Apparatus Driver/Operator Evaluation Form **Squad: _____**

Name: _____ ID#: _____

Section I: Apparatus Knowledge

The Evaluator shall ask the Apparatus Driver/Operator questions regarding the mechanical systems and size of the apparatus.

1. The Apparatus Driver/Operator demonstrates thorough knowledge of the size of the apparatus

- ☐ Lists the height and width of the apparatus.
- ☐ Lists the weight of the apparatus.

- ☐ The Apparatus Driver/Operator demonstrates thorough knowledge of the mechanical systems of the apparatus.

- ☐ States the apparatus engine type.
- ☐ States what type of fuel the apparatus uses.

- ☐ The Apparatus Driver/Operator demonstrates thorough knowledge of the generator capacities of the apparatus.

- ☐ States the generator capacity.
- ☐ States the light tower's operating capacity: height and rotation.

Section II:Apparatus Inspection

The Apparatus Operator/Engineer will perform a complete apparatus inspection utilizing an apparatus inspection checklist. During the inspection, the Apparatus Operator/Engineer will demonstrate the ability to operate all equipment located on the apparatus.

1. The Apparatus Operator/Engineer demonstrates the ability to check and evaluate the mechanical systems of the apparatus.

- ☐ a. The Apparatus Operator/Engineer demonstrates how to perform a walk-around inspection.
- ☐ b. The Apparatus Operator/Engineer demonstrates how to check tire air pressure.
- ☐ c. The Apparatus Operator/Engineer demonstrates how to check the oil level.
- ☐ d. The Apparatus Operator/Engineer demonstrates how to check the coolant/anti-freeze level.
- ☐ e. The Apparatus Operator/Engineer demonstrates how to check the transmission fluid level.
- ☐ f. The Apparatus Operator/Engineer demonstrates how to check power steering fluid level.
- ☐ g. The Apparatus Operator/Engineer demonstrates how to check the fluid level in the batteries.
- ☐ h. The Apparatus Operator/Engineer demonstrates how to check hoses and belts for excessive wear or defects.

2. The Apparatus Operator/Engineer is able to demonstrate the location and operation of equipment carried in apparatus compartments.

Apparatus Driver/Operator Evaluation Form **Squad: _____**

Name: _____ ID#: _____

1. a. The Apparatus Operator/Engineer will demonstrate the use of the following equipment:
   - ☐ Five-gas meter
   - ☐ Come-a-long
   - ☐ Light Tower
   - ☐ K-700 Partner Saw

3. The Apparatus Operator/Engineer demonstrates location and operation of all cab controls and instruments.

- ☐ a. The Apparatus Operator/Engineer demonstrates the location and use of the battery switch.
- ☐ b. The Apparatus Operator/Engineer demonstrates the location , function and normal readings of the following gauges: Speedometer, Tachometer, Air Pressure, Fuel Level, Oil Pressure, Water Temp., Transmission Gauge, Ammeter
- ☐ c. The Apparatus Operator/Engineer demonstrates the location and use of the cab light controls.
- ☐ d. The Apparatus Operator/Engineer demonstrates the location and the use of the windshield washer controls.
- ☐ e. The Apparatus Operator/Engineer demonstrates the location and the use of the heater/defroster controls.
- ☐ f. The Apparatus Operator/Engineer demonstrates the location and use of the engine exhaust brake
- ☐ g. The Apparatus Operator/Engineer demonstrates the location and the use of the auto eject receptacle.
- ☐ h. The Apparatus Operator/Engineer demonstrates the location and the use of the horn to mechanical siren switch.

4. The Apparatus Operator/Engineer demonstrates location and operation of the communications equipment.

- ☐ a. The Apparatus Operator/Engineer demonstrates the location and the use of the mobile radio.
- ☐ b. The Apparatus Operator/Engineer demonstrates the location and the use of the portable radio.
- ☐ c. The Apparatus Operator/Engineer distinguishes the difference between channel 1 and channel 2 and is able to tell the Evaluator when it is appropriate to use channel 1 and when it is appropriate to use channel 2.
- ☐ d. The Apparatus Operator/Engineer demonstrates the location and the use of the Telex intercom system.
- ☐ e. The Apparatus Operator/Engineer demonstrates the location and the use of the mobile repeater.

5. The Apparatus Operator/Engineer demonstrates location and operation of all emergency warning equipment.

- ☐ a. The Apparatus Operator/Engineer demonstrates the location and the use of the air horn.
- ☐ b. The Apparatus Operator/Engineer demonstrates the location and the use of the electronic and mechanical siren.
- ☐ c. The Apparatus Operator/Engineer demonstrates the location and the use of the warning light equipment.
- ☐ d. The Apparatus Operator/Engineer demonstrates the location and use of the mounted scene lights.

