

Florida Bureau of Fire Standards and Training

Pump Operator Content Outline

NFPA 1002

**I. Preventive Maintenance
(NFPA 4.2)..... (20%)**

- A. Perform routine tests, inspections, and servicing functions on the following systems and components **(NFPA 4.2.1)**
 - 1. Battery(ies)
 - 2. Braking system
 - 3. Coolant system
 - 4. Electrical system
 - 5. Fuel
 - 6. Hydraulic Fluids
 - 7. Oil
 - 8. Tires
 - 9. Steering system
 - 10. Belts
 - 11. Tools, appliances, and equipment
- B. Document the routine tests, inspections, and servicing functions **(NFPA 4.2.2)**

II. Driving/Operating (NFPA 4.3) (30%)

- A. Operate a fire apparatus **(NFPA 4.3.1)**
- B. Back a vehicle from a roadway into restricted spaces on both the right and left sides of the vehicle (Alley Dock) **(NFPA 4.3.2)**
- C. Maneuver a vehicle around obstructions on a roadway while moving forward and in reverse (Serpentine) **(NFPA 4.3.3)**
- D. Turn a fire apparatus 180 degrees within a confined space (Confined space turnaround) **(NFPA 4.3.4)**
- E. Maneuver a fire apparatus in areas with restricted horizontal and vertical clearances (Diminishing clearance) **(NFPA 4.3.5)**
- F. Operate a vehicle using defensive driving techniques **(NFPA 4.3.6)**
- G. Operate all fixed systems and equipment on the vehicle not specifically addressed elsewhere in this standard **(NFPA 4.3.7)**

III. Apparatus Equipped with Fire Pump (NFPA 5.1)..... (30%)

- A. Perform the routine tests, inspections, and servicing functions specified in the following list **(NFPA 5.1.1)**
 - 1. Water tank and other extinguishing agent levels (if applicable)
 - 2. Pumping systems
 - 3. Foam systems
- B. Produce effective hand or master streams, given the following sources **(NFPA 5.2.1)**
 - 1. Internal tank
 - 2. Pressurized source
 - 3. Static source
 - 4. Transfer from internal tank to external source
- C. Pump a supply line of 2 ½ in. (65 mm) or larger **(NFPA 5.2.2)**
- D. Produce a foam fire stream **(NFPA 5.2.3)**
- E. Supply water to fire sprinkler and standpipe systems **(NFPA 5.2.4)**

IV. Wildland Fire Apparatus (NFPA 8.1)... (5%)

- A. Perform the following routine tests, inspections, and servicing functions. **(NFPA 8.1.1)**
 - 1. Water tank and/or other extinguishing agent levels (if applicable)
 - 2. Pumping systems
 - 3. Foam systems
- B. Operate a wildland fire apparatus **(NFPA 8.1.2)**
- C. Operations **(NFPA 8.2)**

V. Mobile Water Supply Apparatus (NFPA 10.1)..... (15%)

- A. Perform routine tests, inspections, and servicing functions specified in the following list **(NFPA 10.1.1)**
 - 1. Water tank and other extinguishing agent levels (if applicable)
 - 2. Pumping system (if applicable)
 - 3. Rapid dump system (if applicable)
 - 4. Foam system (if applicable)
- B. Maneuver and position a mobile water supply apparatus at a water shuttle fill site **(NFPA 10.2.1)**
- C. Maneuver and position a mobile water supply apparatus at a water shuttle dump site **(NFPA 10.2.2)**
- D. Establish a water shuttle dump site **(NFPA 10.2.3)**