Driver/Operator
- Fire Apparatus Operator Combines both AADO & PDO

These examinations have been developed from the latest editions of the NFPA Standards applicable to each level of certification.

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In order to qualify to challenge the written examination for one of these levels of certifications, a candidate must first be administered the practical examination as defined in the following pages. **All Skill Sheets for a level must be passed in order to successfully complete the practical examination.** All skills must be accomplished in accordance with applicable NFPA Standards and your fire department's SOPs/SOGs.

All candidates shall be in full personal protective equipment (no SCBA) when conducting aerial ladder operations (outriggers, ladder raising and retracting) and pumper operations (setting pressures, working with charged lines) and or master streams.

The completed Skill Sheets are to be kept on file in the fire department for each applicant for a period of at least 3 years from the date the applicant receives certification for that level. It is permissible for the completed skill sheets to be scanned into a pdf file for easier storage. These practicals are subject to audit by the Commission.

Please note that on skill sheets where the skill calls for a scenario to be utilized, it the responsibility of the Training Officer or Certified Evaluator to develop the scenario to be used for that practical examination. The scenarios should be changed periodically to ensure security of the practical examinations being administered.

The "In House Practical Sign-off Sheet" must also be completed and must be attached to the person's training record in Acadis at least two weeks prior to the written exam event". A copy of this sheet should be maintained on file in the fire department.

In accordance with the Commission's Rules and Regulations, this practical will be good from one year from the date the candidate first takes a written examination. Should the applicant have not passed the written examination after one year, the candidate will be required to take a new practical examination.

If a fire department would like to develop their own practical examination for any of these levels of certification, the practical must be submitted to the Commission for approval. Along with the practical, the department must submit a correlation sheet showing how all of the skills objectives outlined in the appropriate NFPA Standard are testing in the practical developed. The information submitted will be reviewed by the Commission at its next regularly scheduled meeting. In this instance, a statement signed by both the applicant and Training Officer must be attached to the "Application for Written Examination" certifying to the Commission that the practical examination approved by the Commission was completed and noting the date(s) of completion. The skill sheets must be kept on file and are subject to audit by the Commission.

IMPORTANT: When standards change a grace period will be allowed, after that, no old practicals will be accepted. All applicants must complete a new practical in accordance with the latest NFPA Standards and these guidelines in order to be eligible to challenge a written examination.



STATE OF TENNESSEE
DEPARTMENT OF COMMERCE AND INSURANCE
COMMISSION ON FIRE FIGHTING

2161 Unionville Deason Road
Bell Buckle, TENNESSEE 37020
931-294-4140

IN HOUSE PRACTICAL SIGN-OFF SHEET

This form is to be completed and attached to the Application for Written Examination for practicals in which the fire department is administering an in-house practical. The individual skill sheets completed by the applicant are to be maintained on file within the fire department and are subject to audit by the Commission.

Fire Department: _____

Applicant's Name: _____ SS # _____

Level of Practical (check one): FAO ___ PDO ___ AADO ___ WFFI ___ WFFII ___

Date(s) practical completed: _____

Skill Sheet Number	Pass / Fail		Date	Evaluator Initials	RETEST		Evaluator Initials	
	Pass	Fail			Pass	Fail		Date
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____

**AERIAL APPARATUS
DRIVER/OPERATOR**

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR
(AADO)

Skill No. AADO-1 Standard: 4.2.1,4.2.2 NFPA 1002 2014 Edition	Primary Task: Perform routine tests, inspections and servicing functions specified in the following list given a fire department aerial apparatus and its manufacturer's specifications, so that the operational status of the pumper is verified and documented				
Performance Outcome: The ability to use hand tools, recognize system problems and correct any deficiency noted according to policies and procedures.					
Equipment Required: A fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms					
Task Steps				Pass	Fail
1. Batteries					
2. Braking system					
3. Coolant system					
4. Electrical system					
5. Fuel					
6. Hydraulic fluid					
7. Oil					
8. Tires					
9. Steering system					
10. Belts					
11. Tools, appliances and equipment					
12. Stabilizing systems					
13. Inspect turntable assembly					
14. Inspect aerial device communication system					
15. Inspect aerial device extension/retracting system					
16. Inspect elevation/lifting cylinders					
17. Inspect the aerial ladder sections (fly, mid(s)) base					
18. Inspect aerial waterway and nozzle position					
19. Inspect equipment attached to any portion of the aerial device or ladder sections					
♦20. The candidate shall wear eye protection while performing this test and complete forms					
♦ Critical Step - Failure on this step mandates failure on the entire objective!		Total steps candidate must complete to pass:	14	TOTALS	
Test Date _____ Location: _____					
Candidate _____ SS# _____					
Candidate's Fire Dept. _____					
Evaluator Signature(s) _____					

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER OPERATOR
(AADO)

Skill No. AADO-2 Standard: 4.3.1 NFPA 1002 2014 Edition	Primary Task: The fire apparatus driver/operator, given a fire department aerial apparatus, shall demonstrate the ability to prepare the aerial apparatus to be driven.			
Performance Outcome: Preliminary apparatus inspection				
Equipment Required: Fire department aerial apparatus				
Task Steps			Pass	Fail
1. Check and adjust the driver's seat				
2. Check and adjust the vehicle's mirrors				
♦3. Fasten seatbelts PRIOR to placing the aerial apparatus in motion				
♦4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion				
♦ Critical Step - Failure on this step mandates failure on the entire objective	Total steps candidate must complete to pass:	3	TOTALS	
Test Date _____ Location: _____				
Candidate _____ SS# _____				
Candidate's Fire Dept. _____				
Evaluator Signature(s) _____				

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR
(AADO)

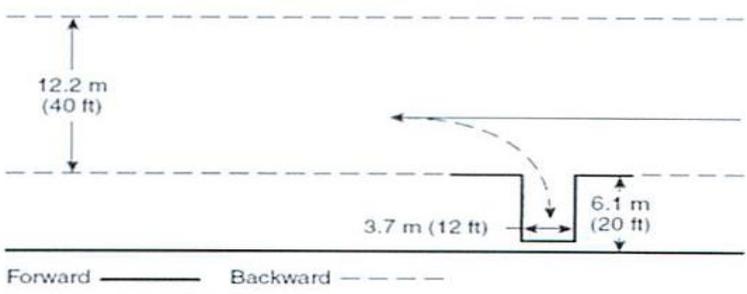
<p>Skill No. AADO-4</p> <p>Standard: 4.3.2 NFPA 1002 2014 Edition</p>	<p>Primary Task: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department aerial apparatus and a spotter for backing so that each exercise is performed safely without, striking the vehicle or any obstructions</p>
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Performance Outcome: Back a vehicle from a roadway into restricted spaces on both the right and left sides of the vehicle, given a fire department aerial apparatus, spotter and restricted spaces 12 feet in width requiring a 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/or pull forward and without striking any obstructions

