



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

**EMERGENCY VEHICLE DRIVER/OPERATOR
TRAINING COMPETENCIES
RESCUE SQUAD**

Candidate Name: _____ ID# _____ Date: _____

Station/Shift/Dept: _____ Mentor: _____

Unit #: _____ Make: _____ Year: _____

Supervisor Name: _____

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

Supervisor Signature

Date

- **Master** Able to perform Competency 90-100% of the time without assistance.
- **Proficient** Able to perform Competency 80-90% of the time without assistance.
- **Competent** Able to perform Competency 70-80% of the time without assistance.

Sect.	Performance Level	Competencies	Evaluator Initials	Date Completed
1.0 Emergency Vehicle Pre-Response Preventative Maintenance Inspection (NFPA 1002)				
1.1	Master	Candidate will explain the process and properly perform a pre-response PM inspection, and provide adequate documentation on a checklist.		
1.2	Proficient	Candidate will successfully explain the purpose of emergency vehicle pre-response preventative maintenance inspections.		
1.3	Proficient	Candidate will successfully explain the steps to the emergency vehicle pre-response inspection process.		
1.4	Proficient	Candidate will successfully explain the safety precautions for emergency vehicle pre-response preventative maintenance inspections.		
1.5	Master	Candidate will successfully conduct a pre-response inspection on an emergency vehicle.		
2.0 Vehicle Inspection and Driving Preparation (NFPA 1002)				
2.1	Proficient	Candidate will explain how to perform a complete emergency vehicle inspection, schedule routine maintenance, and complete required documentation.		
2.2	Competent	Candidate will successfully identify major motor vehicle components.		

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2.3	Competent	Candidate will successfully explain features of an emergency vehicle pre-response preventable maintenance inspection.		
2.4	Competent	Candidate will successfully explain how to perform routine maintenance on an emergency vehicle.		
2.5	Master	Candidate will successfully explain safety checks and adjustment that should be made to prepare for emergency vehicle driving.		
2.6	Master	Candidate will demonstrate proficiency in how to start the emergency vehicle.		
2.7	Master	Candidate will successfully explain precautions to take before moving an emergency vehicle.		
2.8	Master	Candidate will successfully conduct an inspection on a piece of apparatus at the station using the model inspection checklist		
2.9	Proficient	Candidate will explain the apparatus and equipment defect reporting procedures for assigned station.		
2.10	Competent	Candidate will identify vehicle height, weight, length and width.		
3.0	Operating an Emergency Vehicle (NFPA 1002)			
3.1	Master	Candidate will be able to explain the purpose and use of emergency signaling equipment, how basic vehicle control tasks are accomplished, required urban driving skills, how to negotiate intersections, and make vehicle turnabouts.		
3.2	Master	Candidate will successfully explain the purpose of emergency vehicle signaling equipment.		
3.3	Proficient	Candidate will successfully explain basic emergency vehicle control tasks.		
3.4	Competent	Candidate will successfully explain urban emergency vehicle defensive driving skills.		
3.5	Master	Candidate will successfully explain how to safely negotiate a vehicle through intersection.		
3.6	Master	Candidate will successfully explain how to safely negotiate a vehicle operated in an emergency mode through intersections.		
3.7	Master	Candidate will successfully explain how to turn emergency vehicles around in a variety of situations.		
3.8	Master	Candidate will successfully explain the safe operating procedure for following another vehicle.		
3.9	Master	Candidate will successfully explain the safe operating procedures for passing another vehicle.		
3.10	Master	Candidate will successfully explain the safe operating procedures for expressway operations.		
3.11	Master	Candidate will successfully explain the safe operating procedures for driving at high speeds.		
3.12	Master	Candidate will successfully explain the operation of the rear axle locks and positive traction devices.		
4.0	Handling Dangerous & Unusual Driving Situations (NFPA 1002)			
4.1	Proficient	Candidate will be able to explain methods to prevent, and when necessary, control unusual and dangerous driving situations.		