Apparatus Driver/Operator Evaluation Form **Squad: _____**

Name: _____ ID#: _____

6. The Apparatus Operator/Engineer demonstrates proper procedures to start the apparatus and pull it out of the apparatus bay onto the station driveway.

- ☐ a. The Apparatus Operator/Engineer demonstrates the visual check of the apparatus for open doors and loose equipment.
- ☐ b. The Apparatus Operator/Engineer demonstrates the safety evaluation of fire district personnel or visitors in the apparatus bay.
- ☐ c. The Apparatus Operator/Engineer demonstrates the safety evaluation of fire district personnel riding on the apparatus.
- ☐ d. The Apparatus Operator/Engineer demonstrates the proper engine start-up procedure.
- ☐ e. The Apparatus Operator/Engineer evaluates the status of the apparatus bay door.
- ☐ f. The Apparatus Operator/Engineer evaluates activity occurring outside the apparatus bay on and around the station driveway area.

7. The Apparatus Operator/Engineer has a complete understanding of Generator System:

- ☐ a. Demonstrate the proper method for placing in operation the following items:
  - ☐ i. The Will-Burt Light Tower.
  - ☐ ii. The rear tri-pod 110 volt lights.
  - ☐ iii. The electric sawzall using the Electrical reel and junction box.
  - ☐ iv. Portable lighting using the exterior outlets.
- ☐ b. Explain or Demonstrate the use of the electric meters and breakers in the electrical panel.
  - ☐ i. Isolate the circuit for the electric Hurst motor.
  - ☐ ii. State what the correct voltage shall be on the FMC voltmeter.

8. The Apparatus Operator/Engineer demonstrates the operation of the Air System by:

- ☐ a. Placing the air struts into operation using the low pressure air reel.
- ☐ b. Placing the air bags into operation using the high pressure air reel.
- ☐ c. Demonstrate filling an air cylinder using the cascade system.
- ☐ d. Demonstrate what air bank should be used for in-line air.
- ☐ e. Demonstrate the method of filling the cascade from Air 6 and Station 5.

9. The Apparatus Operator/Engineer demonstrates the operation of the Hurst Hydraulic System by:

- ☐ a. Placing the pre-connected Maverick tool (combination tool) into operation.
- ☐ b. Placing the small ram into operation using the same reel as the Maverick tool.

    - ☐ i. Uses eye protection and gloves.
    - ☐ ii. Successfully demonstrates the use of the dump valve on the electric power unit.
    - ☐ iii. Protects the couplings during transfer.

10. The Apparatus Operator/Engineer is able to demonstrate checking the fluid levels in the gas and electric Hurst Power uints.

- ☐ a. Gasoline Power Unit
- ☐ b. Electric Power Unit

11. The Apparatus Operator/Engineer is able to demonstrate placing the following equipment in operation using a SCBA cylinder.

- ☐ a. Paratech Pac 90
- ☐ b. Paratech Air Bags

Section III: Equipment Recall

After the apparatus inspection is complete, the Evaluator will ask the Apparatus Operator/Engineer to immediately find ten items stored on the apparatus.

1. The Apparatus Operator/Engineer is able to locate ten pieces of equipment (Evaluator's choice) carried on the apparatus.

    - ☐ a. The Apparatus Operator/Engineer will recall from memory the location of equipment located on the apparatus when asked by the Evaluator.

Section IV: Emergency Driving (Comprehension)

The Evaluator shall ask the Apparatus Operator/Engineer questions relating to emergency driving philosophy, policy and technique.

1. The Apparatus Operator/Engineer understands state statutes and Fire District rules relating to emergency vehicles and emergency response.

- ☐ a. The Apparatus Operator/Engineer is able to define the term "emergency vehicle."
- ☐ b. The Apparatus Operator/Engineer is able to state what warning equipment is necessary to operate as an emergency vehicle.
- ☐ c. The Apparatus Operator/Engineer is able to state when a driver of an emergency vehicle may sound his/her siren and display emergency lights.
- ☐ d. The Apparatus Operator/Engineer is able to state what the driver of a motor vehicle should do upon the approach of an emergency vehicle when it is sounding its siren and displaying emergency lights.
- ☐ e. The Apparatus Operator/Engineer is able to state the maximum speed the emergency vehicle may operate at when driving in urban areas (municipalities and subdivisions) when it is utilizing warning equipment and responding to an emergency assignment.
- ☐ f. The Apparatus Operator/Engineer is able to list those environmental conditions that may affect driving surfaces and vehicle handling.
- ☐ g. The Apparatus Operator/Engineer is able to state the maximum speed the emergency vehicle may operate at when driving on various road types when it is utilizing warning equipment and responding to an emergency assignment.
- ☐ h. The Apparatus Operator/Engineer is able to state the minimum following distance between vehicles.
- ☐ i. The Apparatus Operator/Engineer is able to state what actions should be taken when approaching and subsequently crossing an intersection against a red light or stop sign when it is utilizing warning equipment and responding to an emergency assignment.
- ☐ j. The Apparatus Operator/Engineer is able to state what actions should be taken when approaching and subsequently crossing an intersection with a green light or without a stop sign when it is utilizing warning equipment and responding to an emergency assignment.
- ☐ k. The Apparatus Operator/Engineer is able to state what actions should be taken when approaching and subsequently crossing an intersection using the oncoming lane of traffic when it is utilizing warning equipment and responding to an emergency assignment.
- ☐ l. The Apparatus Operator/Engineer is able to state what actions should be taken when approaching and subsequently passing a school bus or mass transit bus that is loading or unloading passengers.
- ☐ m. The Apparatus Operator/Engineer is able to state what actions should be taken when approaching a railroad crossing when railroad track warning equipment does not exist and when railroad track warning equipment does exist.

