**HAZARDOUS MATERIALS (HM) ENTRY-LEVEL DRIVER TRAINING (ELDT) MODULE**

* **BASIC INTRODUCTORY HM REQUIREMENTS**

The trainee will learn the basic hazardous materials (HM) entry-level driver training (ELDT) competencies including applicability requirements and when HM is in transportation, and will be further trained in the HM communication requirements including: shipping paper requirements; marking; labeling; placarding; emergency response information; and shipper’s responsibilities. The Pipeline and Hazardous Materials Safety Administration (PHMSA) provides general awareness training covering these areas on the agency website at: http://www.phmsa.dot.gov/staticfiles/PHMSA/Hazmat/digipak/.

* **OPERATIONAL HM REQUIREMENTS**

The trainee will learn the basic competencies for when HM are in transportation (i.e., vehicle operation).

Reporting HM Accidents and Releases

The trainee will learn the proper procedures and contacts for the immediate notice of certain HM incidents, including instruction in the proper completion and submission of HM Incident Reports.

Tunnels and Railroad (RR) Crossing Requirements

The trainee will learn the proper operation of an HM vehicle, at RR grade crossings and in vehicular tunnels.

Loading and Unloading HM

The trainee will learn the proper loading and unloading procedures for cargo tanks and portable tanks with a capacity of 1,000 gallons or more. The trainee will also be trained in the requirements for proper segregation and securement of HM, and the prohibition on transporting certain solid and liquid poisons with foodstuffs.

HM on Passenger Vehicles

The trainee will learn the various requirements for vehicles transporting passengers and property, and the types and quantities of HM that can and cannot be transported in these vehicles/situations.

Cargo Tanks

The trainee will learn the specialized requirements for transportation of cargo tanks, intermediate bulk containers, bulk cylinders and portable tanks. The unit will include training in the operation of emergency control features; special vehicle handling characteristics, rollover prevention, and the properties and hazards of the HMs transported.

Regarding rollover prevention training, the trainee will learn methods to reduce cargo tank rollovers including, but not limited to, vehicle design and performance, load effects, highway factors and driver factors. A training aid for commercial drivers of cargo tank motor vehicles transporting HM created jointly by the Federal Motor Carrier Safety Administration (FMCSA), PHMSA and industry partners is available at the following website: http://www.fmcsa.dot.gov/rolloverprevention and meets this section’s requirements.

Operating Emergency Equipment

The trainee will learn the applicable requirements of 49 CFR Parts 390-397, Federal Motor Carrier Safety Regulations, and the procedures necessary for the safe operation of the motor vehicle. This would include training in: special precautions for fires, loading and unloading, and operation of cargo tank motor vehicle equipment shut-off/shut-down equipment.

Emergency Response Procedures

The trainee will learn the proper procedures and best practices for handling an emergency response and post-response operations. This will include training in the event of an unintended release of an HM or substance. All training, preparation, and response efforts must focus on the materials that have been released; their hazards; and the protection of people, property, and the environment.

Engine (Fueling)

The trainee will learn the procedures for when a vehicle which contains HM is being fueled.

Tire Check

The trainee will learn the proper procedures for checking the vehicle tires at the start of a trip, and when the vehicle is parked.

Routes and Route Planning

The trainee will learn the proper routing requirements and procedures that they are required to follow for the transportation of radioactive and non-radioactive HM.

Hazardous Materials Safety Permits (HMSP)

The trainee will be instructed in the proper procedures and operational requirements including communications, constant attendance, and parking that apply to the transportation of an HM for which a Hazardous Materials Safety Permit (HMSP) is required.