Equipment Required: A fire department aerial apparatus

Task Steps	Pass	Fail
1. Back the aerial apparatus into restricted space on the right side without having to stop and/or pull forward and without striking an obstruction		
2. Back the aerial apparatus into restricted space on the left side without having to stop and/or pull forward and without striking any obstructions		
3. Do not allow the aerial apparatus to leave the course boundaries		
◆4. Fasten seatbelts PRIOR to placing the aerial apparatus in motion		
◆5. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion		
◆6. Properly deploys a spotter during the backing process		

Alley Dock Exercise



<p>◆ Critical Step - Failure on this step mandates failure on the entire objective!</p>	<p>Total steps candidate must complete to pass:</p>	<p>5</p>	<p>TOTALS</p>		
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Test Date _____ Location: _____

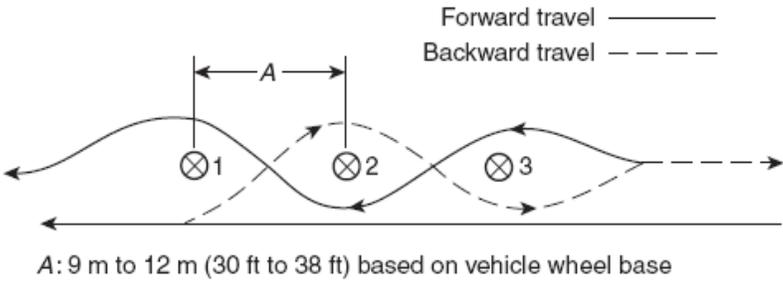
Candidate _____ SS#: _____

Candidate's Fire Dept. _____

Evaluator Signature(s) _____

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR
(AADO)

Skill No. AADO-5 Standard: 4.3.3 NFPA 1002 2014 Edition	Primary Task: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department aerial apparatus and a spotter for backing so that each exercise is performed safely without striking the vehicle or any obstructions			
Performance Outcome: Maneuver a fire department aerial apparatus around obstructions on a roadway while moving forward and in reverse, given a fire department vehicle, spotter for backing and a roadway for obstructions so that the vehicle is maneuvered through the obstacle without stopping and/or changing the direction of travel and without striking any obstructions				
Equipment Required: A fully-equipped fire department aerial apparatus				
Task Steps			Pass	Fail
1. Maneuver the aerial apparatus forward around obstructions without stopping and/or changing direction of travel and without striking any obstructions				
2. Maneuver the aerial apparatus in reverse around obstructions without stopping and/or changing direction of travel and without striking any obstructions				
3. Do not allow the aerial apparatus to leave the course boundaries				
♦4. Fasten seatbelt PRIOR to placing the aerial apparatus in motion				
♦5. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion				
♦6. Properly deploys a spotter during the backing process				
<div style="text-align: center;">  <p style="text-align: center;">A: 9 m to 12 m (30 ft to 38 ft) based on vehicle wheel base</p> </div>				
♦ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	5	TOTALS	
Test Date _____ Location: _____ Candidate _____ SS# _____ Candidate's Fire Dept. _____ Evaluator Signature(s) _____				

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR
(AADO)

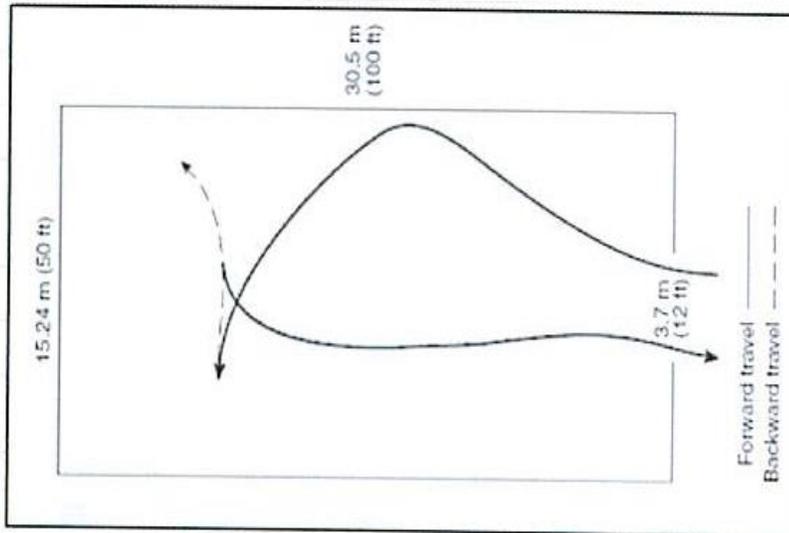
<p>Skill No. AADO-6</p> <p>Standard: 4.3.4 NFPA 1002 2014 Edition</p>	<p>Primary Task: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department aerial apparatus and a spotter for backing so that each exercise is performed safely without striking the vehicle or any obstructions.</p>
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Performance Outcome: 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 any obstructions within the given space.

Equipment Required: A fully-equipped fire department aerial apparatus

Task Steps	Pass	Fail
1. Turn the aerial apparatus 180 degrees within a confined space without striking obstructions		
2. Do not allow the aerial apparatus to leave course boundaries		
◆3. Fasten seatbelt PRIOR to placing the aerial apparatus in motion		
◆4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion		
◆5. Properly deploys a spotter during the backing process.		

Confined Space Turn Around



<p>◆ Critical Step - Failure on this step mandates failure on the entire objective!</p>	<p>Total steps candidate must complete to pass:</p>	<p>4</p>	<p>TOTALS</p>		
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Test Date _____ Location: _____

Candidate _____ SS# _____

Candidate's Fire Dept. _____

Evaluator Signature(s) _____

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR
(AADO)

<p>Skill No: AADO-7</p> <p>Standard: 4.3.5 NFPA 1002 2014 Edition</p>	<p>Primary Task: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department aerial apparatus and a spotter for backing, so that each exercise is performed safely without striking the vehicle or any obstructions</p>
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Performance Outcome: 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 forward 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

Equipment Required: A fully-equipped fire department aerial apparatus

Task Steps	Pass	Fail
1. Maneuver the aerial apparatus forward through the diminishing clearance exercise without striking any obstructions		
2. Do not allow the aerial apparatus to cross over the finishing line		
♦3. Fasten seatbelt PRIOR to placing the aerial apparatus in motion		
♦4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the aerial apparatus in motion.		
♦5. Properly deploys a spotter during the backing process.		

