



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

**EMERGENCY VEHICLE DRIVER/OPERATOR
TRAINING COMPETENCIES
BRUSH TRUCK**

Trainee Name: _____ **ID#** _____ **Issued Date:** _____

Station/Shift/Dept: _____ **Mentor:** _____

Unit #: _____ **Make:** _____ **Year:** _____

Supervisor Name: _____

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

Supervisor Signature **Date**

The following competencies are intended to meet or exceed the requirements of NFPA 1002: Standard for Fire Apparatus Driver/Operator Professional Qualifications.

<i>Section</i>	<i>Competencies</i>	<i>Mentor Initials</i>	<i>Date Completed</i>
1.0	Vehicle Inspection and Driving Preparation		
1.1	Trainee will explain the purpose of an emergency vehicle inspection, routine maintenance, and supporting documentation.		
1.2	Trainee will locate and identify major motor vehicle components, including: <ul style="list-style-type: none"> • Batteries • Brake system • Coolant system • Electrical system • Fluids • Tires and Suspension • Steering system • Belts 		
1.3	Trainee will explain daily, weekly, and monthly routine maintenance on an emergency vehicle.		
1.4	Trainee will explain safety checks and adjustments made to prepare for emergency vehicle driving.		
1.5	Trainee will demonstrate starting the emergency vehicle.		
1.6	Trainee will explain precautions to take before moving an emergency vehicle.		

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1.7	Trainee will conduct an inspection on a Brush Truck at the station using the MCFRS Apparatus Checkout Sheet		
1.8	Trainee will explain the apparatus and equipment defect reporting procedures for assigned station.		
1.9	Trainee will identify vehicle height, weight, length and width.		
1.10	Trainee will explain the MCFRS out of service criteria and where to locate it.		
1.11	Trainee will identify fueling procedures for the assigned unit, including the pump unit and replenishment of DEF if applicable.		
1.12	Trainee will describe the indications of regeneration and actions to take to complete regeneration for the assigned unit.		
1.13	Pump Preventive Maintenance		
	Trainee will demonstrate proficiency backflushing the pump		
	Trainee will demonstrate a dry prime test if applicable		
	Trainee will explain maintenance on the pump panel and accessories		
	Trainee will explain any fueling or other motor fluid requirements of the pump		
2.0	Operating an Emergency Vehicle		
2.1	Trainee will explain the application and demonstrate the use of audible and visual warning devices, auxiliary systems or fixtures, and chassis controls.		
2.2	Trainee will explain the occupant restraint systems, supplement restraint systems, and vehicle stability control systems of the assigned unit.		
2.3	Trainee will explain defensive driving techniques and legal requirements during non-emergency travel.		
2.4	Trainee will explain defensive driving techniques and privileges granted during emergency travel.		
2.11	Trainee will explain actions and considerations when parking or positioning a Brush Truck at an incident scene or within an off-road area.		
3.0	Handling Dangerous & Unusual Driving Situations		
3.1	Trainee will identify operating procedures for driving in adverse weather conditions.		
3.2	Trainee will explain actions and considerations for various hazards, such as: <ul style="list-style-type: none"> • Vehicle malfunction or component failure • Change or deterioration in the road conditions • Debris or obstacles in the road way • Sudden weather changes • Civilian driver error, inattention, confusion, or inexperience 		

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3.3	Trainee will explain actions and considerations during loss of traction in relation to braking, accelerating, steering, and hydroplaning.		
3.4	Trainee will explain actions and considerations for vehicle-related hazards, such as: <ul style="list-style-type: none"> • Rapid Tire Deflation • Brake Failure or Fade • Transmission Malfunctions • Steering Malfunctions/Failure • Stuck Accelerator • Impaired Visibility • Wheels leaving the pavement • Dashboard warning lights or messages 		
3.5	Trainee will explain actions and considerations when parking or positioning a vehicle that has experienced a mechanical malfunction.		
3.7	Trainee will demonstrate installation, identify precautions, and describe the use of standard tire chains on a four-wheel drive vehicle.		
3.8	Trainee will describe actions and considerations during off-road driving situations, including traversing slopes, water crossings, and go/no-go situations.		
4.0	Driving Course		
4.1	Trainee will complete all practical and didactic components of the MCFRTA Emergency Vehicle Operator Course and achieve certification, or obtain equivalency of such a course per MCFRS requirements.		
5.0	Non-Emergency Driving Experience		
5.1	Trainee will complete a minimum of 1 hour of supervised non-emergency driving on public roadways while assigned to an operations unit. Performance will be documented using a Driving Behavior Evaluation.		
5.2	Trainee will complete a minimum of 1 hour of supervised non-emergency driving off of improved or paved surfaces.		
6.0	Apparatus Inventory		
6.1	Trainee will demonstrate knowledge of apparatus inventory.		
6.2	Trainee will demonstrate use and application of all power tools in the unit inventory, including portable pumps, chainsaws, and leaf blowers		
7.0	Pump Operations		
7.1	Trainee will successfully identify all pump panel and control components.		
7.2	Trainee will demonstrate engaging the pump, including any starting procedures for auxiliary motors.		
7.3	Trainee will demonstrate knowledge of all nozzles carried on the apparatus, including size, type, GPM, and nozzle pressure requirements.		

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7.4	Trainee will demonstrate proficiency in the ability to place an attack line in service using the apparatus tank water.		
7.5	Trainee will demonstrate proficiency in the ability to establish water supply and refill the onboard tank from a pressurized source.		
7.6	Trainee will demonstrate proficiency in the ability to establish water supply and refill the onboard tank using drafting procedures.		
8.0	Winch Operations		
8.1	Trainee will demonstrate proficiency in utilization of a winch and associated rigging.		
	a) selecting suitable anchor points		
	b) deploying winch cable via free-spool and under power		
	c) securing anchor straps or chains		
	d) identifying winch configurations and capacities		
	e) engaging the winch and placing tension on the winch cable		
	f) safety precautions, including personnel positioning, cable whiplash prevention, cable inspection, minimum wraps on the drum		
8.2	Trainee will describe and demonstrate inspection and proper spooling of the winch cable		
9.0	Snow Plow Attachments		
9.1	Trainee will demonstrate attachment and detachment of the plow from the vehicle.		
9.2	Trainee will demonstrate knowledge of plowing techniques and plow controls.		
10.0	Auxiliary Equipment		
10.1	Trainee will demonstrate use of onboard AC electrical power generation equipment.		
10.2	Trainee will demonstrate use of ground sweep and/or remote controlled monitors.		
10.3	Trainee will identify the trailer towing capacity of the vehicle and associated towing features integral to the vehicle. <i>Note: A separate MCFRS trailer towing qualification packet must be completed in order to qualify to pull trailers.</i>		