

Aerial Apparatus Driver Operator

Skill Sheet Package

Based on *NFPA 1002: Standard on Fire Apparatus Driver/Operator Professional Qualifications*, 2017 Edition.



June 2019

Certification Criteria

Aerial Apparatus Driver Operator



Certification Requirements

To be issued certification for Aerial Apparatus Driver Operator, the candidate will:

Show successful completion of the pre-requisite requirements.

- Certified at Fire Fighter I by IFSAC or Pro Board or TN Fire Commission
- **Written Examination:** Perform to a minimum 70% competency on the examination. Tested on NFPA 1002 Chapter 4 and 6 must both be passed at 70% or above. (Retest is allowed after 14 days, within one year of skills completion date.)
- **Practical Examination:** Successfully complete the skills evaluation to a minimum of 70% competency and successful completion of all critical points. Evaluators will test 100% of the skills.

Basis: Tennessee Commission on Firefighting, T.C.A..4-24-101: 0360-03-01-.25-
Requirements for Certified 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 practical's 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: _____ PSID # _____

Level of Practical (check one): FAO___ PDO___ AADO___ WFFI___ WFFII___ ARFF___

Date(s) practical completed: _____

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

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

By Signing below, all parties certify to the Commission that the applicant has passed the practical as indicated above. It is our complete understanding that any false information being provided may result in revocation of departmental accreditation in the State Certification Program

Date

Applicant's Signature

Date

Training Officer / Instructor Signature



Aerial Apparatus Driver Operator

Aerial Apparatus Driver Operator: Aerial Skill Sheets. These skills meet all the requirements of NFPA 1002, Standard on Fire Apparatus Driver/Operator Professional Qualifications, 2017 edition.

Practical Examination for Certification: Skills testing will be conducted on the apparatus specific to the certification level using a minimum of 100% of the JPRs listed below. The skills will be administered by an evaluator certified at this level or an expert (Instructor) in this field. For successful completion of the practical examination, a minimum 70% competency (including critical points) is required for certification.

Skill Sheet	Primary Task	JPR(s) Covered
01	Preventive Maintenance – Operational Status of an Aerial Fire Department Vehicle	4.2.1, 4.2.2, 6.1.1
02	Driving Operations	4.3.1, 4.3.6, 4.3.7
03	Serpentine Exercise	4.3.3
04	Alley Dock Exercise	4.3.2
05	Diminishing Clearance Exercise	4.3.5
06	Confined Space Turn-Around Exercise	4.3.4
07	Aerial Apparatus Stabilization	6.2.1, 6.2.2
08	Maneuver & Position Aerial Device	6.2.3
09	Lower Aerial Device Using Emergency Operating System	6.2.4
10	Operate Elevated Master Stream	6.2.5
11	Initiate the Response to a Reported Emergency	4.4.1, 4.4.2, 4.4.3, 4.4.4

AERIAL APPARATUS DRIVER OPERATOR – SKILLS DESCRIPTION

(TO BE USED IN CONJUNCTION WITH AADO SKILLS DIAGRAM)

Serpentine

Summary: The serpentine exercise measures the driver's ability to steer the apparatus in close limits without stopping to change the direction of travel so that the apparatus is maneuvered through the obstructions without striking them. The serpentine course will be simulated using the measurements and diagram provided, along with proper placement of cones. 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 in a straight line. The spacing of the markers should be based on the wheel base of the apparatus used. Adequate space must be provided on each side of the markers for the apparatus to move freely.

Application: 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, passing to the left of marker number 1, to the right of marker number 2, and to the left of marker number 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 number 3, to the left of marker number 2, and to the right of marker number 1.

NOTE: For larger vehicles, such as an ARFF apparatus, this course might need to be modified.

Alley Dock

Summary: The alley dock exercise measures a driver's ability to drive past a simulated dock or stall and back the apparatus into the space provided, stopping smoothly. A dock or stall will be simulated using the measurements and diagram provided, along with proper placement of cones and/or barricades.

Application: The driver should pass the barricades with the dock on the left and then back the apparatus, using a left turn, into the stall. The exercise should then be repeated with the dock on the right side, using a right turn. The apparatus should be parked within the restricted area without having to stop and pull forward and without striking boundary cones or the rear barricade.

NOTE: For larger vehicles, such as an ARFF apparatus, this course might need to be modified.

Diminishing Clearance

Summary: The diminishing clearance exercise measures a driver's ability to steer the apparatus in a straight line through areas of restricted horizontal and vertical clearances, to judge the distances from wheel to object, and to stop at a finish line, so that no obstructions are struck. The diminishing clearance will be simulated using the measurements and diagram provided, along with proper placement of cones and/or barricades. The speed at which a driver should operate the apparatus is optional, but it should be great enough to necessitate quick judgment. The exercise is to be performed both forward and in reverse with a spotter.