Diminishing Clearance

♦ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	4	TOTALS		
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Test Date _____ Location: _____
Candidate _____ SS# _____
Candidate's Fire Dept. _____
Evaluator Signature(s) _____

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR
(AADO)

Skill No.: AADO-8 Standard: 6.1.1 NFPA 1002 2014 Edition	Primary Task: Perform routine tests, inspections and servicing functions specified in the following list in addition to those specified in 4.2.1				
Performance Outcome: The ability to perform routine test, inspections and servicing functions in addition to those specified in 4.2.1 while following all manufacture and local jurisdictions policies and procedures					
Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms					
Task Steps			Pass	Fail.	
1. Cable systems (if applicable)					
2. Aerial device hydraulic systems					
3. Slides and rollers					
4. Stabilizing systems					
5. Aerial device safety systems					
6. Breathing air systems					
7. Communication systems					
♦ Critical Step - Failure on this step mandate failure on the entire objective!	Total steps candidate must complete to pass:	5	TOTALS		
Test Date _____ Location: _____ Candidate _____ SS# _____ Candidate's Fire Dept. _____ Evaluator Signature(s) _____					

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR
(AADO)

Skill No.: AADO-9		Primary Task: Given an aerial apparatus, maneuver, position and stabilize the vehicle per manufacturer's recommendations so the power can be transferred to the aerial device hydraulic system and the device can be safely deployed and reach its intended target.	
Standard: 6.2.1, 6.2.2 NFPA 1002 2014 Edition			
Performance Outcome. The ability to transfer power from the vehicles engine to the hydraulic system and operate vehicle stabilization and aerial devices in safe manner so that objectives are met.			
Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms			
Task Steps		Pass	Fail
1. Ensure the apparatus placement is appropriate for the assigned task			
2. Set the parking brake			
3. Place transmission selector in the appropriate gear recommended by the manufacturer			
4. Activate the PTO system			
5. Place the transmission selector in the appropriate gear recommended by the manufacturer for the assigned task			
6. Check for overhead obstructions and ensure proper apparatus placement			
◆7. Dons full personal protective equipment			
◆8. Chock both in front of and behind the tire of the appropriate wheel(s) on both sides of The apparatus (based on manufacturer's recommendation)			
◆9. Check the expected travel path of the stabilizers for obstructions and/or limiting factors			
10. Check the ground surface for stability and proper conditions			
11. Deploy and properly place the stabilizer ground pads			
12. Properly deploy the stabilizers			
13. Raise the apparatus to its working position, as close to level as possible			
14. Lock the stabilizers by manufacturer's recommendations (holding valves, interlock feature safety pins or combination of features)			
◆ Critical Step - Failure on this step mandates failure on the entire objective!		10	TOTALS
Total steps candidate must complete to pass:			
Test Date _____ Location: _____			
Candidate _____ SS# _____			
Candidate's Fire Dept. _____			
Evaluator Signature(s) _____			

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR
(AADO)

Skill No. AADO-10 Standard: 6.2.3 NFPA 1002 2014 Edition	Primary Task: Maneuver and position the aerial device from each control station, given an incident location, a situation description, and an assignment, so that the aerial device is properly positioned to safely accomplish the assignment				
Performance Outcome: The ability to raise, rotate, extend and position to a specified location and the ability to lock, unlock, retract, lower and bed the aerial device. The aerial apparatus operator will properly raise and position the aerial device to perform window ventilation from the _____ window from the left/right of the _____ floor of a multiple story building on the _____ side. The wind is out of the _____ at _____ mph.					
Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms					
Task Steps			Pass	Fail	
1. Ensure all safety devices are in place and are properly used by the operator					
♦2. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.					
3. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target					
4. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is inline with the intended target (to the upwind side)					
5. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target					
6. Lower the aerial device to the objective (slightly above the window)					
7. Align aerial device ladder rungs					
8. Refers to aerial load chart for proper ladder and tip loads					
9. Clears firefighters to safely climb the aerial ladder					
♦ Critical Step - Failure on this step mandates failure on the entire objective.	Total steps candidate must complete to pass:	7	TOTALS		
Test Date _____ Location: _____ Candidate _____ SS# _____ Candidate's Fire Dept. _____ Evaluator Signature(s) _____					

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR
(AADO)

Skill No. AADO-11 Standards: 6.2.4 NFPA 1002 2014 Edition	Primary Task: After raising aerial in accordance with 6.2.3, firefighter will lower aerial, using the emergency operating system, so that the aerial is lowered to its bedded position.			
Performance Outcome: The ability to raise the aerial in accordance with 6.2.3. The operator will lower the aerial to the bedded position using the emergency operating system. The operator will adhere to the manufactures guidelines and adhere to all departmental policies and procedures				
Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms				
Task Steps			Pass	Fail
1. Ensure all safety devices are in place and are properly used by the operator				
♦2. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)				
3. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target				
4. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in-line with the intended target (to the upwind side)				
5. Extended the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target				
6. Lower the aerial device to the objective (slightly above the window)				
7. Align aerial device ladder rungs				
8. Refers to aerial load chart for proper ladder and tip loads				
9. Lowers aerial to bedded position using emergency operating systems				
♦ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	7	TOTALS	
Test Date _____ Location: _____ Candidate _____ SS# _____ Candidate's Fire Dept. _____ Evaluator Signature(s) _____				

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR
(AADO)

