

# ROCKVILLE VOLUNTEER FIRE DEPARTMENT, INC.

## Montgomery County Fire & Rescue



### 2019 SEAGRAVE AERIALSCOPE **TOWER LADDER 703**



### INCUMBENT DRIVER/OPERATOR CERTIFICATION

Trainee Name: \_\_\_\_\_ FSID: \_\_\_\_\_

Station: \_\_\_\_\_ Shift: \_\_\_\_\_ Department: \_\_\_\_\_

Trainer Name: \_\_\_\_\_ FSID: \_\_\_\_\_

### Section Completions

Section	Description	Trainer Signature	Trainee Signature	Date
1	Prerequisites			
2	Pre-Response Preventative Maintenance Inspection & Fueling Procedures			
3	Driving Proficiency			
4	Aerial Operations			
5	Platform Operations			
6	Waterway Operations			
7	Electrical Systems & Components			
8	Apparatus Placement & Positioning			
9	Inventory			
10	Supplemental Training			

All competencies must be completed with a qualified aerial driver/operator trainer. A qualified aerial driver/operator trainer is defined as any Rockville Volunteer Fire Department or MCFRS personnel who are qualified operators/drivers of the specified apparatus for a minimum of one year or those otherwise listed as driver trainers.

Upon completion of all requirements for certification, distribute hardcopies of this document as follows:

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

**Certification, Competencies, & Driving Log:** MCFRTA Driver Training, PSHQ Personnel File OR LFRD Personnel File and member/employee. Originals to be placed in trainee's Personnel File.

## Section 1 – Prerequisites

### REQUIREMENTS MUST BE COMPLETE PRIOR TO PACKET ISSUANCE

Section	Requirements	Trainer Signature	Date
1.1	Verification of Valid Driver's License		
1.2	Verification of MCFRTA - Class B – EVOC <i>(or MD Class B equivalent – pre MFRI EVOC-B)</i>		
1.3	Be IECS certified as an MCFRS Firefighter/Rescuer II or Higher		
1.4	Qualified as an Aerial Tower / Truck Driver		

## Section 2 – Pre-Response Preventative Maintenance Inspection & Fueling Procedures

Section	Competency	Trainer Signature	Date
2.1	Trainee will explain how to perform a complete emergency vehicle inspection, make minor adjustments, schedule routine maintenance, and complete required documentation.		
2.2	Trainee will demonstrate procedures for raising the cab. <b>FRONT STABILIZERS MUST BE LOWRERD!</b>		
2.3	Trainee will successfully identify Fluid fill and check locations.		
2.4	Trainee will successfully conduct a <b>monthly</b> inspection at the station using the inspection checklist.		
2.5	Trainee will demonstrate proficiency in how to start the vehicle. ( <b>Must allow for full Gauge Sweep</b> ) 5 second delay.		
2.6	Trainee will successfully explain the uses of the Seagrave digital interface screen/control wheel		
2.7	Trainee will identify and explain the functions off all interior cab controls including: <ul style="list-style-type: none"> <li><input type="checkbox"/> Inter-Axle Lock</li> <li><input type="checkbox"/> Differential Lock</li> <li><input type="checkbox"/> Off Road Traction Operations</li> <li><input type="checkbox"/> Jacobs Brake / Aggressive Downshift operations</li> <li><input type="checkbox"/> ABS Braking System</li> <li><input type="checkbox"/> Crew Cab heater cut-off</li> <li><input type="checkbox"/> Headlights</li> <li><input type="checkbox"/> Windshield wipers (cut-off in park)</li> </ul>		

Section	Competency	Trainer Signature	Date
2.8	Trainee will identify the vehicle: <input type="checkbox"/> height, <input type="checkbox"/> weight, <input type="checkbox"/> length <input type="checkbox"/> Width		
2.9	The trainee will demonstrate knowledge of the proper fueling procedure at County Fuel Depot, including never leaving the vehicle with less than ¾ full of fuel.		
2.10	The Trainee will explain any physical limitations or special cautions of the unit entering or exiting fuel sites.		
2.11	The trainee will demonstrate proper fill procedures for the apparatus Diesel Exhaust Fluid (DEF) tank.		

**SECTION 1 & 2 MUST BE COMPLETED & SIGNED BEFORE BEGINNING SECTION 3**

### Section 3 - Driving Proficiency

**SECTION 3.1 MUST BE COMPLETED AND SIGNED PRIOR TO TRAINEE BEGINNING ANY NON-EMERGENCY DRIVING ON PUBLIC ROADS (Section 3.2).**

Section	Competency	Trainer Signature	Date
3.1.0	Trainee must complete minimum of 1 hour of parking lot (cone course) driving prior to road driving.		
3.1.1	The trainee will successfully complete the cone course competencies.		
3.1.1-a	a. Trainee will demonstrate proficiency in the completion of the diminishing clearance exercise		
3.1.1-b	b. Trainee will demonstrate proficiency in the completion of the turnaround exercise.		
3.1.1-c	c. Trainee will demonstrate proficiency in the completion of the off-set alley exercise		
3.1.1-d	d. Trainee will demonstrate proficiency in the completion of the alley dock exercise.		
3.1.1-e	e. Trainee will demonstrate proficiency in the completion of the serpentine exercise.		
3.1.2	Trainee demonstrates an understanding and proficiency with vehicle tail swing.		
3.2.0	<b>Existing Aerial Apparatus Drivers</b> will successfully complete <b>8 hours</b> of non-emergency driving on public roads. Routine driving <b>MUST</b> be documented on attached driving evaluation forms.		