Application: The driver should maneuver the apparatus through the lane forward without touching the markers, stopping at a finish line beyond the last marker. No portion of the apparatus should protrude beyond the line. The driver should then back the apparatus out of the restricted area without touching the markers. Vertical clearance

judgment should be evaluated using a prop with a crossbar that is adjustable, based on the height of the apparatus.

NOTE: During the evaluation, the driver should drive forward and back through the prop with the crossbar at several different heights, including one that is lower than the top of the apparatus. The prop should not be struck. The intent of the vertical clearance judgment is for proper identification of the allowable height of a space relative to the apparatus.

Confined Space Turnaround

Summary: The confined space turnaround exercise measures a driver's ability to turn the apparatus around in a confined space without striking obstacles. The confined space will be simulated using the measurements and diagram provided, along with proper placement of cones.

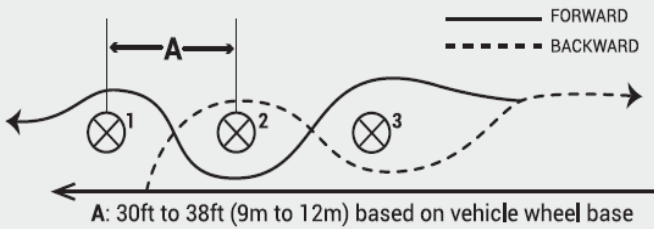
Application: The driver should move into the area from the opening in the center of one of the 50 foot legs, turn the apparatus 180 degrees, and return through the opening. There is no limitation on the number of times the driver has to maneuver the apparatus to accomplish this exercise (3-point turn, 5-point turn, etc.), but no portion of the apparatus should extend over the boundary lines of the space.

NOTE: For larger vehicles, such as an ARFF apparatus, this course might need to be modified.

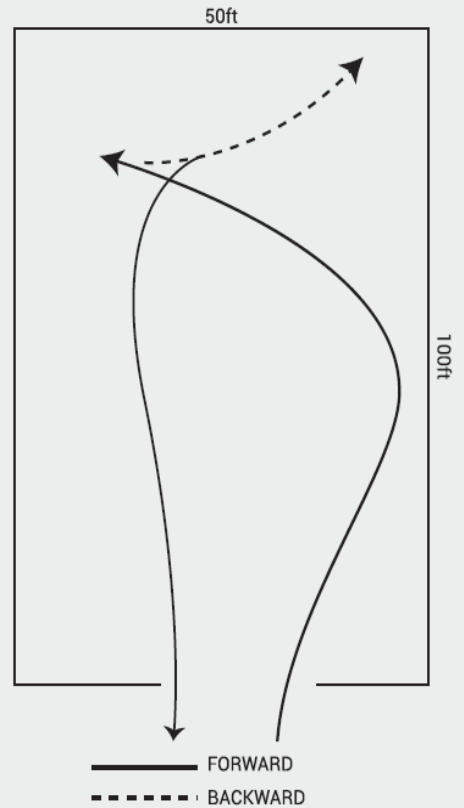


FIRE APPARATUS OPERATOR SKILLS DIAGRAMS

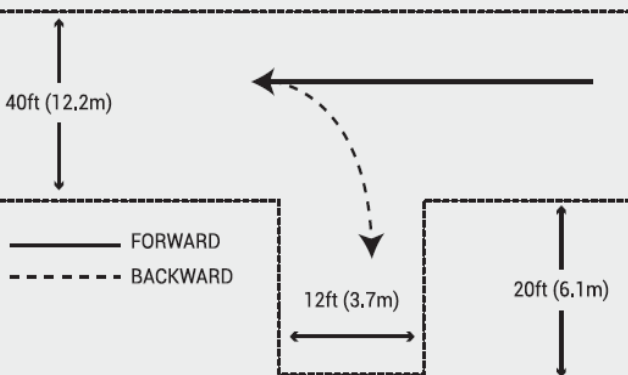
SERPENTINE EXERCISE (#3)



