

XIV. MINIMUM STANDARDS FOR DRIVER/OPERATOR

The duties of an Emergency Vehicle Operator are extremely dangerous, as well as mentally and physically exhausting, when responding to, returning from, or operating at an emergency scene. In order to render proper service to his/her department, and in keeping with this concept, an Emergency Vehicle Operator must be physically sound and free from any defect which may adversely affect his/her performance of duty. An Emergency Vehicle Operator's personal safety and the lives of others will be endangered without appropriate training and driving skills. If these skills and training are not applied at regular intervals, competency decreases, hence the need for continual driver re-certification. Driver re-certification is a vital element in maintaining a valid and professional emergency vehicle driver program.

A. Reference Materials

The jurisdictional entity in which the Driver/Operator Personnel serves must have access to the following training manuals:

NFPA

NFPA 1002: Standard for Fire Apparatus Driver/Operator Professional Qualifications

NFPA 1451: Standard for a Fire Service Vehicle Operations Training Program

NFPA 1500: Standard on Fire Department Occupational Safety and Health Program

B. Processing fees are set at twenty dollars (\$20.00).

C. Minimum Requirements

1. Applicants must complete one (1) of the following:
 - a. TCFP Driver/Operator curriculum
 - b. All required objectives from the SFFMA Driver/Operator curriculum which includes the following objectives from the SFFMA firefighter curriculum.

SECTION	SUBJECT	LEVEL	OBJECTIVES
7	Apparatus Familiarization	Module 2	7-I.01 – 7-I.04
12	Water Supplies	Module 2	12-I.01, I.04 – I.06
19	Emergency Vehicle Operations	Module 2	19-I.01 – 19-I.03
24	Pump Operations/Hydraulics	Module 2	24-I.01 – 24-I.03
24	Pump Operations/Hydraulics	Module 3	24-I.04 – 24-I.15

D. Curriculum for Driver/Operator

SECTION 1 DRIVING APPLICATIONS

The Certification Board suggests it will take a class of 40 individuals 4 hour to cover the following objective in this section (actual time may vary based on class size).

- DO-01.01** Trainee shall identify the acquired abilities to operate a fire department vehicle while responding to and returning from an emergency.
- DO-01.02** Trainee shall identify administrative rules and regulations governing the performance of the fire vehicle while responding to and returning from emergencies.
- DO-01.03** Trainee shall identify the proper driver's licenses for the operation of fire department vehicles.
- DO-01.04** Trainee shall identify the legal terms:
- A. true emergency
 - B. due regard
 - C. negligence
- DO-01.05** Trainee shall have a thorough knowledge of applicable federal, state and local regulations governing the operation of fire service vehicles:
- A. *NFPA 1002: Standard for Fire Apparatus Driver/Operator Professional Qualifications*
 - B. *NFPA 1500: Standard on Fire Department Occupational Safety and Health Program*
 - C. *NFPA 1451: Standard for a Fire Service Vehicle Operations Training Program*
- DO-01.06** Trainee shall identify the affects that physical forces have on a fire department vehicle:
- A. friction
 - B. velocity
 - C. momentum and inertia
 - D. centrifugal force
- DO-01.07** Trainee shall identify the areas where gross axle weight ratings and gross vehicle weight may be found on a fire department vehicle.

- DO-01.08** Trainee shall identify the types of primary and secondary braking systems on a fire department vehicle:
- A. air
 - B. hydraulic
 - C. antilock braking systems
 - D. automatic transmission retarder
 - E. driveline retarder
- DO-01.09** Trainee shall identify baffling systems and how they affect the physical forces of a fire department vehicle.
- DO-01.10** Trainee shall identify an inspection and maintenance program of a fire department vehicle.
- DO-01.11** Trainee shall identify major components of a fire department vehicle:
- A. chassis
 - B. body
 - C. primary functions/tasks
 - D. auxiliary systems
- DO-01.12** Trainee shall identify pre and post inspections.
- DO-01.13** Trainee shall identify the checklist of a fire department vehicle.
- DO-01.14** Trainee shall identify components of a fire department vehicle checklist:
- A. vehicle overview
 - B. engine compartment
 - C. cab area
 - D. lights and audio devices
 - E. walk-round inspections
 - F. pump panel components
 - G. brake system(s)
- DO-01.15** Trainee shall identify automotive gauges and controls and demonstrate the operation of automotive gauges and proper operation limits.
- DO-01.16** Trainee shall demonstrate the operation of all systems and equipment on a fire department vehicle.
- DO-01.17** Trainee shall identify types of maintenance programs:
- A. routine
 - B. schedule
 - C. crisis
- DO-01.18** Trainee shall identify the recording keeping process of a fire department vehicle.
- DO-01.19** Trainee shall identify safe road operation of a fire department vehicle:
- A. defensive driving skills
 - B. route planning
 - C. driver readiness
 - D. startup procedures
 - E. emergency driving
- DO-01.20** Trainee shall identify and demonstrate:
- A. space management
 - B. speed management
 - C. basic maneuvers
 - D. backing up
 - E. lane changing
 - F. turning
 - G. passing
- DO-01.21** Trainee shall identify operating a fire department vehicle under adverse conditions:
- A. traction implications
 - B. vision implications
 - C. crash avoidance
- DO-01.22** Trainee shall identify placement of fire department vehicles at emergency incidents, on and off roadways.
- DO-01.23** Trainee shall identify hand signals of a spotter while backing a fire department vehicle.

SECTION 2 DRIVING PRACTICES

The Certification Board suggests it will take a class of **40** individuals **4** hour to cover the following objective in this section (actual time may vary based on class size).

- DO-02.01** Trainee shall operate a fire department vehicle incorporating various maneuvers:
- A. four (4) left and four (4) right turns
 - B. a straight section of roadway one (1) mile long or more
 - C. one through intersection and two intersections where a stop has to be made
 - D. one railroad crossing
 - E. one curve
 - F. a section of limited-access highway that includes a conventional ramp entrance and exit and a section of road long enough for two lane changes
 - G. one underpass or low clearance or bridge; as applicable to the local jurisdiction
- DO-02.02** Trainee shall demonstrate vehicle dimension knowledge and turning characteristics while using mirrors for backing.
- DO-02.03** Trainee shall demonstrate backing from a roadway into restricted space, requiring 90-degree right and left hand turns from the roadway, so that the vehicle is parked within the restricted areas without having to stop and pull forward and without striking obstructions.
- DO-02.04** Trainee shall demonstrate maneuvering a vehicle around an obstruction.
- DO-02.05** Trainee shall maneuver a vehicle around obstructions while moving forward and in reverse, so that the vehicle is maneuvered through the obstructions without stopping to change the direction of travel and without striking the obstruction.
- DO-02.06** Trainee shall demonstrate backing a vehicle within a confined space.
- DO-02.07** Trainee shall turn a vehicle 180 degrees within a confined space in an area in which the vehicle cannot perform a U-turn without stopping and backing up, so that the vehicle is turned 180 degrees without striking obstructions within the given space.
- DO-02.08** Trainee shall maneuver a vehicle in areas with restricted horizontal and vertical clearances.