



MONTGOMERY COUNTY FIRE AND RESCUE SERVICE
DRIVER/OPERATOR TRAINING PROGRAM

Aerial Apparatus Certification Incumbent Driver/Operator

Trainee Name: _____ ID# _____ Station: _____

Unit Stock #: _____ Mid-Mount Rear Mount Tractor-Drawn

Make: _____ Aerial Ladder Aerial Tower

Mentor Name: _____ All-wheel steer Conventional steer

Each component listed below must be completed in accordance with the Incumbent Aerial Apparatus Qualifications Requirements listed on Page 2 of this document. For components that do not apply, indicate "N/A" in the signature box.

Date Completed	Officer or Mentor Signature	Certification Component
		Incumbent Competencies
		Non-emergency Driving Documented on driving log and driving behavior evaluations.
		Rescue Tools Practical Exam Conducted by the MCFRTA Driver Training Program
		Emergency Responses Conducted after all other requirements are met. Documented on driving behavior evaluations.

I certify that I have completed the training and experience indicated above.

Trainee Signature

Date

I have verified the information contained in this packet and concur with certification of this trainee on the apparatus specified.

Supervisor Signature

Date

Supervisor Name: _____

Upon completion, distribute hardcopies of the completed documentation as follows:

Certification Form Only: Safety Section Chief, Battalion Chief, Supervisor File

Certification, Competencies, Driving Log, and Driving Behavior Evaluations: MCFRTA Driver Training, PSHQ Personnel File or LFRD Personnel File, Employee

Route original documents to the trainee's PSHQ or LFRD Personnel File.

Incumbent Aerial Apparatus Qualification Requirements

Existing Certification	Desired Certification	Training and Experience Component Requirements			
		Cone Course	Non-Emergency Driving Hours	Rescue Tool Practical Exam	Emergency Responses
Tractor Drawn Aerial (TDA)	Mid-Mount Aerial Tower	Yes	8	No	0
	All Wheel Steer Aerial Tower	Yes	12	No	0
	Conventional Rear-Mount Aerial Tower	No	6	No	0
	Straight Body Aerial Ladder	No	6	No	0
Mid-Mount Aerial Tower	TDA	No	12 driver, 12 tiller	Yes	10 driver, 10 tiller
	All Wheel Steer Aerial Tower	Yes	12	No	0
	Conventional Rear-Mount Aerial Tower	No	6	No	0
	Straight Body Aerial Ladder	No	6	No	0
All-Wheel Steer Aerial Tower	TDA	No	12 driver, 12 tiller	Yes	10 driver, 10 tiller
	Mid-Mount Aerial Tower	Yes	8	No	0
	Conventional Rear-Mount Aerial Tower	No	6	No	0
	Straight Body Aerial Ladder	No	6	No	0
Conventional Steer Rear Mount Aerial Tower	TDA	No	12 driver, 12 tiller	Yes	10 driver, 10 tiller
	Mid-Mount Aerial Tower	Yes	8	No	0
	All Wheel Steer Aerial Tower	Yes	12	No	0
	Straight Body Aerial Ladder	No	6	No	0
Conventional Steer Straight Body Aerial Ladder	TDA	No	12 driver, 12 tiller	Yes	10 driver, 10 tiller
	Mid-Mount Aerial Tower	Yes	8	No	0
	All Wheel Steer Aerial Tower	Yes	12	No	0
	Conventional Rear-Mount Aerial Tower	No	6	No	0

Completion of incumbent competencies applicable to the desired apparatus is required for all circumstances.



MONTGOMERY COUNTY FIRE AND RESCUE SERVICE
DRIVER/OPERATOR TRAINING PROGRAM

Incumbent Aerial Driver/Operator COMPETENCIES

Trainee Name: _____ ID# _____ Station: _____

Unit Stock #: _____ Mid-Mount Rear Mount Tractor-Drawn

Make: _____ Aerial Ladder Aerial Tower

Mentor Name: _____ All-wheel steer Conventional steer

Supervisor Name: _____

I have reviewed and confirmed that all competencies are completed for this trainee:

X _____ Date _____
Supervisor Signature

Trainee will complete all applicable competencies for the apparatus. Competencies that do not apply should be marked "N/A" in the trainer signature area.

Section	Competencies	Trainer Initials	Date Completed
1.0 Emergency Vehicle Pre-Response Preventive Maintenance Inspection (NFPA 1002)			
1.1	Trainee will explain how to perform a complete emergency vehicle inspection, make minor adjustments, and routine maintenance.		
1.2	Trainee will successfully identify major motor and undercarriage components including characteristics specific to the vehicle.		
1.3	Trainee will demonstrate knowledge of the components and functions of Pierce Tak-4 suspension and steering.		
1.4	Trainee will successfully explain safety checks and adjustments that should be made to prepare for emergency vehicle driving.		
1.5	Trainee will demonstrate proficiency in how to raise and lower the cab. Including emergency lifting/lowering procedures.		
1.6	Candidate will identify the vehicle height, weight, length and width.		
1.7	Trainee will identify and explain the functions off all interior cab controls including; a. Front axle brake lock b. Differential lock c. Inter axle lock		
2.0 Driving Proficiency			
2.1	Candidate will become familiar with apparatus by completing the cone course (no cones hit) prior to operating on a public roadway as required by the Incumbent Aerial Apparatus Qualification Requirements.		