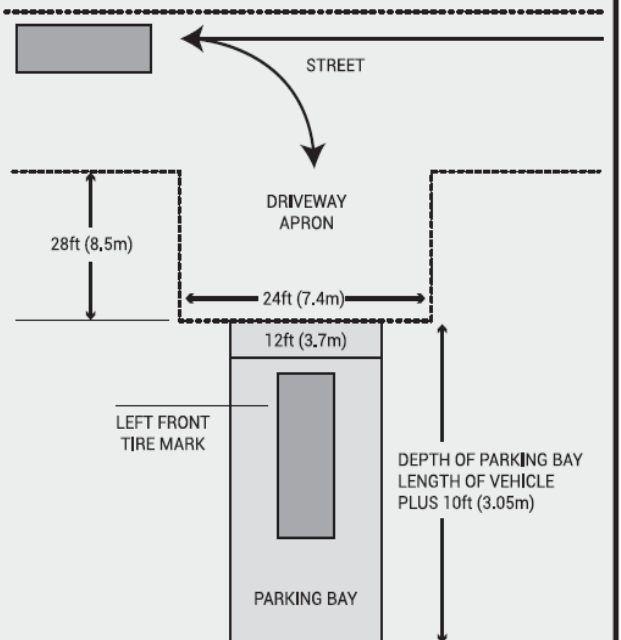
CONFINED SPACE TURNAROUND (#6)



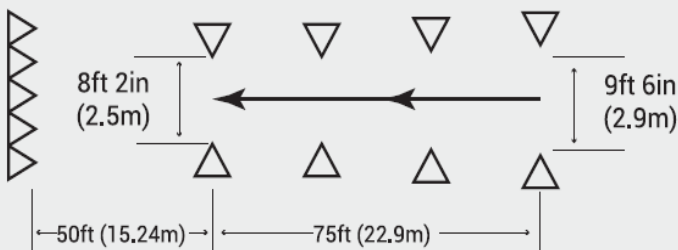
ALLEY DOCK EXERCISE (#4)



PARKING PROCEDURE



DIMINISHING CLEARANCE EXERCISE (#5)





Preventive Maintenance/Documentation Maintenance & Inspection Form

Aerial Apparatus Driver Operator

AADO: 01-A

The candidate shall 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

This form is to be used in conjunction with Skill Sheet 01

Apparatus	Date	Mileage
Item	Item Checked	Notes
Visually inspect the exterior of the apparatus for obvious problems or damages.		
Tires		
Tire pressure is within manufacturer's recommended specifications		
Proper tread depth		
Batteries		
Checked water level, if applicable		
Checked tightness of terminals with appropriate hand tool		
Inspected terminals for corrosion		
Evaluated general condition (damage, tie-downs)		
Oil		
Check for leaks		
Ensure engine oil level is within manufacturer's recommended specifications		
Ensure engine oil pressure with engine on is within manufacturer's recommended specifications		
Fuel		
Check fuel gauge level		
Coolant system		
Check for leaks in the cooling system		
Check condition of hoses and/or lines		
Ensure coolant level is within manufacturer's recommended specifications		
Belts		
Inspects all belts for proper tension, excessive wear, breaks or cracking		
Identifies that there are not missing belts		
Electrical system		
Ensure charging system is operational		
Confirm gauges are functioning		
Check ignition system by starting engine		



Preventive Maintenance/Documentation Maintenance & Inspection Form

Aerial Apparatus Driver Operator

AADO: 01-A

The candidate shall 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

This form is to be used in conjunction with Skill Sheet 01

Ensure all vehicle lights are operational		
Ensure all visual & audible emergency warning devices are operational		
Evaluate general condition of accessible wires and connections		
Braking system		
Check for leaks		
Ensure manual or automatic purging of excess condensation		
Ensure that the brakes will stop the vehicle, by driving and depressing brake pedal		
Steering		
Checks power steering fluid reservoir level		
Checks steering device (mechanical components of steering assembly)		
Steering wheel play is less than 10 degrees		
Transmission		
Ensure transmission fluid level is within manufacturer's recommended specifications		
Hydraulic System		
Checks all hydraulic system's fluid levels		
Checks for leaks		
Tools, appliances and equipment		
Supply hose		
Pre-connected hose		
Ladders		
Hand tools		
Power tools		
Built-in Safety Features		
Ensure any safety features are functioning properly		
Notes:		

Date:	Candidate Print Name & PSID	Candidate Signature:



Preventive Maintenance – Operational Status of a Fire Department Aerial Apparatus

Reference source: NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*, 4.2.1, 4.2.2, 6.1.1, 2017 Edition

Aerial Apparatus Driver Operator I

Skill Sheet- AADO: 01

The candidate, given a **Fire Department Aerial Apparatus**, its manufacturer’s specifications, maintenance and inspection forms, and policies and procedures of the jurisdiction, shall perform and document the visual and operational checks on the systems and components specified in the performance steps, so that the operational status of the vehicle is verified and deficiencies are reported.

