



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

**EMERGENCY VEHICLE DRIVER/OPERATOR  
Incumbent Aerial COMPETENCIES**

Trainee Name: \_\_\_\_\_ ID# \_\_\_\_\_ Date: \_\_\_\_\_

Station/Shift/Dept: \_\_\_\_\_ Trainer: \_\_\_\_\_

Trainee will complete all competencies associated with the apparatus that they are performing an Incumbent Check Out on. If a particular competency does not apply to the apparatus please mark N/A in the Trainer Signature box. It is the trainee's responsibility to be familiar with each Competency.

<b>Unit ID:</b>	<b>Stock #:</b>	<b>Make:</b>	<b>Year:</b>
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Section	Competencies	Trainer Signature	Date Completed
<b>1.0</b>	<b>Emergency Vehicle Pre-Response Preventative 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 a knowledge of the components and functions of 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.		

<b>Section</b>	<b>Competencies</b>	<b>Trainer Signature</b>	<b>Date Completed</b>
1.6	Candidate will identify the vehicle height, weight, length and width of the vehicle.		
1.7	Trainee will identify and explain the functions off all interior cab controls including; <ul style="list-style-type: none"> <li>a. Front brake lock</li> <li>b. Differential lock</li> <li>c. Inter axle lock</li> </ul>		
<b>2.0 Driving Proficiency</b>			
2.1	Candidate will become familiar with apparatus in an open parking lot then complete the Cone Course (no cones hit) prior to taking the apparatus on the road.		
2.2	Candidate will demonstrate proficiency in “All Steer” feature. <ul style="list-style-type: none"> <li>a. All steer coordinated mode.</li> <li>b. Conventional front lock out mode.</li> <li>c. Fireground coordinated &amp; crab modes.</li> </ul>		
2.1	Candidate will successfully complete the required road drive time as outlined in the Incumbent Matrix.		
<b>3.0 Platform/Ladder Operations</b>			
3.1	Demonstrate proper set-up procedure for aerial operations. <ul style="list-style-type: none"> <li>a. Identify all controls</li> <li>b. Proper Stabilizer deployment</li> <li>c. Know weight restrictions at various truck angles</li> <li>d. Identify all “Safety Warning” labels and decals.</li> <li>e. Transfer power to turntable</li> <li>f. Identify all locks necessary to operate aerial device.</li> </ul>		
3.2	Identify locations and explain the operation/dangers of the Manual Overrides.		
3.3	Demonstrate procedure for overcoming a main hydraulic system malfunction by using the EPU for aerial and jacks.		
3.4	Explain the limitations of the EPU.		
3.5	Demonstrate procedure for overcoming a malfunction of the electrical control valves by using the hydraulic override valves for aerial and jacks.		
3.6	Demonstrate and explain short jack operations and limitations.		
3.7	Explain all trouble shooting procedures for aerial.		
3.8	Identify and explain the Command Zone functions at the control pedestal.		
3.9	Identify all Emergency Stops and how to reset them.		
3.10	Explain maximum weight load for aerial operations: (dry, water flowing, ice, wind conditions, angles)		
3.11	Identify all angle gauges.		
3.12	Identify any plaques referring to angles and weights.		
3.13	Explain vertical reach capabilities at various angles.		

<b>Section</b>	<b>Competencies</b>	<b>Trainer Signature</b>	<b>Date Completed</b>
3.14	Identify and explain the function of platform controls:		
	a. Nozzle pattern control switch		
	b. Nozzle left/right control switch		
	c. Nozzle raise/lower control switch		
	e. Aerial speed switch		
	f. High idle switch		
	g. Extension, Rotation & Elevation control levers		
	h. Demonstrate operation of the Intercom system.		
	i. Breathing air coupling		
	j. Perform set-up procedures for Life Ladder on Aerial bucket to simulate overcoming a parapet wall.		
3.15	Explain safety requirements while operating aerial device.		
	a. Full PPE & Ladders belts		
	b. Check for Obstructions		
	c. Driver Operator positioned @ turntable		
<b>4.0</b>	<b>Ground Ladders</b>		
4.1	Trainee will be able to identify and be familiar with all ground ladders carried on the apparatus.		
<b>5.0</b>	<b>Stokes Basket Transport</b>		
5.1	The trainee will demonstrate the proper procedure for preparing the aerial for a Stokes Basket evolution. This includes a full set up and operation in compliance with the PSTA Manual for Stokes Basket Operations.		
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 in how to spot the truck and turntable, then place the aerial in a variety of situations to gain the maximum capabilities of the apparatus.		
6.2	Trainee will demonstrate proficiency in how to stabilize the apparatus for the following:		
	a) Soft ground.		
	b) Even and uneven terrain.		
	c) Slopes (front to back and side to side). What wheels must stay in contact with the ground?		
6.3	Trainee will demonstrate proficiency in where to place the Aerial for the following:		
	a) Rescue at a window.		
	b) Rescue at a balcony.		
	c) Roof work.		

