



**MONTGOMERY COUNTY FIRE AND RESCUE SERVICE  
DRIVER/OPERATOR TRAINING PROGRAM**

**Aerial Apparatus Certification  
Incumbent Driver/Operator**

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.

<b>Candidate Name:</b>		<b>Date:</b>	
<b>FDID:</b>		<b>Station:</b>	
<b>Unit Stock Number:</b>			
<b>Mentor Name:</b>			

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

Indicate which Apparatus is being used for this check off			
Pierce Mid-Mount All Steer (SAM)		E-One Rear-Mount Tower	
Seagrave Mid-Mount Aerial Scope		Pierce/ Spartan Tractor-Drawn Aerial	
Pierce Rear-Mount All Steer Tower		Pierce Rear-Mount Truck / Tower Conventional Steer	

*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: \_\_\_\_\_

*Print Name*

*Upon completion, distribute Scanned PDF copies of the completed documentation as follows:*

**Certification Form Only:**

1.	_FRS_Safety_Driver_Docs	2.	Battalion Chief	3.	Station Supervisory File
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**All Incumbent Documents:**

1.	_FRSDriverTraining	3.	Employee File – All Original Documents
2.	LFRD 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 - <b><i>Aerial Scope</i></b>	Yes	8	No	0
	Mid-Mount Aerial Tower T3 Rear Steer	Yes	10	No	0
	Rear Mount Aerial Tower Conv.	No	6	No	0
	Rear Mount Aerial Tower All Steer	Yes	12	No	0
	Rear Mount Aerial Tower T3 Rear Steer	Yes	10	No	0
	Straight Body Aerial Ladder	No	6	No	0
Mid-Mount Aerial Tower (Aerial Scope)	Tractor Drawn Aerial (TDA)	No	12 Driver, 12 Tiller	Yes	10 Driver, 10 Tiller
	Mid-Mount Aerial Tower T3 Rear Steer	Yes	10	No	0
	Rear Mount Aerial Tower Conv.	No	6	No	0
	Rear Mount Aerial Tower All Steer	Yes	12	No	0
	Rear Mount Aerial Tower T3 Rear Steer	Yes	10	No	0
	Straight Body Aerial Ladder	No	6	No	0
Mid-Mount Aerial Tower All Steer (SAM)	Tractor Drawn Aerial (TDA)	No	12 Driver, 12 Tiller	Yes	10 Driver, 10 Tiller
	Mid-Mount Aerial Tower- <b><i>Aerial Scope</i></b>	Yes	8	No	0
	Rear Mount Aerial Tower Conv.	No	6	No	0
	Rear Mount Aerial Tower All Steer	Yes	8	No	0
	Rear Mount Aerial Tower T3 Rear Steer	Yes	2	No	0
	Straight Body Aerial Ladder	No	6	No	0
Rear Mount Aerial Tower Conventional	Tractor Drawn Aerial (TDA)	No	12 Driver, 12 Tiller	Yes	10 Driver, 10 Tiller
	Mid-Mount Aerial Tower - <b><i>Aerial Scope</i></b>	Yes	8	No	0
	Mid-Mount Aerial Tower T3 Rear Steer	Yes	10	No	0
	Rear Mount Aerial Tower All Steer	Yes	12	No	0
	Rear Mount Aerial Tower T3 Rear Steer	Yes	10	No	0
	Straight Body Aerial Ladder	No	6	No	0