Skill No: AADO-12 Standards: 6.2.5 NFPA 1002 2014 Edition		Primary Task: Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream is effective and the device is operated safely			
Performance Outcome: The ability to connect a water supply to a master stream device and control an elevated nozzle remotely during a fire attack					
Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and appropriate department forms					
Task Steps			Pass	Fail	
1. Ensure all safety devices are in place and are properly used by the operator					
♦2. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)					
3. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target					
4. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in-line with the intended target					
5. Extended the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target					
6. Position proper nozzle placement for the assigned task (straight stream pattern)					
7. Adjust nozzle angle for the assigned task (inside window toward ceiling)					
8. Notifies engineer to turn off water to aerial ladder					
9. Returns the nozzle to proper position for storage					
10. Retract, rotate and lower aerial device					
11. Properly bed the aerial device					
12. Close water supply and disconnect water supply from the fire apparatus					
13. Opens waterway drain and drains waterway pipe completely prior to repositioning the ladder					
♦ Critical Step - Failure on this step mandates failure on the entire objective!		Total steps candidate must complete to pass:	10	TOTALS	
Test Date _____ Location: _____ Candidate _____ SS# _____ Candidate's Fire Dept. _____ Evaluator Signature _____					

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR
(AADO)

<p>Skill No: AADO-13</p> <p>Standards: 6.2.5 NFPA 1002, 2014</p>	<p>Primary Task: Deploy and operate an elevated master stream given a master stream device and a desired flow, so that the stream is effective and the device is operated safely</p>
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Performance Outcome: The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway to flow _____ gpm using a _____ inch smooth bore nozzle/fog nozzle, to the _____ floor window on the _____ side of the building for an offensive/defensive firefighting mode. The aerial operator must calculate and flow the correct pump pressure for the situation described.

Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures

Task Steps	Pass	Fail
1. Connect an adequate water supply to the proper water inlet (as per department SOPs and manufacturer's specifications)		
2. Ensure all safety devices are in place and are properly used by the operator		
◆3. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
4. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target.		
5. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in line with the intended target		
6. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
7. Position proper nozzle placement for the assigned task (straight stream pattern)		
8. Adjust nozzle angle for the assigned task (inside window toward ceiling)		
9. Refers to aerial load chart for proper ladder and tip loads		
10. Smoothly opens waterway discharge valve with minimal stress and movement of the aerial device and waterway		
11. Discharges the correct gpm for the assigned task at _____ psi pump pressure		
12. Smoothly closes the waterway discharge valve with minimal stress and movement of the aerial device and waterway		
13. Disengages pump		
14. Close water supply and disconnect water supply from fire apparatus		

Skills Continued On Next Page

*****SKILL AAD0-13 CONTINUED*****

15. Opens waterway drain and drains waterway pipe completely prior to repositioning the ladder		
16. Returns the nozzle to proper position for storage		
17. Retract, rotate and lower aerial device		
18. Properly bed the aerial device		
♦ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	13
TOTALS		
Test Date _____ Location: _____ Candidate _____ SS# _____ Candidate's Fire Dept. _____ Evaluator Signature(S) _____		

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER/OPERATOR
(AADO)

Skill No: AADO-14		Primary Task: Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream is effective and the device is operated safely	
Standards: 6.2.5 NFPA 1002 2014			
Performance Outcome: The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway to flow _____ gpm using a _____ inch smooth bore nozzle/fog nozzle, _____ feet in elevation with the ladder extended to _____ feet in a defensive firefighting mode. The aerial operator must calculate and flow the correct pump pressure for the situation described.			
Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures			
Task Steps		Pass	Fail
1. Connect an adequate water supply to the proper water inlet (as per department SOPs and manufacturer's specifications)			
2. Ensure all safety devices are in place and are properly used by the operator			
♦3. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)			
4. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target			
5. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in line with the intended target			
6. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target			
7. Position proper nozzle placement for the assigned task (wide fog pattern)			
8. Adjust nozzle angle for the assigned task (between windows)			
9. Refers to aerial load chart for proper ladder and tip loads			
10. Smoothly opens waterway discharge valve with minimal stress and movement of the aerial device and waterway			
11. Discharges the correct gpm for the assigned task at _____ psi pump pressure			
♦ Critical Step - Failure on this step mandates failure on the entire objective!		8	TOTALS
Total steps candidate must complete to pass:			
Test Date _____ Location: _____			
Candidate _____ SS# _____			
Candidate's Fire Dept. _____			
Evaluator Signature(s) _____			

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER OPERATOR
(AADO)

Skill No. AADO-15 Standard: 6.2.5 NFPA 1002 2014 Edition	Primary Task: Deploy and operate an elevated master stream, given a master stream device and a desired flow, so that the stream is effective and the device is operated safely
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Performance Outcome: The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely. The aerial apparatus operator will first explain and demonstrate the proper procedures to manually operate the nozzle on the waterway. After connecting an adequate water supply, the aerial operator will demonstrate the proper procedures to safely raise the aerial device and position the waterway.

Equipment Required: A fully equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures

Task Steps	Pass	Fail
1. Connect an adequate water supply to the proper water inlet		
2. Ensure all safety devices are in place and are properly used by the operator		
♦3. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)		
4. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application in the desired height for the intended target		
5. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in line with the intended target		
6. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target		
7. Position proper nozzle placement for the assigned task (wide fog pattern)		
8. Adjust nozzle angle for the assigned task (between windows)		
9. Refers to aerial load chart for proper ladder and tip loads		

♦ Critical Step - Failure on this step mandates failure on the entire objective	Total steps candidate must complete to pass:	7	TOTALS		
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Test Date _____ Location: _____
 Candidate _____ SS# _____
 Candidate's Fire Dept. _____
 Evaluator Signature(s) _____

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER OPERATOR
(AADO)

Skill No. AADO-16 Standard: 6.2.5 NFPA 1002 2014 Edition	Primary Task: Deploy and operate a foam elevated master stream given a foam-capable master stream device and a desired flow so that the stream is effective and the device is operated safely		
Performance Outcome: The ability to supply foam to a master stream device and control an elevated nozzle manually or remotely. The candidate shall demonstrate the ability to operate foam producing equipment, connect foam stream equipment and produce an effective elevated fire stream supplied with foam.			
Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures			
Task Steps		Pass	Fail
1. Ensure all safety devices are in place and are properly used by the operator			
◆2. Check the intended path of the aerial device for obstructions (overhead, ladder cradle, cabinetry, accessories, personnel, etc.)			
3. Elevate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application to the desired height for the intended target			
4. Rotate the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application until the tip of the device is in line with the intended target			
5. Extend the aerial device in a safe, smooth, efficient operation using the correct engine speed for the application slightly above the intended target			
6. Position proper nozzle placement for the assigned task (wide fog pattern)			
◆7. Identify type of foam-producing equipment being utilized			
8. Prepare foam-producing equipment for operation			
9. Adjust throttle to correct pump discharge pressure for foam-producing equipment being utilized			
◆10. Identify correct foam concentration for a specific type fire, to be determined by the evaluator			
11. Produce an effective foam-supplied fire stream			
◆12. Identify limitations of foam type being utilized			
◆13. Demonstrate shut down procedures			
◆14. Identify proper cleaning or flushing procedures for equipment utilized, per the manufacturer's recommendations			
◆ Critical Step - Failure on this step mandates failure on the entire objective	Total steps candidate must complete to pass:	10	TOTALS
Test Date _____ Location: _____			
Candidate _____ SS# _____			
Candidate's Fire Dept. _____			
Evaluator Signature(s) _____			