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4.2	Proficient	Candidate will successfully identify proper operating procedures for driving in adverse conditions.		
4.3	Proficient	Candidate will successfully explain how to handle contingency situations when they occur.		
4.4	Proficient	Candidate will successfully explain how to handle skids.		
4.5	Proficient	Candidate will successfully explain how to handle vehicle emergencies.		
4.6	Proficient	Candidate will successfully explain how to park a vehicle in an emergency.		
4.7	Proficient	Candidate will demonstrate proficiency in the proper use of on-spot chains.		
4.8	Proficient	Candidate will demonstrate proficiency in the proper installation of snow chains on that particular vehicle.		
5.0	Driving Course Rules & Procedures (NFPA 1002)			
5.1	Master	Candidate will demonstrate proficiency in applications of rules and procedures during driving course exercises, with guidance.		
5.2	Master	Candidate will demonstrate proficiency in the completion of the serpentine exercise.		
5.3	Master	Candidate will demonstrate proficiency in the completion of the alley dock exercise.		
5.4	Master	Candidate will demonstrate proficiency in the completion of the opposite alley exercise.		
5.5	Master	Candidate will demonstrate proficiency in the completion of the turn around exercise.		
5.6	Master	Candidate will demonstrate proficiency in the completion of the diminishing clearance exercise.		
5.7	Master	Candidate will demonstrate proficiency in parallel parking of an emergency vehicle.		
5.8	Master	Candidate will successfully explain the purpose of the controlled braking exercise.		
6.0	Driving Experience			
6.1	Master	Candidate must complete a minimum of 12 hours driving time on public roadways (parking lot time does not count towards this requirement).		
7.0	Pneumatic Tools & Equipment			
7.1	Master	Candidate will demonstrate knowledge and use of the on-board air systems:		
		a) High Pressure (cascade if equipped)		
		b) Low Pressure		
7.2	Proficient	Candidate will demonstrate proficiency in the type and operation of any air regulator(s).		
7.3	Master	Candidate will demonstrate ability to assemble and use a remote air system:		
		a) Air sources		
		b) Adapters		

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7.4	Proficient	Candidate will demonstrate proficiency in the knowledge and use of the onboard cascade system including booster pump. (if equipped)		
7.5	Master	Candidate will demonstrate proficiency in the use of the following pneumatic tools:		
		a) self-oilers		
		b) air chisel		
		c) rotary/wizzer saw		
		d) reciprocating saw		
		e) impact wrench		
		f) air ratchet		
7.6	Master	Candidate will demonstrate proficiency in the use of the high pressure lifting air bags:		
		a) sizes		
		b) capacity		
		c) assembly and placement		
		d) tandem use and stacking		
7.7	Master	Candidate will demonstrate proficiency in the use of the medium pressure lifting air bags:		
		a) sizes		
		b) capacity		
		c) assembly and placement		
8.0	Hydraulic Tools & Equipment			
	8.1	Master	Candidate will demonstrate knowledge and use of the fixed hydraulic power plant(s).	
			a) hydraulic fluid access and level	
			b) length of hose on reels and coils	
8.2	Master	Candidate will demonstrate knowledge and use of the portable hydraulic power plant(s).		
		a) hydraulic fluid access and level		
		b) tool capacity		

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8.3	Master	Candidate will demonstrate knowledge and use of the following equipment:		
		a) spreaders		
		b) cutters		
		c) rams		
		d) combination tool		
		e) lift cylinders		
		f) accessories		
8.4	Proficient	Candidate will demonstrate knowledge and use of the Hurst Mini-Lite pump and accessories.		
8.5	Proficient	Candidate will demonstrate knowledge and use of floor and bottle jacks.		
9.0	Shoring & Stabilization Equipment			
9.1	Master	Candidate will demonstrate knowledge and use of cribbing for the following configurations:		
		a) box crib (up to 4 points of contact)		
		b) sloped box crib		
		c) step cribbing, wedges, and shims		
9.2	Proficient	Candidate will demonstrate knowledge and use of stabilization struts:		
		a) sizes		
		b) capacity		
		c) accessories		
9.3	Proficient	Candidate will demonstrate knowledge, inspection, and use of lifting and pulling devices:		
		a) Cable come-along: capacity, usable length, failure component, method of operation		
		b) Chain come-along: capacity, usable length, failure component, method of operation		
		c) Grip-hoist: capacity, wire rope characteristics, failure component, method of operation		
		c) On-board apparatus winch: capacity, usable length, failure component, method of operation		
		d) Gas powered portable winch: capacity, usable length, failure component, method of operation		
		e) Ratchet straps: capacity, usable length, failure component, method of operation		
		f) Chains and accessories: grades, capacities, cheater chains, hook types		
		g) Lifting straps, bridles, and accessories capacities, configurations/hitches, lengths		