## Section 4 – Aerial Operations

Section	Competency	Trainer Signature	Date
4.0	Identify all “Safety Warning” labels and decals.		
4.1	Trainee will demonstrate proper set-up for elevated platform operations (normal operations).		
4.1-a	a. Identify and activate all controls in cab		
4.1-b	b. Identify stabilizer control locations		
4.1-c	c. Properly deploy stabilizers using 2 operators (1 Driver side and 1 OIC side)		
4.1-d	d. Properly deploy stabilizers using curb side override switch. Trainee must explain/demonstrate proper safety practices for single operator deployment: <ul style="list-style-type: none"> <li><input type="checkbox"/> <u>Mandatory</u> 360 Walk-around before deployment</li> <li><input type="checkbox"/> Use of driver aides (camera/mirror) shall not forgo 360 walk-around</li> </ul>		
4.1-e	e. properly stabilizes apparatus		
4.1-f	f. Transfers power to aerial.		
4.2	Trainee will demonstrate proper set-up for elevated platform operations (Short-Jack).		
4.2-a	a. <b>Ensures short-jacked side tormentor is CLEAR of turntable.</b> Short jacked Tormentor must be deployed from the short jacked side.		
4.2-b	b. properly transfers power to aerial.		
4.2-c	c. explains limitations of aerial operation under short-jack conditions.		
4.3	Trainee will demonstrate proper set-up for elevated platform operations (override operations).		
4.3-a	a. Trainee will demonstrate proper stabilization of apparatus using hydraulic overrides.		
4.3-b	b. properly transfers power to aerial.		
4.4	Identify maximum weight capacity for platform operations: <ul style="list-style-type: none"> <li><input type="checkbox"/> Dry/Wet</li> <li><input type="checkbox"/> Lifting</li> <li><input type="checkbox"/> Boom Lift Eye</li> </ul>		
4.5	Trainee will properly operate aerial from pedestal <ul style="list-style-type: none"> <li><input type="checkbox"/> Using hydraulic controls</li> <li><input type="checkbox"/> Demonstrates competency with Seagrave digital interface</li> </ul>		

<b>Section</b>	<b>Competency</b>	<b>Trainer Signature</b>	<b>Date</b>
4.6	Trainee demonstrates proper procedure for stowing aerial platform from pedestal.		
4.7	Identify locations and explain the operation of manual overrides:		
4.7-a	a. Emergency Stop Button		
4.7-b	b. Manual stabilizer control valves		
4.7-c	c. Platform manual control valves		
4.7-d	d. Emergency Pump Unit		
4.8	Identify and explain the function of pedestal controls:		
4.8-a	a. Nozzle pattern control switch		
4.8-b	b. Nozzle left/right control switch		
4.8-c	c. Nozzle raise/lower control switch		
4.8-d	d. Demonstrate stowing nozzle from the platform only.		
4.8-e	e. explains how to operate nozzle manually.		
4.9	Explain troubleshooting procedures for:		
4.9-a	a. Stabilizer switches do operate the stabilizers		
4.9-b	b. Aerial controls are not activating functions		
4.9-c	c. Aerial will not rotate		
4.9-d	d. Ladder will not lower into the boom support		
4.9-e	e. Emergency Hydraulic Power Unit (EPU) not working		
4.9-f	f. PTO does not engage after reset of E-Stop		
4.9-g	g. Operator in the platform activates the E-Stop and is unable to reset		

## **Section 5 – Platform Operations**

<b>Section</b>	<b>Competency</b>	<b>Trainer Signature</b>	<b>Date</b>
5.0	Identify all “Safety Warning” labels and decals.		
5.1	Identify maximum weight capacity for platform operations <input type="checkbox"/> Dry/Wet <input type="checkbox"/> Lifting		
5.2	Identify the aerial reach and platform payload		
5.3	Identify and explain function of Platform controls.		