Use Maintenance and Inspection Form AADO: 01-A

Expected time to complete skill(s) is 25 minutes

Performance Steps	Test		Retest	
	P	F	P	F
Safely performs the following steps:				
1. Identifies correct hand tools for use during inspection; uses appropriately				
2. Inspects tires, sufficient tread and inflated to manufacturer’s specifications - CRITICAL POINT				
3. Inspects batteries as clean, corrosion free, and secured				
4. Inspects engine oil, fluid level within manufacturer’s specifications - CRITICAL POINT				
5. Inspects fuel level, fuel above ¾ tank				
6. Inspects coolant fluid level; fluid level is within manufacturer’s specifications - CRITICAL POINT				
7. Inspects belts for tightness and excessive wear (engine not running) - CRITICAL POINT				
8. Inspects electrical system, all running and emergency lights are operational, electronic audible devices are operational - CRITICAL POINT				
9. Inspects braking system for air/fluid leaks – CRITICAL POINT				
10. Inspects steering system linkage for wear, fluid level within manufacturer’s specifications				
11. Inspects fluid level in transmission, fluid level within manufacturer’s specifications - CRITICAL POINT				

Continued on Page 2

Evaluator Notes



Preventive Maintenance – Operational Status of a Fire Department Aerial Apparatus

Reference source: NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*, 4.2.1, 4.2.2, 6.1.1, 2017 Edition

Aerial Apparatus Driver Operator I

Skill Sheet- AADO: 01

The candidate, given a **Fire Department Aerial Apparatus**, its manufacturer's specifications, maintenance and inspection forms, and policies and procedures of the jurisdiction, shall perform and document the visual and operational checks on the systems and components specified in the performance steps, so that the operational status of the vehicle is verified and deficiencies are reported.

Use Maintenance and Inspection Form FAO: 01-A

Expected time to complete skill(s) is 25 minutes

Criteria/Performance Steps Continued:	Test		Retest	
	P	F	P	F
Safely performs the following steps:				
12. Inspects cable systems (if applicable) and ensures compliance with manufacturer's specifications				
13. Inspects aerial device hydraulic systems for leaks and proper fluid levels within manufacturer's specifications - CRITICAL POINT				
14. Inspects slides and rollers, ensures compliance with manufacturer's specifications				
15. Inspects stabilizing systems and aerial device safety systems, ensures compliance with manufacturer's specifications				
16. Inspects breathing air systems and communication systems, ensures compliance with manufacturer's specifications				
17. Documents tests, inspections and servicing functions; reports deficiencies on the departmental maintenance and inspection forms				
18. Recognizes any system problems and corrects any deficiencies found				
19. Ensure all built-in safety features are functioning properly				
Candidate must successfully perform 14/19 including ALL CRITICAL POINTS	Score: /19		Score: /19	
Evaluator Notes				
Evaluator Print Name & Signature:	Date	Overall Skill Sheet Score		
		Pass_	Fail	
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)				
Re-Test Evaluator Print Name & Signature:		Overall Skill Sheet Re-Test Score		
		Pass__	Fail__	
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)				
Candidate Print Name & Signature:		Candidate: Print Name or Candidate #		
Note to Evaluator(s): By your signature above, you verify that you are qualified to serve as an Tennessee Fire Commission Evaluator, have followed TFFC Testing Policies and have witnessed that the above candidate has tested the above skills in their entirety.				
Note to Student: Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at ANY time that you have a safety concern				



Driving Operations - Fire Department Aerial Apparatus

Reference source: NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*, 4.3.1, 4.3.6, 4.3.7, 2017 Edition

Aerial Apparatus Driver Operator I

Skill Sheet - AADO: 02

The candidate, given a **Fire Department Aerial Apparatus** and a predetermined route on a public way or simulated route that incorporates the maneuvers and features as specified in the performance steps listed that the driver/operator is expected to encounter during normal and emergency operations, shall operate a fire department vehicle so that the vehicle is operated in compliance with all applicable state and local laws and departmental rules and regulations.

Expected time to complete skill(s) is 25 minutes

Performance Steps	Test			
	P	F	P	F
Safely performs the following steps:				
1. Check and adjust driver's seat as needed				
2. Check and adjust vehicle mirrors as needed				
3. Fasten passenger restraint before putting vehicle in motion – CRITICAL POINT				
4. Maneuvers four left turns properly				
5. Maneuvers four right turns properly				
6. Maneuvers urban business street or urban two lane road properly, 1 mile in length				
7. Maneuvers through three intersections, two that require a complete stop				
8. Maneuvers at least one curve properly (left or right)				
9. Maneuvers railroad crossings properly				
10. Maneuvers entrance and exit to limited access highway properly				
11. Maneuvers two lane changes on limited access highway properly				
12. Maneuvers downgrades steep enough to require downshift/braking properly				
13. Maneuvers upgrades steep enough to require gear changing to maintain speed				
14. Maneuvers through low clearance/bridge properly				
15. Maneuvers on an environmentally affected road surface				
16. Operates vehicle safely and in accordance with applicable laws by maintaining safe following distances, maintaining control of vehicle, and travelling at safe speeds given road/weather/traffic conditions - CRITICAL POINT				
17. Maintains awareness of vehicle gauges and instruments				
18. Deploys, energizes and monitors the system and equipment (equipment and systems include, but are not limited to, electric generation equipment, floodlighting systems, air compressors, air cascade systems, hydraulic rescue tool systems, power reels for air or hydraulic hose)				
19. Recognizes and corrects system problems				
Candidate must successfully perform 14/19 including ALL CRITICAL POINTS	Score: /19			9
Continued on Page 2				