<b>Section</b>	<b>Competencies</b>	<b>OIC Signature</b>	<b>Date Completed</b>
<b>7.0</b>	<b>Waterway Operations</b>		
7.1	The trainee will demonstrate proficiency setting up the aerial for master stream operations. Identify all appliances 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. Does the apparatus have auto stow?		
<b>8.0</b>	<b>Electrical Systems &amp; Components</b>		
8.1	Trainee will demonstrate proficiency in the knowledge and use of the following electrical components:		
	Onboard Generator		
	a) Capacity		
	b) Operation		
	c) Power supply (PTO vs. Diesel)		
	Portable Generator		
	b) Operation		
	b) Capacity		
	c) Fuel		
8.2	Trainee will demonstrate the knowledge and location of the electrical panel box.		
<b>9.0</b>	<b>Tower Breathing Air System</b>		
9.1	The trainee will demonstrate the proper procedure for placing the tower breathing air system in service.		
<b>10.0</b>	<b>Apparatus Inventory</b>		
10.1	Trainee will demonstrate knowledge of unit inventory including: -tools -fans -saws -fixed cord reels -portable cord reels -lights		



## Aerial Apparatus Incumbent Checklist

Trainer is to sign and date when trainee has successfully completed each component. Each component must be completed per the **Incumbent Aerial Apparatus Check Off Matrix** (revised June 2015.) If a component does not apply please place N/A in the Trainer Signature box.

Date	Signature	Component
		Successful completion of Cone Course (no cones hit.)
		Successful completion of Incumbent Competencies.
		Successful completion of drive hours with evaluations (1 evaluation per 2 hours of driving.)
		Successful completion of PSTA Rescue Test.
		Successful completion of calls with evaluations (1 evaluation per call.)

Trainee Signature \_\_\_\_\_ Date: \_\_\_\_\_

Trainer Signature \_\_\_\_\_ Date: \_\_\_\_\_

Station Officer Signature \_\_\_\_\_ Date: \_\_\_\_\_

**NOTE:** When the trainee has met all requirements for certification per Incumbent Aerial Apparatus Matrix and signatures obtained, please distribute as follows:

**Original:** Personnel File (HQ) or LFRD file

**Copies:** Station Supervisor File; Employee; Battalion Chief; MCFRTA Driver Training Coordinator; Safety Section Chief



**Montgomery County Fire And Rescue Service  
Driver/Operator Training Program**

**Incumbent Aerial Apparatus Check Off Matrix  
(Revised June 2015)**

<b>Incumbent Skill</b>	<b>New Unit</b>	<b>Cone Course</b>	<b>Incumbent Competencies</b>	<b>Drive Hours</b>	<b>PSTA Rescue Test</b>	<b>Calls</b>
Pierce TDA	Pierce Mid Mount	Yes	Yes	8	No	0
	Pierce All Steer	Yes	Yes	12	No	0
	E One Tower	No	Yes	6	No	0
	E One Truck	No	Yes	6	No	0
	Straight Body Truck	No	Yes	6	No	0
Pierce Mid Mount	Pierce TDA	No	Yes	12 F, 12 T	Yes	10 F, 10 T
	Pierce All Steer	Yes	Yes	12	No	0
	E One Tower	No	Yes	6	No	0
	E One Truck	No	Yes	6	No	0
	Straight Body Truck	No	Yes	6	No	0
Pierce All Steer	Pierce TDA	No	Yes	12 F, 12 T	Yes	10 F, 10 T
	Pierce Mid Mount	Yes	Yes	8	No	0
	E One Tower	No	Yes	6	No	0
	E One Truck	No	Yes	6	No	0
	Straight Body Truck	No	Yes	6	No	0
E One Tower	Pierce TDA	No	Yes	12 F, 12 T	Yes	10 F, 10 T
	Pierce Mid Mount	Yes	Yes	8	No	0
	Pierce All Steer	Yes	Yes	12	No	0
	E One Truck	No	Yes	6	No	0
	Straight Body Truck	No	Yes	6	No	0
E One Truck	Pierce TDA	No	Yes	12 F, 12 T	Yes	10 F, 10 T
	Pierce Mid Mount	Yes	Yes	8	No	0
	Pierce All Steer	Yes	Yes	12	No	0
	E One Tower	No	Yes	6	No	0
	Straight Body Truck	No	Yes	6	No	0
Straight Body Truck	Pierce TDA	No	Yes	12 F, 12 T	Yes	10 F, 10 T
	Pierce Mid Mount	Yes	Yes	8	No	0
	Pierce All Steer	Yes	Yes	12	No	0
	E One Tower	No	Yes	6	No	0
	E One Truck	No	Yes	6	No	0

\* Note- An Incumbent Check Off of a TDA requires a successful completion of the MCFRS Class A class. This will include a successful completion of the cone course.