<b>Section</b>	<b>Competency</b>	<b>Trainer Signature</b>	<b>Date</b>
5.3-a	a. Emergency Stop Button		
5.3-b	b. D/C Powered Scene Lights		
5.3-c	c. Platform locator lights		
5.3-d	d. Generator Start/Stop (note delay)		
5.3-e	e. Identify A/C power location		
5.4	<p>Trainee demonstrates proficiency operating hydra-motion swivel (in all speeds) by scaling and sweeping a building to simulate rescues and firefighting operations.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Creep</li> <li><input type="checkbox"/> Slow</li> <li><input type="checkbox"/> Fast</li> <li><input type="checkbox"/> With and w/out High Idle on</li> </ul>		
5.5	Trainee will stow the aerial using platform controls.		
5.6	Identify and explain the function of platform controls:		
5.6-a	a. Nozzle pattern control switch		
5.6-b	b. Nozzle left/right control switch		
5.6-c	c. Nozzle raise/lower control switch		
5.6-d	d. Demonstrate stowing nozzle from the platform only.		
5.6-e	e. explains how to operate nozzle manually.		
5.7	Trainee will demonstrate use of Stokes Basket cradle system		
5.8	Trainee will properly deploy the escape ladder. Trainee understands that the ladder is for emergency situations only.		

## Section 6 – Waterway Operations

<b>Section</b>	<b>Competency</b>	<b>Trainer Signature</b>	<b>Date</b>
6.1	<p>Trainee will demonstrate proficiency setting up the tower for master stream operations.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Single Line Supply</li> <li><input type="checkbox"/> Dual Line Supply</li> <li><input type="checkbox"/> Siamese Supply</li> <li><input type="checkbox"/> 3" Supply</li> <li><input type="checkbox"/> Pressure Gauge at base</li> </ul>		
6.2	Trainee will demonstrate a working knowledge of the proper operating pressures for the waterway.		
6.3	Trainee will demonstrate use of water curtain / shower.		

Section	Competency	Trainer Signature	Date
6.4	Trainee will explain uses for 2.5" platform discharge.		
6.5	Trainee will demonstrate the proper procedure for draining and stowing the waterway after use.		

### Section 7 – Electrical Systems & Components

Section	Competency	Trainer Signature	Date
7.1	Trainee will demonstrate proficiency in the knowledge and use of the following electrical components (as applicable):		
7.2	Onboard Generator		
7.2-a	a. Trainee explains proper procedure for starting generator. <b>Not to be started when vehicle is in motion.</b>		
7.2-b	b. Capacity		
7.2-b	c. Placing into Operation <input type="checkbox"/> From Cab <input type="checkbox"/> Pedestal / Platform (delay)		
7.2-d	d. Identify all fixed outlet locations		
7.3	Identify Differences in Ventilation Fans <input type="checkbox"/> Battery Powered <input type="checkbox"/> Smoke Ejector <input type="checkbox"/> Gas PPV		
7.4	Electrical Cord Reels		
7.4-a	a. Length of Fixed Reels		
7.4-b	b. Length of Portable Reels		
7.5	Trainee will demonstrate the knowledge and location of the electrical panel box.		

### Section 8 – Apparatus Placement & Positioning

Section	Competency	Trainer Signature	Date
8.1	Trainee will demonstrate proficiency in how to spot the turntable for the following:		
8.1-a	a. Rescue at sides A and B.		
8.1-b	b. Rescue on sides C and D.		
8.1-c	c. To achieve maximum scrub area on a single side of the building		
8.1-d	d. Positioned for blitz attack (bucket on ground)		

<b>Section</b>	<b>Competency</b>	<b>Trainer Signature</b>	<b>Date</b>
8.2	Trainee will demonstrate proficiency in how to stabilize the apparatus for the following:		
8.2-a	a. Soft ground.		
8.2-b	b. Even and uneven terrain.		
8.2-c	c. Slopes (front to back and side to side).		
8.3	Trainee will demonstrate proficiency in where to place the Aerial Tower Bucket for the following:		
8.3-a	a. Rescue at a window.		
8.3-b	b. Rescue at a balcony.		
8.3-c	c. Roof work.		
8.4	Trainee will successfully explain the operating limitations the ladder in inclement weather. <input type="checkbox"/> Icy Conditions <input type="checkbox"/> Windy Conditions		

### **Section 9 – Inventory**

<b>Section</b>	<b>Competency</b>	<b>Trainer Signature</b>	<b>Date</b>
9.1	Trainee will demonstrate knowledge of unit inventory.		
9.2	Trainee will be able to identify and be familiar with all ground ladders carried on the apparatus.		

### **Section 10 – Supplemental Training**

<b>Section</b>	<b>Requirements</b>	<b>Trainer Signature</b>	<b>Date</b>
9.1	Trainee will complete 1-Day of Seagrave Factory Training		
9.2	Trainee will complete RVFD in-house tactical operator training.		



## NON-EMERGENCY DRIVING LOG

Trainee shall record a minimum of eight (8) hours of non-emergency driving with a qualified driver trainer. The non-emergency driving time must include a minimum of two (2) hours of night driving. Evaluators shall indicate satisfactory or unsatisfactory performance. Any unsatisfactory rating must have evaluator comments. Hours with an unsatisfactory rating will not count toward the trainee's total hours.

<b>DATE</b>	<b>Unit Driven</b>	<b>Hours</b>	<b>Evaluator Signature</b>