TENNESSEE COMMISSION
ON FIREFIGHTING

AERIAL APPARATUS DRIVER OPERATOR
(AADO)

Skill No. AADO-17		Primary Task: Deploy and operate an elevated master stream, given an aerial device, a master stream device and a desired flow so that the stream is effective and the aerial and master stream devices are operated correctly.	
Standard: 6.2.5 NFPA 1002 2014 Edition			
Performance Outcome: – The ability to connect a water supply to a master stream device and control an elevated nozzle manually or remotely.			
Equipment Required: A fully-equipped fire department aerial apparatus, the appropriate equipment to complete the assigned task and access to department policies and procedures			
THE CANDIDATE MUST COMPLETE EITHER TASK 1 OR TASK 2			
Task Steps		Pass	Fail
AERIAL LADDERS WITH A DETACHABLE LADDER PIPE NOZZLE			
1. Position the Apparatus			
2. Transfer power from the drive train to the aerial device hydraulic system.			
◆3. Set the stabilizers			
4. Prepare the ladder pipe for attachment to the aerial ladder. a. Fog Nozzle: Set for appropriate fire stream and flow rate as applicable. b. Solid Stream Nozzle: Place appropriate nozzle tip on end of nozzle.			
◆5. Attach the ladder pipe and hose to the aerial ladder.			
◆6. Attach supply hose to aerial ladder, running hose down the center of the ladder and lashing the hose to the ladder once every 15 to 20 feet (4m to 6m).			
7. Attach a siamese appliance to the opposite end of the ladder pipe supply hose.			
8. Attach a supply hose to the siamese.			
9. Raise the aerial ladder to the desired operational position.			
10. Engage the aerial ladder locks (If present).			
11. Check the ladder pipe controls.			
12. Charge the ladder pipe supply hose and operate the fire stream. a. Fog Nozzle: 80 psi (560 kPa) b. Solid Stream Nozzle: 100 psi (700 kPa)			
13. Correctly demonstrate how to manually or remotely rotate the nozzle from side to side.			
14. Correctly demonstrate how to manually or remotely raise and lower the nozzle.			
15. Correctly demonstrate how to manually or remotely adjust the spray pattern of the nozzle.			
16. Shut down the ladder pipe operation and stow the aerial device and all associated equipment.			
SKILL AADO-17 CONTINUED ON NEXT PAGE WITH TASK 2			
◆ Critical Step - Failure on this step mandates failure on the entire objective	Total steps candidate must complete to pass:	12	TOTALS
Test Date _____ Location: _____			
Candidate _____ SS# _____			
Candidate's Fire Dept. _____			
Evaluator Signature(s) _____			

**PUMPER
DRIVER/OPERATOR**



STATE OF TENNESSEE
DEPARTMENT OF COMMERCE AND INSURANCE
COMMISSION ON FIRE FIGHTING

2161 Unionville Deason Road
Bell Buckle, TENNESSEE 37020
931-294-4140

IN HOUSE PRACTICAL SIGN-OFF SHEET

This form is to be completed and attached to the Application for Written Examination for practicals in which the fire department is administering an in-house practical. The individual skill sheets completed by the applicant are to be maintained on file within the fire department and are subject to audit by the Commission.

Fire Department: _____

Applicant's Name: _____ SS # _____

Level of Practical (check one): FAO ___ PDO ___ AADO ___ WFFI ___ WFFII ___

Date(s) practical completed: _____

Skill Sheet Number	Pass / Fail		Date	Evaluator Initials	RETEST		Evaluator Initials	
	Pass	Fail			Pass	Fail		Date
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____
_____	P	F	_____	_____	P	F	_____	_____

TENNESSEE COMMISSION
ON FIREFIGHTING

**PUMPER DRIVER/OPERATOR
(PDO)**

Skill No: PDO-1 Standards: 4.2.1, 4.2.2, 5.1.1 NFPA 1002, 2014 Edition	Primary Task: Perform routine tests, inspections and servicing functions specified in the following list given a fire department pumper and its manufacturer's specifications, so that the operational status of the pumper is verified and documented .				
Performance Outcome: The ability to use hand tools, recognize system problems and correct any deficiency noted according to policies and procedures and document as required by AHJ.					
Equipment Required: A fire department pumper, the appropriate equipment to complete the assigned task and appropriate department forms					
Task Steps			Pass	Fail	
1. 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					
12. Perform a routine inspection on the water tank and other extinguishing agent levels in accordance with departmental procedures and policies					
13. Perform a routine inspection on the pumping system in accordance with departmental procedures and policies					
14. Perform a routine inspection on the foam system in accordance with departmental procedures and policies					
♦15. Candidate shall wear eye protection while performing this task					
♦ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	11	TOTALS		
Test Date _____ Location: _____ Candidate _____ SS# _____ Candidate's Fire Dept. _____ Evaluator Signature(s) _____					