Driving Operations - Fire Department Aerial Apparatus

Reference source: NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*, 4.3.1, 4.3.6, 4.3.7, 2017 Edition

Aerial Apparatus Driver Operator

Skill Sheet - FAO: 02

The candidate, given a **Fire Department Aerial Apparatus** and a predetermined route on a public way or simulated route that incorporates the maneuvers and features as specified in the performance steps listed that the driver/operator is expected to encounter during normal and emergency operations, shall operate a fire department vehicle so that the vehicle is operated in compliance with all applicable state and local laws and departmental rules and regulations.

Expected time to complete skill(s) is 25 minutes

Evaluator Notes		
Evaluator Print Name & Signature:	Date	Overall Skill Sheet Score
		Pass_ Fail
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)		
Re-Test Evaluator Print Name & Signature:	Overall Skill Sheet Re-Test Score	
		Pass____ Fail_____
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)		
Candidate Print Name & Signature:	Candidate: Print Name or Candidate #	
<p>Note to Evaluator(s): By your signature above, you verify that you are qualified to serve as an Tennessee Fire Commission Evaluator, have followed TFFC Testing Policies and have witnessed that the above candidate has tested the above skills in their entirety.</p> <p>Note to Student: Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at ANY time that you have a safety concern.</p>		



Serpentine Exercise - Fire Department Aerial Apparatus

Reference source: NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*, 4.3.3, 2017 Edition

Aerial Apparatus Driver Operator

Skill Sheet - AADO: 03

The candidate, given a **Fire Department Aerial Apparatus**, a spotter where the spotter assists the driver in performing the maneuver, and a roadway with obstructions 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.

Expected time to complete skill(s) is 25 minutes

Performance Steps	Test		Retest	
Safely performs the following steps:	P	F	P	F
1. Check and adjust driver's seat as needed				
2. Check and adjust vehicle mirrors as needed				
3. Fasten passenger restraint before putting vehicle in motion - CRITICAL POINT				
4. Drives the apparatus in a straight line along the left side of the course to begin				
5. Backs the apparatus between the markers – passing to the left of marker 1, right of marker 2, left of marker 3				
6. Does not stop the vehicle while backing				
7. Utilizes mirrors and spotter for backing				
8. Does not strike marker while backing				
9. Drives the apparatus forward between the markers – passing to the right of marker 3, left of marker 2, right of marker 1				
10. Does not stop the vehicle while driving forward				
11. Does not strike marker while driving forward				
Candidate must successfully perform 8/11 including ALL CRITICAL POINTS	Score: /11		Score: /11	
Evaluator Notes				
Evaluator Print Name & Signature:		Date	Overall Skill Sheet Score	
			Pass_	Fail
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)				
Re-Test Evaluator Print Name & Signature:		Overall Skill Sheet Re-Test Score		
		Pass__	Fail__	
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)				
Candidate Print Name & Signature:		Candidate: Print Name or Candidate #		
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Note to Student: Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at ANY time that you have a safety concern				



Alley Dock Exercise - Fire Department Aerial Apparatus

Reference source: NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*, 4.3.2, 2017 Edition

Aerial Apparatus Driver Operator

Skill Sheet - AADO: 04

The candidate, given a **Fire Department Aerial 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 shall back a vehicle from the roadway into a restricted space on both the right and the left sides of the vehicle, so that the vehicle is parked within the restricted area without having to stop and pull forward and without striking obstructions.

Expected time to complete skill(s) is 25 minutes

Performance Steps	Test		Retest	
	P	F	P	F
Safely performs the following steps:				
1. Check and adjust driver's seat as needed				
2. Check and adjust vehicle mirrors as needed				
3. Fasten passenger restraint before putting vehicle in motion – CRITICAL POINT				
Left Alley Dock				
4. Passes the barricades with the dock on the left				
5. Backs the apparatus using a left turn into the stall				
6. Stops apparatus without striking the dock				
7. Does not strike any course markers				
8. Utilizes mirrors for backing				
9. Utilizes spotter for backing – CRITICAL POINT				
10. Appropriately judges vehicle distance				
Right Alley Dock				
11. Passes the barricades with the dock on the right				
12. Backs the apparatus using a right turn into the stall				
13. Stops apparatus without striking the dock				
14. Does not strike any course markers				
15. Utilizes mirrors for backing				
16. Utilizes spotter for backing – CRITICAL POINT				
17. Appropriately judges vehicle distance				
Candidate must successfully perform 12/17 including ALL CRITICAL POINTS	Score: /17		Score: /17	