<i>Section</i>	<i>Competencies</i>	<i>Trainer Initials</i>	<i>Date Completed</i>
2.2	Candidate will demonstrate proficiency and applicability of "All Wheel Steer" functions and applicable modes.		
	a. Coordinated mode.		
	b. Conventional or lock out mode.		
	c. Fireground coordinated & crab modes.		
2.3	Candidate will successfully complete the required road drive time as outlined in the Incumbent Aerial Apparatus Qualification Requirements.		
2.4	Candidate will identify methods and limitations for the application of snow chains specific to the breed of apparatus.		
3.0	Platform/Ladder Operations		
3.1	Demonstrate proper set-up procedure for aerial operations.		
	a. Identify all controls		
	b. Stabilizer operation and leveling		
	c. Identify all automated anti-collision and auto-stow features of the aerial device		
	d. Transfer power between stabilizers and aerial controls		
	e. Identify all locks and interlocks necessary to operate aerial device		
3.2	Identify location, operation, and limitations of all manual overrides.		
3.3	Demonstrate procedure and limitations for overcoming a main hydraulic system malfunction using the EPU for aerial and jacks.		
3.4	Demonstrate procedure for using hydraulic override valves during a malfunction of the electrical control valves for aerial and jacks.		
3.5	Demonstrate and explain short jack operations and limitations.		
3.6	Explain all trouble shooting procedures for aerial.		
3.7	Identify and explain the Pierce Command Zone functions at the control pedestal.		
3.8	Identify all Emergency Stops and how to reset them.		
3.9	Identify the aerial capacities for various scenarios, i.e. dry, water flowing, ice, wind conditions, angles, extension		
3.10	Identify all inclinometers on the chassis and aerial device. Describe their correlation to aerial capacity.		

<i>Section</i>	<i>Competencies</i>	<i>Trainer Initials</i>	<i>Date Completed</i>
3.11	Identify and explain the load chart for the aerial.		
3.12	Explain vertical reach capabilities at various angles.		
3.13	Demonstrate methods for overcoming a parapet for roof access via the aerial device.		
3.14	Demonstrate use and describe limitations of the aerial device as a flying standpipe.		
3.15	Identify and explain the function of turntable and platform or tip controls:		
	a. Master stream nozzle controls – pattern, rotation, elevation		
	b. Aerial speed		
	c. High idle		
	d. Extension, Rotation & Elevation control levers		
	e. Scene, aerial, and panel lights		
	f. Intercom system		
4.0 Inventory and Ground Ladders			
4.1	Trainee will identify the complete ground ladder inventory on the apparatus.		
4.2	Trainee will demonstrate knowledge of unit inventory and required maintenance including all small tools, lighting, salvage, and rescue equipment.		
5.0 Stokes Basket Transport			
5.1	The trainee will assemble and demonstrate a stokes basket operation using the aerial device in accord with the MCFRS Stokes Basket Operations Using Aerial Devices manual.		
5.2	The trainee will demonstrate the proper method for securing a Stokes Basket in the tower bucket for transport.		
6.0 Apparatus Positioning, Spotting and Ladder Placement			
6.1	Trainee will demonstrate proficiency spotting the vehicle and turntable for maximum scrub area and access for the aerial device.		
6.2	Trainee will demonstrate proficiency stabilizing the apparatus under the following conditions:		
	a) Soft ground.		
	b) Even and uneven terrain.		
	c) Slopes (front to back and side to side).		

<i>Section</i>	<i>Competencies</i>	<i>Trainer Initials</i>	<i>Date Completed</i>
6.3	Trainee will demonstrate proficiency positioning the Aerial or Platform for the following scenarios:		
	a) Rescue at a window.		
	b) Rescue at a balcony.		
	c) Roof access, including overcoming parapets.		
7.0 Master Stream Operations			
7.1	The trainee will demonstrate proficiency setting up the aerial for master stream operations. Identify all appliances, master stream positions, and GPM capability of waterway/nozzles.		
7.2	The trainee will demonstrate a working knowledge of the proper operating pressures for the waterway and angle limitations of nozzles.		
7.3	The trainee will demonstrate the proper procedure for draining and stowing the aerial after use, including auto-stow features if applicable.		
8.0 AC Electrical Systems & Components			
8.1	Trainee will demonstrate knowledge and skills using the onboard AC power generator:		
	a) Capacity and breaker location		
	b) Pre-heat, Start, Stop, Confirmation of power		
	c) Power supply (PTO vs. Diesel)		
9.0 Platform Breathing Air System			
9.1	The trainee will place onboard breathing air systems in service and identify all necessary components for SCBA compatibility.		
9.2	The trainee will demonstrate checking air supply levels and refill procedures.		

NON-EMERGENCY PUBLIC ROADWAY DRIVER/TRACTOR DRIVER TRAINING LOG

Candidate Name: _____ ID# _____

Station/Shift/Dept: _____ Mentor: _____

For at least every 2 hours of driving time a Road Driving Behavior Evaluation must be completed.

Date	Unit Driven	Hours	Supervisor Signature

Tractor drawn aerial candidates must complete both tractor and tiller driving positions. A separate log is provided for tiller training.

NON-EMERGENCY PUBLIC ROADWAY TILLER OPERATOR TRAINING LOG

Candidate Name: _____ ID# _____

Station/Shift/Dept: _____ Mentor: _____

For at least every 2 hours of driving time a Road Driving Behavior Evaluation must be completed.

Date	Unit Tilled	Hours	Supervisor Signature