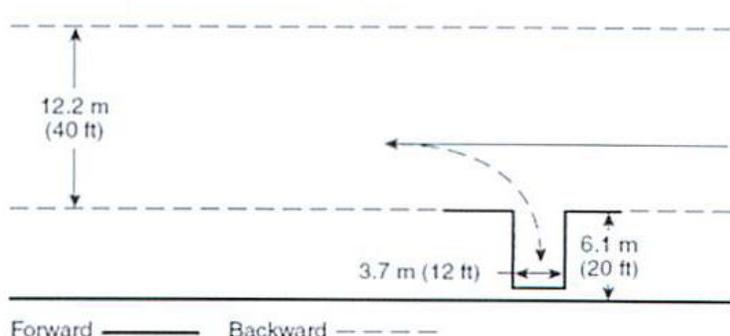
TENNESSEE COMMISSION
ON FIREFIGHTING

**PUMPER DRIVER/OPERATOR
(PDO)**

Skill No: PDO-2 Standards: 4.3.1, 4.3.6 NFPA 1002, 2014 Edition	Primary Task: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate the ability to prepare the pumper to be driven.		
Performance Outcome: Preliminary apparatus inspection			
Equipment Required: Fire department pumper			
Task Steps	Pass	Fail	
1. Check and adjust the driver's seat			
2. Check and adjust the vehicle's mirrors			
♦3. Fasten seatbelt PRIOR to placing the pumper in motion			
♦4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the pumper in motion (if applicable)			
♦ <i>Critical Step</i> - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	3	TOTALS
Test Date _____ Location: _____ Candidate _____ SS# _____ Candidate's Fire Dept. _____ Evaluator Signature _____			

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR
(PDO)

<p>Skill No: PDO-4</p> <p>Standards: 4.3.2 NFPA 1002, 2014 Edition</p>	<p>Primary Task: Perform the practical driving exercises specified in 4.3.2 given a fire department pumper and a spotter for backing, so that each exercise is performed safely without striking the vehicle or any obstructions</p>				
<p>Performance Outcome: Back a vehicle from a roadway into restricted spaces on both the right and left sides of the vehicle, given a fire department pumper, a spotter and restricted spaces 12 ft. in width, requiring a 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/or pull forward and without striking any obstructions.</p>					
<p>Equipment Required: A fire department pumper</p>					
<p>Task Steps</p>			<p>Pass</p>	<p>Fail</p>	
<p>1. Back the pumper into restricted space on the right side without having to stop and/or pull forward and without striking any obstructions</p>					
<p>2. Back the pumper into restricted space on the left side without having to stop and/or pull forward and without striking any obstructions</p>					
<p>3. Do not allow the pumper to leave the course boundaries</p>					
<p>◆4. Fasten seatbelt PRIOR to placing the pumper in motion</p>					
<p>◆5. Verify that ALL occupants are seated and seatbelts fastened prior to placing the pumper in motion (if applicable)</p>					
<p>◆6. Properly deploys a spotter during the backing process</p>					
<p>Alley Dock Exercise</p> 					
<p>◆ Critical Step - Failure on this step mandates failure on the entire objective!</p>	<p>Total steps candidate must complete to pass:</p>	<p>5</p>	<p>TOTALS</p>		
<p>Test Date _____ Location: _____</p> <p>Candidate _____ SS# _____</p> <p>Candidate's Fire Dept. _____</p> <p>Evaluator Signature _____</p>					

TENNESSEE COMMISSION
ON FIREFIGHTING

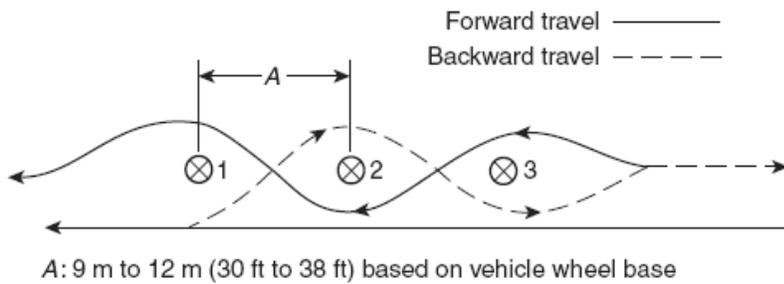
**PUMPER DRIVER/OPERATOR
(PDO)**

Skill No: PDO-5	Primary Task: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department pumper and a spotter for backing, so that each exercise is performed safely without striking the vehicle or any obstructions
Standards: 4.3.3 NFPA 1002, 2015 Edition	

Performance Outcome: Maneuver a fire department pumper around obstructions on a roadway while moving forward and in reverse, given a fire department vehicle, spotter for backing and a roadway for obstructions, so that the vehicle is maneuvered through the obstacle without stopping and/or changing the direction of travel and without striking any obstructions.

Equipment Required: A fire department pumper

Task Steps	Pass	Fail
1. Maneuver the pumper forward around obstructions without stopping and/or changing direction of travel and without striking any obstructions		
2. Maneuver the pumper in reverse around obstructions without stopping and/or changing direction of travel and without striking any obstructions		
3. Do not allow the pumper to leave the course boundaries		
◆4. Fasten seatbelt PRIOR to placing the pumper in motion		
◆5. Verify that ALL occupants are seated and seatbelts fastened prior to placing the pumper in motion (if applicable)		
◆6. Properly deploys a spotter during the backing process		



◆ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	5	TOTALS	
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Test Date _____ Location: _____
Candidate _____ SS# _____
Candidate's Fire Dept. _____
Evaluator Signature _____

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR
(PDO)

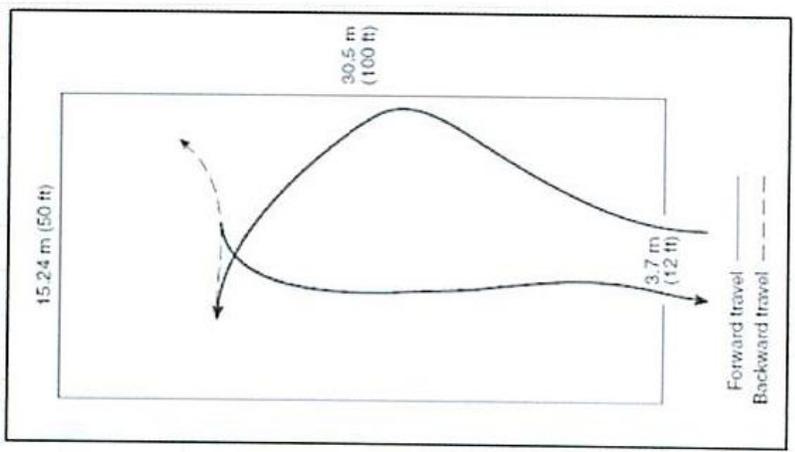
Skill No: PDO-6	Primary Task: Perform the practical driving exercises specified in 4.3.2 through 4.3.5 given a fire department pumper and a spotter for backing, so that each exercise is performed safely without striking the vehicle or any obstructions.
Standards: 4.3.4 NFPA 1002, 2014 Edition	

Performance Outcome: Turn a fire department vehicle 180 degrees within a confined space, given by 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 any obstructions within the given space.