Evaluator Notes

Evaluator Print Name & Signature:	Date	Overall Skill Sheet Score	
		Pass_	Fail
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)			
Re-Test Evaluator Print Name & Signature:	Overall Skill Sheet Re-Test Score		
		Pass__	Fail__
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)			
Candidate Print Name & Signature:	Candidate: Print Name or Candidate #		

Note to Evaluator(s): By your signature above, you verify that you are qualified to serve as an Tennessee Fire Commission Evaluator, have followed TFFC Testing Policies and have witnessed that the above candidate has tested the above skills in their entirety.

Note to Student: Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern



Diminishing Clearance Exercise - Fire Department Aerial Apparatus

Reference source: NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*, 4.3.5, 2017 Edition

Aerial Apparatus Driver Operator

Skill Sheet – AADO: 05

The candidate given a **Fire Department Aerial Apparatus**, and a course that requires the candidate to move through areas of restricted horizontal and vertical clearances shall maneuver a fire apparatus in areas with restricted horizontal and vertical clearances, so that the candidate judges the ability of the vehicle to pass through the openings and so that no obstructions are struck.

Expected time to complete skill(s) is 25 minutes

Performance Steps	Test		Retest	
	P	F	P	F
Safely performs the following steps:				
1. Check and adjust driver's seat as needed				
2. Check and adjust vehicle mirrors as needed				
3. Fasten passenger restraint before putting vehicle in motion – CRITICAL POINT				
Horizontal Clearance				
4. Drives the apparatus through the diminishing lane in both forward and reverse				
5. Does not touch course marker				
6. Stops without any portion of the vehicle protruding beyond the finish line – CRITICAL POINT				
7. Utilizes mirrors while moving				
8. Appropriately judges vehicle distance				
9. Uses a spotter				
Vertical Clearance				
10. Drives the apparatus through the vertical crossbar in both forward and reverse				
11. Does not strike the prop – CRITICAL POINT				
12. Utilizes mirrors while moving				
13. Appropriately judges vehicle distance				
14. Uses a spotter				
Candidate must successfully perform 10/14 including ALL CRITICAL POINTS	Score: /14		Score: /14	

Evaluator Notes

Evaluator Print Name & Signature:	Date	Overall Skill Sheet Score	
		Pass_	Fail
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)			
Re-Test Evaluator Print Name & Signature:	Overall Skill Sheet Re-Test Score		
	Pass_	Fail_	
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)			
Candidate Print Name & Signature:	Candidate: Print Name or Candidate #		

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Note to Student: Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at **ANY** time that you have a safety concern



Confined Space Turn-Around Exercise - Fire Department Aerial Apparatus

Reference source: NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*, 4.3.4, 2017 Edition

Aerial Apparatus Driver Operator

Skill Sheet - AADO: 06

The candidate given a **Fire Department Aerial Apparatus**, a spotter for backing up and an area in which the vehicle cannot perform a U-turn without stopping and backing up, the candidate shall turn the vehicle 180 degrees within a confined space, so that the vehicle is turned 180 degrees without striking obstructions within the given space.

Expected time to complete skill(s) is 25 minutes

Performance Steps	Test		Retest	
	P	F	P	F
Safely performs the following steps:				
1. Check and adjust driver's seat as needed				
2. Check and adjust vehicle mirrors as needed				
3. Fasten passenger restraint before putting vehicle in motion – CRITICAL POINT				
4. Maintains normal driving position				
5. Maneuvers the apparatus into the area through an opening				
6. Turns the vehicle 180 degrees				
7. Maneuvers the apparatus back through the opening				
8. No portion of the apparatus extends over the boundary lines of the space at any time				
9. Utilizes mirrors while backing				
10. Utilizes a spotter while backing – CRITICAL POINT				
11. Appropriately judges vehicle clearance				
Candidate must successfully perform 8/11 including ALL CRITICAL POINTS	Score: /11		Score: /11	

Evaluator Notes

Evaluator Print Name & Signature:	Date	Overall Skill Sheet Score	
		Pass_	Fail
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)			
Re-Test Evaluator Print Name & Signature:		Overall Skill Sheet Re-Test Score	
		Pass_	Fail
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)			
Candidate Print Name & Signature:		Candidate: Print Name or Candidate #	

Note to Evaluator(s): By your signature above, you verify that you are qualified to serve as an Tennessee Fire Commission Evaluator, have followed TFFC Testing Policies and have witnessed that the above candidate has tested the above skills in their entirety.