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10.0	Tools & Equipment			
10.1	Master	Candidate will demonstrate knowledge and application of hand tools on the apparatus.		
10.2	Master	Candidate will demonstrate knowledge and operation of power tools on the apparatus.		
		a) Portable Fans power requirements, fan size, volume		
		b) Chainsaw(s) fluid requirements, chain types		
		c) Rotary or cut-off saw(s) fuel type, blade types, blade changes		
		d) Cutting torch(s) fuel/power source, method of ignition, capacity, accessories		
		e) Reciprocating saw(s) power source, blade types, blade changes		
11.0	Atmospheric Monitoring Devices			
11.1	Proficient	Candidate will demonstrate knowledge, maintenance, and use of the 4-gas monitor carried on the apparatus.		
11.2	Proficient	Candidate will demonstrate knowledge, maintenance, and use of the single gas CO monitor carried on the apparatus.		
12.0	Rope Systems & Rescue Equipment			
12.1	Proficient	Candidate will explain the characteristics of static life safety rope, including construction, diameter, why it is preferred for rescue work, safety factor, and breaking strength.		
12.2	Proficient	Candidate will demonstrate interior lashing of a patient in the stokes basket.		
		a) waist lashing (15' webbing)		
		b) foot lashing (15' webbing)		
		c) chest lashing (15' webbing)		
12.3	Proficient	Candidate will demonstrate exterior lashing of a patient in the stokes basket.		
12.4	Master	Candidate will demonstrate rigging a stokes basket and SKED stretcher in the following configurations:		
		a) vertical raise		
		b) horizontal raise		
		c) slope evacuation <ul style="list-style-type: none"> • 3:1 simple • 4:1 compound 		

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12.5	Proficient	Candidate will demonstrate proficiency tying the following knots:		
		a) bowline Yosemite, double long tail		
		b) Figure 8 simple, on a bight		
		d) half hitch		
		e) clove hitch		
		f) Munter hitch		
		g) overhand bend with webbing		
		h) butterfly knot		
		i) double overhand knot		
		j) double overhand bend with rope		
12.6	Proficient	Candidate will demonstrate proficiency in the application of the following configurations of Prusiks:		
		a) double wrap		
		b) triple wrap		
		c) tandem triple wrap		
12.7	Proficient	Candidate will demonstrate the following configurations of anchors:		
		a) high strength (tree wrap)		
		b) wrap 3 – pull 2		
		c) multi-point fixed & focused		
12.8	Proficient	Candidate will explain the difference between bombproof and marginal anchors.		
12.9	Proficient	Candidate will demonstrate knowledge and assembly of the following belay systems/devices:		
		a) Tandem triple-wrap Prusik		
		b) self belay		
		c) Traverse rescue 540°		
12.10	Proficient	Candidate will demonstrate knowledge of the capacity and application of the multi-pod/frame system. Candidate will assemble the multi-pod/frame system and accessories.		

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12.11	Master	Candidate will assemble the following mechanical advantage systems:		
		a) 2:1 simple		
		b) 3:1 simple		
		c) 4:1 simple		
		d) 4:1 compound		
		e) 9:1 compound		
		f) ganged		
13.0	Electrical Systems & Lighting Equipment			
13.1	Master	Candidate will demonstrate knowledge, use, and application of the following equipment:		
		a) Onboard generator capacity, operation, power outlets, circuit breaker panel		
		b) Portable generator(s) capacity, operation, fuel type		
		c) Light Tower height, overhead clearance concerns		
		d) Fixed scene lights		
		e) Portable scene lights		
		f) Fixed cord reels cord gauge, cord length, operation		
		g) Portable cord reels cord gauge, cord length		
13.2	Master	Candidate will use onboard equipment to illuminate a 3-room area. The setup will consist of a trunk line, branch lines, portable lights, and any necessary adapters.		
14.0	Water/Ice Rescue Equipment			
14.1	Master	Candidate will demonstrate knowledge and use of personal flotation devices.		
14.2	Master	Candidate will demonstrate knowledge and use of dry suits.		
14.3	Master	Candidate will demonstrate use of throw devices.		
14.4	Proficient	Candidate will identify and describe the application of miscellaneous water/ice rescue equipment (slings, tethers, buoys).		

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15.0		Policies & Orders		
15.1	Master	Candidate will be familiar with Policy #24-07AMII SOP for Safe Structural Firefighting Operations		
15.2	Proficient	Candidate will be familiar with the following policies:		
		a) #24-06AMII Metro Incident SOP		
		b) #25-07 Natural Gas Incident Response		
		c) #24-04 Vehicle Accident Response		
		d) #24-02 Vehicle Collision Investigation		
		e) #24-03 First Response for Trench Collapse Incident		
16.0		Apparatus Positioning		
16.1	Proficient	Candidate will explain considerations for positioning a rescue squad on the following incident types:		
		a) EMS incident		
		b) Vehicle collision		
		c) Trench collapse		
		d) Single family dwelling fire		
		e) Hazardous materials incident		
		f) Commercial structure fire		
17.0		Inventory		
17.1	Master	Candidate will demonstrate knowledge of apparatus inventory.		