Equipment Required: A fire department pumper

Task Steps	Pass	Fail
1. Turn the pumper 180 degrees within a confined space, without striking obstructions		
2. Do not allow the pumper to leave course boundaries		
◆3. Fasten seatbelt PRIOR to placing the pumper in motion		
◆4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the pumper in motion (if applicable)		
◆5. Properly deploys a spotter during the backing process		

Confined Space Turn Around

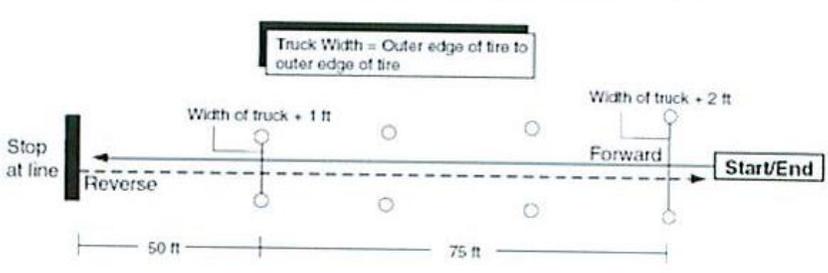


◆ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	4	TOTALS		
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Test Date _____ Location: _____
Candidate _____ SS# _____
Candidate's Fire Dept. _____
Evaluator Signature _____

TENNESSEE COMMISSION
ON FIREFIGHTING

PUMPER DRIVER/OPERATOR
(PDO)

<p>Skill No: PDO-7</p> <p>Standards: 4.3.5 NFPA 1002, 2014 Edition</p>	<p>Primary Task: Perform the practical driving exercises in specified 4.3.2 through 4.3.5 given a fire department pumper and a spotter for backing, so that each exercise is performed safely without striking the vehicle or any obstruction.</p>				
<p>Performance Outcome: 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 forward 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.</p>					
<p>Equipment Required: Fire department pumper</p>					
<p>Task Steps</p>			<p>Pass</p>	<p>Fail</p>	
<p>1. Maneuver the pumper forward through the diminishing clearance exercise without striking any obstructions</p>					
<p>2. Do not allow the pumper to cross over the finishing line</p>					
<p>◆3. Fasten seatbelt PRIOR to placing the pumper in motion</p>					
<p>◆4. Verify that ALL occupants are seated and seatbelts fastened prior to placing the pumper in motion (if applicable)</p>					
<p>◆5. Properly deploys a spotter during the backing process</p>					
<p>Diminishing Clearance</p> 					
<p>◆ Critical Step - Failure on this step mandates failure on the entire objective!</p>	<p>Total steps candidate must complete to pass:</p>	<p>4</p>	<p>TOTALS</p>		
<p>Test Date _____ Location: _____</p>					
<p>Candidate _____ SS# _____</p>					
<p>Candidate's Fire Dept. _____</p>					
<p>Evaluator Signature _____</p>					

TENNESSEE COMMISSION
ON FIREFIGHTING

**PUMPER DRIVER/OPERATOR
(PDO)**

Skill No: PDO-8	Primary Task: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate placing the pump in service for pumping operations.
Standards: 4.3.7, 5.2.1 NFPA 1002, 2014 Edition	

Performance Outcome: The driver/operator shall safely and efficiently complete all in cab procedures.

Equipment Required: Fire department pumper equipped with wheel chocks

Task Steps	Pass	Fail
1. Bring the apparatus to a full stop and allow the engine to slow to idle speed		
2. Shift the transmission to neutral and set the brake		
3. Depress the brake pedal and engage the pump shift switch and lock		
4. Shift the transmission into pump gear		
◆5. Properly position wheel chocks		
6. Open water tank to pump valve		
7. Describe manual pump engagement procedures		

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◆ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	6	TOTALS		
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Test Date _____ Location: _____
Candidate _____ SS# _____
Candidate's Fire Dept. _____
Evaluator Signature _____

TENNESSEE COMMISSION
ON FIREFIGHTING

**PUMPER DRIVER/OPERATOR
(PDO)**

Skill No: PDO-9 Standards: 5.2.1 NFPA 1002, 2014 Edition	Primary Task: Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely 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.
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Performance Outcome: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations (from the internal tank) for supplying a pre-connected attack line, given one _____ inch attack line. _____ feet in length with a _____ nozzle being will produce an effective fire stream and calculate the correct discharge pressure

Equipment Required: Fire department pumper and equipment determined by evaluators

Task Steps	Pass	Fail
1. Open the water tank to pump valve fully		
2. Place the transfer valve in <i>volume/pressure</i> (if applicable)		
3. Open the correct discharge valve		
4. Adjust the throttle to the correct discharge pressure (prime if necessary)		
◆5. Set the pressure control device to the operating pressure		
6. Monitor system for overheating		
7. Operate auxiliary cooling system (if applicable)		

◆ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	5	TOTALS	
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Test Date _____ Location: _____
 Candidate _____ SS# _____
 Candidate's Fire Dept. _____
 Evaluator Signature _____

TENNESSEE COMMISSION
ON FIREFIGHTING

**PUMPER DRIVER/OPERATOR
(PDO)**

<p>Skill No: PDO-10</p> <p>Standards: 5.2.1 NFPA 1002, 2014 Edition</p>	<p>Primary Task: Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely 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.</p>
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Performance Outcome: The driver/operator will perform a transfer from internal tank to external source (hydrant)

Equipment Required: Fire department pumper, hydrant and all equipment needed to make the connection

Task Steps	Pass	Fail
1. Signal to have hydrant opened (evaluator will open hydrant)		
2. Maintain constant discharge pressure		
♦3. Reset pressure control device		
4. Fill apparatus booster tank		
5. Close tank to pump		

♦ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	4	TOTALS		
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Test Date _____ Location: _____

Candidate _____ SS# _____

Candidate's Fire Dept. _____

Evaluator Signature _____

TENNESSEE COMMISSION
ON FIREFIGHTING

**PUMPER DRIVER/OPERATOR
(PDO)**

<p>Skill No: PDO-11</p> <p>Standards: 5.2.1 NFPA 1002, 2014 Edition</p>	<p>Primary Task: Produce effective hand or master streams, given the sources specified in the following list, so that the pump is safely 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.</p>
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Performance Outcome: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate pump operations for a supplying multiple hose lines.