# 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
Rear Mount Aerial Tower All-Steer	Tractor Drawn Aerial (TDA)	No	12 Driver, 12 Tiller	Yes	10 Driver, 10 Tiller
	Mid-Mount Aerial Tower - <b>Aerial Scope</b>	Yes	8	No	0
	Mid-Mount Aerial Tower T3 Rear Steer	Yes	8	No	0
	Rear Mount Aerial Tower Conv.	No	6	No	0
	Rear Mount Aerial Tower T3 Rear Steer	Yes	8	No	0
	Straight Body Aerial Ladder	No	6	No	0
Rear Mount Aerial Tower T3 Rear Steer	Tractor Drawn Aerial (TDA)	No	12 Driver, 12 Tiller	Yes	10 Driver, 10 Tiller
	Mid-Mount Aerial Tower - <b>Aerial Scope</b>	Yes	8	No	0
	Mid-Mount Aerial Tower T3 Rear Steer	Yes	2	No	0
	Rear Mount Aerial Tower Conv.	No	6	No	0
	Rear Mount Aerial Tower All Steer	Yes	8	No	0
	Straight Body Aerial Ladder	No	6	No	0
Straight Body Aerial Ladder	Tractor Drawn Aerial (TDA)	No	12 Driver, 12 Tiller	Yes	10 Driver, 10 Tiller
	Mid-Mount Aerial Tower - <b>Aerial Scope</b>	Yes	8	No	0
	Mid-Mount Aerial Tower T3 Rear Steer	Yes	10	No	0
	Rear Mount Aerial Tower Conv.	No	6	No	0
	Rear Mount Aerial Tower All Steer	Yes	12	No	0
	Rear Mount Aerial Tower T3 Rear Steer	Yes	10	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 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
<b>1.0 Emergency Vehicle Pre-Response Preventive Maintenance Inspection (NFPA 1002)</b>			
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		
1.8	Trainee will demonstrate procedures for raising the cab. <b>FRONT STABLIZERS MUST BE LOWERED!</b> <b>Seagrave Aerial Scope Only</b>		
1.9	Identify the location and fill procedure for DEF <b><i>Different for Seagrave Aerial Scope</i></b>		
1.10	Trainee will demonstrate proficiency in how to start the vehicle <b>Must allow for full gauge sweep – all apparatus</b>		
<b>2.0 Driving Proficiency</b>			
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.		

Section	Competencies	Trainer Initials	Date Completed
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. Fire ground coordinated & crab modes.		
2.3	Explain the operation of the TAK-4 T3 Rear Steer.		
2.4	TDA candidates will complete the MCFRTA Class A course. Enter date completed.		
2.5	Candidate will successfully complete the required road drive time as outlined in the Incumbent Aerial Apparatus Qualification Requirements.		
2.6	Candidate will identify methods and limitations for the application of snow chains specific to the breed of apparatus.		
2.7	Candidate needs to understand clearance issues with front stabilizers <b>Seagrave Aerial Scope and Pierce Mid-Mount SAMS</b>		
<b>3.0 Platform/Ladder Operations</b>			
3.1	Demonstrate proper set-up procedure for aerial operations.		
	a. Identify all controls		
	b. Stabilizer operation and leveling		
	b.1. How to deploy outriggers safely with one operator – <b>Seagrave Aerial Scope only</b>		
	b.2. How to deploy outriggers with two operators – <b>Seagrave Aerial Scope only</b>		
	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. ( <b>All apparatus except for Seagrave Aerial Scope</b> )		
3.6	Explain all trouble shooting procedures for aerial.		
3.7	Identify and explain the Pierce Command Zone functions at the control pedestal.		

Section	Competencies	Trainer Initials	Date Completed
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.		
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		
	g. Manual basket leveling		
3.16	Demonstrate and explain short-jack operations and limitations ( <b>Ensure short-jacked side tormentor is clear of turntable</b> ) <b>Seagrave Aerial Scope only</b>		
3.17	Candidate will identify limitations of the ladder on the boom as it relates to escape situations. ( <b>ESCAPE LADDER ONLY</b> ) <b>Seagrave Aerial Scope only</b>		
3.18	Candidate will demonstrate proper staging of tower bucket on an incident (on the ground or bedded) <b>Seagrave Aerial Scope only</b>		
3.19	Understand limitations with cab avoidance/ body avoidance features <b>Seagrave Aerial Scope only</b>		
<b>4.0 Inventory and Ground Ladders</b>			
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.		

Section	Competencies	Trainer Initials	Date Completed
<b>5.0</b>	<b>Stokes Basket Transport</b>		
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.		
<b>6.0</b>	<b>Apparatus Positioning, Spotting and Ladder Placement</b>		
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).		
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.		
<b>7.0</b>	<b>Master Stream Operations</b>		
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.		



<i>Section</i>	<i>Competencies</i>	<i>Trainer Initials</i>	<i>Date Completed</i>
<b>8.0 AC Electrical Systems &amp; Components</b>			
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)		
<b>9.0 Platform Breathing Air System</b>			
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