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Fire Department Aerial Apparatus Stabilization

Reference source: NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*, 6.2.1, 6.2.2, 2017 Edition

Aerial Apparatus Driver Operator

Skill Sheet – AADO: 07

The candidate, given a **Fire Department Aerial Apparatus**, an incident location, a situation description and an assignment shall maneuver, position, stabilize an aerial apparatus and transfer power from the vehicle's engine to the hydraulic system, so that the apparatus is positioned for correct aerial device deployment, power can be transferred to the aerial device hydraulic system, and the device can be deployed.

Expected time to complete skill(s) is 25 minutes

Performance Steps	Test		Retest	
Safely performs the following steps:	P	F	P	F
1. Determines correct position for the apparatus				
2. Maneuvers apparatus into position				
3. Activates parking brakes and front axle lock (if equipped) - CRITICAL POINT				
4. Transfers power from the engine to the hydraulic system (engages PTO)				
5. Chocks wheels (if appropriate)				
6. Checks and verbalizes clearance of overhead obstructions and other obstacles– CRITICAL POINT				
7. Confirms that the setup area will support the apparatus - CRITICAL POINT				
8. Transfers hydraulic power to the stabilizing system				
9. Sets stabilizer pad, ensuring it is not a trip hazard				
10. Deploys stabilizers				
11. Checks that the apparatus is level within operational limitations				
12. Installs retaining pins (if equipped) - CRITICAL POINT				
13. Transfers power to aerial device				
Candidate must successfully perform 10/13 including ALL CRITICAL POINTS				

Evaluator Notes

Evaluator Print Name & Signature:	Date	Overall Skill Sheet Score	
		Pass___	Fail___
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)			
Re-Test Evaluator Print Name & Signature:	Overall Skill Sheet Re-Test Score		
	Pass___	Fail___	
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)			
Candidate Print Name & Signature:	Candidate: Print Name or Candidate #		

Note to Evaluator(s): By your signature above, you verify that you are qualified to serve as an Tennessee Fire Commission Evaluator, have followed TFFC Testing Policies and have witnessed that the above candidate has tested the above skills in their entirety.

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Maneuver & Position Aerial Device

Reference source: NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*, 6.2.3, 2017 Edition

Aerial Apparatus Driver Operator

Skill Sheet – AADO: 08

The candidate, given a stabilized **Fire Department Aerial Apparatus**, will 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 positioned to accomplish the assignment.

Expected time to complete skill(s) is 25 minutes

Performance Steps	Test		Retest	
	P	F	P	F
Safely performs the following steps:				
1. Wears appropriate PPE– CRITICAL POINT				
2. Transfers hydraulic power to the aerial device				
3. Checks the intended path of the aerial device for obstructions– CRITICAL POINT				
4. Operates aerial smoothly from control pedestal in correct order: <ul style="list-style-type: none"> • Raise • Rotate • Extend • Position to a specific location • Locks aerial device, if equipped 				
5. Checks rung alignment indicator				
6. Visually checks Inclinator for safe climbing angle				
7. Ensures the waterway system is drained				
8. Beds aerial in order (Unlock, Raise, Retract, Rotate, Lower)				
9. Transfers hydraulic power to stabilizers				
Candidate must successfully perform 7/9 including ALL CRITICAL POINTS	Score: /9		Score: /9	
Evaluator Notes				
Evaluator Print Name & Signature:	Date	Overall Skill Sheet Score		
		Pass_	Fail	
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)				
Re-Test Evaluator Print Name & Signature:	Overall Skill Sheet Re-Test Score			
		Pass__	Fail__	
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)				
Candidate Print Name & Signature:	Candidate: Print Name or Candidate #			
Note to Evaluator(s): By your signature above, you verify that you are qualified to serve as an Tennessee Fire Commission Evaluator, have followed TFFC Skills Testing Policy and have witnessed that the above candidate has tested the above skills in their entirety.				
Note to Student: Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at ANY time that you have a safety concern.				



Lower Aerial Device Using Emergency Operating System

Reference source: NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*, 6.2.4, 2017 Edition

Aerial Apparatus Driver Operator

Skill Sheet – AADO: 09

The candidate, given a stabilized and positioned **Fire Department Aerial Apparatus** with no hydraulic power, will lower the aerial device using the emergency operating system so that the aerial device is lowered to its bedded position.