Driver/operator is operating off a pressurized water source with attack line flowing

Hose-line number 2. The driver/operator, given additional _____ inches hose-lines _____ feet in length, _____ inch nozzle, and a master stream device must show an effective fire stream and calculate the correct pump discharge pressure.

Equipment Required: Fire department pumper, hydrant and all equipment needed

Task Steps	Pass	Fail
1. Identify static pressure _____ psi.		
2. Place the transfer valve in pressure/volume (if applicable)		
3. Maintain correct pump discharge pressure (hose-line #1)		
4. Adjust throttle to correct pump discharge pressure (hose-line #2) (master stream device)		
5. Adjust throttle to correct pump discharge pressure (hose-line #3) to master stream device		
◆6. Set pressure control device		
7. Identify residual pressure _____ psi		
8. Monitor system for overheating		
9. Operate auxiliary cooling systems (if applicable)		
10. Identify the number of equal lines or additional gpm that could be added		
11. Identify possible problems that may occur if residual pressure drops below 20 psi		
12. Identify action to be taken		
13. Demonstrate shut down procedures		

<p>◆ Critical Step - Failure on this step mandates failure on the entire objective!</p>	<p>Total steps candidate must complete to pass:</p>	<p>10</p>	<p>TOTALS</p>		
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Test Date _____ Location: _____

Candidate _____ SS# _____

Candidate's Fire Dept. _____

Evaluator Signature _____

TENNESSEE COMMISSION
ON FIREFIGHTING

**PUMPER DRIVER/OPERATOR
(PDO)**

Skill No: PDO-12 Standards: 5.2.3 NFPA 1002, 2014 Edition	Primary Task: Produce a foam fire stream, given foam producing equipment, so that properly proportioned foam is provided.
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Performance Outcome: The driver/operator, given foam and foam producing equipment, shall demonstrate the ability to operate foam proportioning equipment, connect foam stream equipment and produce an effective fire stream supplied with foam.

Equipment Required: A supply of Class A or B type foam concentrate or substitute. Inline eductor, fog nozzle, foam nozzle

Task Steps	Pass	Fail
◆1. Identify type of foam producing equipment being utilized		
2. Prepare foam producing equipment for operation		
3. Adjust throttle to current pump discharge pressure for foam producing equipment being utilized		
◆4. Identify correct foam concentration for a specific type fire, to be determined by the evaluator		
5. Produce an effective foam supplied fire stream		
◆6. Identify limitations of foam type being utilized		
◆7. Demonstrate shut down procedures		
◆8. Identify proper cleaning or flushing procedures for equipment utilized, per the manufacturer's recommendations		

◆ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	6	TOTALS		
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Test Date _____ Location: _____
 Candidate _____ SS# _____
 Candidate's Fire Dept. _____
 Evaluator Signature _____

TENNESSEE COMMISSION
ON FIREFIGHTING

**PUMPER DRIVER/OPERATOR
(PDO)**

Skill No: PDO-13 Standards: 5.2.4 NFPA 1002, 2014 Edition	Primary Task: Supply water to fire sprinkler and standpipe systems so that water is supplied to the system at the correct volume and pressure.
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Performance Outcome: 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.

Equipment Required: Fire sprinkler and standpipe system, fire department pumper

Task Steps	Pass	Fail
1. Correctly hook into standpipe or sprinkler connection		
2. Place the transfer valve in <i>volume/pressure</i> (if applicable)		
3. Open the correct discharge valve		
4. Adjust the throttle to the correct discharge pressure (prime if necessary)		
♦5. Set the pressure control device to the operating pressure		
6. Monitor system for overheating		
7. Operate auxiliary cooling systems (if applicable)		

♦ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	5	TOTALS		
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Test Date _____ Location: _____
 Candidate _____ SS# _____
 Candidate's Fire Dept. _____
 Evaluator Signature _____

TENNESSEE COMMISSION
ON FIREFIGHTING

**PUMPER DRIVER/OPERATOR
(PDO)**

Skill No: PDO-14 Standards: 5.2.1 and 5.2.2 NFPA 1002, 2014 Edition	Primary Task: Pump a supply line of 2 ½ inches or larger, given a relay pumping evolution the length and size of the line and the desired flow and intake pressure, so that the proper pressure and flow are provided to the next pumper in the relay.				
Performance Outcome: The driver/operator, given a static water source with two 10 inch sections of hard suction connected to a fire department pumper, relay water use two _____ inch supply lines _____ feet in length to a fire department attack pumper.					
Equipment Required: A fire department pumper, hard suction, supply hose					
Task Steps			Pass	Fail	
1. Identify the source and attack pumper					
2. Identify the minimum water level of the static source					
3. Identify the maximum lift at the test site					
4. Identify the maximum priming time of the source pumper					
5. Prime the pump					
6. Identify problems associated with a failure to prime the pump					
7. Communications with the attack pumper					
8. Open the correct discharge valve					
9. Adjust the throttle to the correct discharge pressure _____psi					
◆10. Set pressure control device					
11. Maintain pump prime without flow interruptions to attack pumper					
12. Monitor systems for overheating. Operate auxiliary cooling system if needed					
13. Demonstrate shut down procedures					
◆ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	10	TOTALS		
Test Date _____ Location: _____ Candidate _____ SS# _____ Candidate's Fire Dept. _____ Evaluator Signature _____					

TENNESSEE COMMISSION
ON FIREFIGHTING

**PUMPER DRIVER/OPERATOR
(PDO)**

Skill No: PDO-15	Primary Task: The fire apparatus driver/operator, given a fire department pumper, shall demonstrate restoring the pump to service for pumping operations
Standards: 5.2.1 NFPA 1002, 2014 Edition	

Performance Outcome: The driver/operator, given a fire department pumper, shall demonstrate the procedure for restoring the pumper to service

Equipment Required: Fire department pumper

Task Steps	Pass	Fail
◆ 1. Ensure that the apparatus water tank is full		
2. Reset pressure control devices		
3. Shift the transmission into neutral, allowing it to return to idle speed before disengaging the pump shift switch		
4. Open the pump drain (if applicable)		
5. Load and secure all equipment		
6. Secure compartment doors		

◆ Critical Step - Failure on this step mandates failure on the entire objective!	Total steps candidate must complete to pass:	5	TOTALS		
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Test Date _____ Location: _____
Candidate _____ SS# _____
Candidate's Fire Dept. _____
Evaluator Signature _____