Section V: Routine Driving

The Evaluator shall evaluate the Apparatus Operator/Engineer on routine driving maneuvers.

1. The Apparatus Operator/Engineer demonstrates proper apparatus start-up procedure.

Apparatus Driver/Operator Evaluation Form **Squad: _____**

Name: _____ ID#: _____

- ☐ a. The Apparatus Operator/Engineer demonstrates the proper engine start-up procedure.
- ☐ b. The Apparatus Operator/Engineer demonstrates the use of seat belts.
- ☐ c. The Apparatus Operator/Engineer demonstrates the safety evaluation of personnel riding on the apparatus.

2. The Apparatus Operator/Engineer demonstrates proper driving technique.

- ☐ a. The Apparatus Operator/Engineer demonstrates the use of two-handed steering.
- ☐ b. The Apparatus Operator/Engineer demonstrates the use of mirrors.

3. The Apparatus Operator/Engineer demonstrates proper braking technique.

- ☐ a. The Apparatus Operator/Engineer demonstrates constant pressure braking technique with air brakes or intermittent pressure braking technique with hydraulic brakes.
- ☐ b. The Apparatus Operator/Engineer demonstrates the proper use of downshifting to assist braking.
- ☐ c. The Apparatus Operator/Engineer demonstrates the proper use and restrictions of the engine retarder.

4. The Apparatus Operator/Engineer demonstrates proper driving techniques on a evaluator determinded road course:

5. The Apparatus Operator/Engineer demonstrates proper and effective backing techniques as a part of routine driving maneuvers.

- ☐ a. The Apparatus Operator/Engineer demonstrates correct backing technique when a spotter is present.
- ☐ b. The Apparatus Operator/Engineer demonstrates correct backing technique when a spotter is not present.

6. The Apparatus Operator/Engineer demonstrates proper wheel chocking technique.

- ☐ a. The Apparatus Operator/Engineer uses two wheel chocks to secure apparatus.

7. The Apparatus Operator/Engineer demonstrates proper and effective backing techniques when backing into the station.

- ☐ a. The Apparatus Operator/Engineer demonstrates correct backing technique when a spotter is present.
- ☐ b. The Apparatus Operator/Engineer demonstrates correct backing technique when a spotter is not present.

8. The Apparatus Operator/Engineer identifies the ground clearance issues with the apparatus.

Evaluator ID#_____ **Revision: December 1, 2006**

- ☐ a. The height limits of the under body compartments.
- ☐ b. The angle of approach and departure.

Section VI: Operations

The Driver/Operator shall demonstrate basic operation task performed in rescue related incidents.

1. Using a drawing board, the Driver/Operator demonstrates the techniques of the following extrication maneuvers.
   - door removal
   - roof removal
   - dash roll
   - roof flap
   - post cutting locations
2. The Driver/Operator demonstrates the preparation and operation of the air chisel.
3. The Driver/Operator demonstrates the construction of essential rope rescue systems.
   - Low angle rescue system
   - 3:1 or "Z-Rig" system

Section VI: Evaluation

Evaluator's Comments:

☐ Approved ☐ Disapproved

_____

Evaluator's Name (Print) *Evaluator's Signature* *Date*

Section VII: Administrative Review

Ranking Station Officer Comments:

Ranking Station Officer Evaluation: ☐ Approved ☐ Disapproved

_____

Station Officer Name (Print) *Station Officer Signature* *Date*

Bureau Chief of Operations Comments:

Apparatus Driver/Operator Evaluation Form **Squad: _____**

Name: _____ ID#: _____

Bureau Chief of Operations Evaluation: ☐ Approved ☐ Disapproved

Bureau Chief's Signature *Date*

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