Expected time to complete skill(s) is 25 minutes

Performance Steps		Test		Retest	
Safely performs the following steps:		P	F	P	F
1. Wears appropriate PPE– CRITICAL POINT					
2. Identifies the emergency power unit and controls					
3. Follows manufacturers guidelines to lower the aerial device to the bed position					
4. Uses proper lowering order (Unlocks, Retract, Rotate, Lower)					
Candidate must successfully perform 3/4 including ALL CRITICAL POINTS		Score: /4		Score: /4	
Evaluator Notes					
Evaluator Print Name & Signature:		Date		Overall Skill Sheet Score	
				Pass_ Fail	
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)					
Re-Test Evaluator Print Name & Signature:		Overall Skill Sheet Re-Test Score			
		Pass_		Fail_	
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)					
Candidate Print Name & Signature:			Candidate: Print Name or Candidate #		
Note to Evaluator(s): By your signature above, you verify that you are qualified to serve as an Tennessee Fire Commission Evaluator, have followed TFFC Testing Policies and have witnessed that the above candidate has tested the above skills in their entirety.					
Note to Student: Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at ANY time that you have a safety concern					



Operate Elevated Master Stream

Reference source: NFPA 1002, *Standard for Fire Apparatus Driver/Operator Professional Qualifications*, 6.2.5, 2017 Edition

Aerial Apparatus Driver Operator

Skill Sheet – AADO: 10

The candidate, given a stabilized **Fire Department Aerial Apparatus**, a master stream device and a desired flow, shall deploy and operate an elevated master stream, so that the stream is effective.

Expected time to complete skill(s) is 25 minutes

Performance Steps	Test		Retest	
	P	F	P	F
Safely performs the following steps:				
1. Wears appropriate PPE– CRITICAL POINT				
2. Checks nozzle assembly and waterway				
3. Prepares the ladder pipe assembly (if not a fixed waterway)				
4. Establishes water supply				
5. Transfers hydraulic power to the aerial device				
6. Checks the intended path of the aerial device for obstructions– CRITICAL POINT				
7. Positions the aerial device in order (Elevate, Rotate, Extend)				
8. Charges the waterway and operates the fire stream				
9. Demonstrates the following: <ul style="list-style-type: none"> • Pattern control changes • Nozzle sweep • Correct volume/nozzle pressure 				
10. Terminates the water flow				
11. Drains the waterway (full elevation and extension)– CRITICAL POINT				
12. Beds aerial in order (Raise, Retract, Rotate, Lower)				
13. Transfers hydraulic power to stabilizers				
Candidate must successfully perform 10/13 including ALL CRITICAL POINTS	Score: /13		Score: /13	

Evaluator Notes

Evaluator Print Name & Signature:	Date	Overall Skill Sheet Score	
		Pass__	Fail
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)			
Re-Test Evaluator Print Name & Signature:		Overall Skill Sheet Re-Test Score	
		Pass__	Fail__
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IFSAC)			
Candidate Print Name & Signature:		Candidate: Print Name or Candidate #	

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Initiate the Response to a Reported Emergency

Reference sources: NFPA 1002, *Standard on Fire Apparatus Driver/Operator Professional Qualifications*, 4.4.1.,4.4.2.,4.4.3.,4.4.4, 2017 Edition

Fire Apparatus Operator: AADO

Skill Sheet- FAO: AADO 11

The candidate shall demonstrate the procedures for reporting an emergency, utilizing departmental SOP's for taking and receiving alarms, radio codes or procedures, and information needs of dispatch center. Upon learning of a reported emergency you will demonstrate the proper procedures for reporting an emergency, departmental SOP's for taking and receiving alarms, radio procedures, and information needs of the dispatch center.

Expected time to complete skill(s) is 10 minutes

Performance Steps	Test		Retest	
Safely performs the following steps:	P	F	P	F
1. Operate fire department communications equipment..				
2. Demonstrates department SOP's of taking and receiving alarms.				
3. Demonstrates the ability to relay information.D.-CRITICAL POINT				
4. Demonstrate the ability to record information.D				
5. Demonstrates the ability to operate fire station telephone and intercom equipment.				
6. Demonstrates the ability to operate radio equipment and discriminate between routine and emergency traffic. CRITICAL POINT				
7. Demonstrates the ability to activate emergency procedures in accordance with departmental SOP's.				
Candidate must successfully perform 5/7 including ALL CRITICAL POINTS	Score: /7		Score: /7	
Evaluator Notes				
Evaluator Print Name & Signature:		Date		Overall Skill Sheet Score
				Pass_
				Fail_
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IF SAC)				
Re-Test Evaluator Print Name & Signature:		Date		Overall Skill Sheet Re-Test Score
				Pass_
				Fail_
By my signature above, I verify that I am currently certified to the level I am testing (TN/PB/IF SAC)				
Candidate Print Name & Signature:		Candidate: Print Name or Candidate #		
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Note to Student: Skill will end when you state or indicate to the evaluator that you have completed all the identified steps. Notify the evaluator at ANY time that you have a safety concern.				