

**§ 383.93 Endorsements.**

(a) *General.* In addition to taking and passing the knowledge and skills tests described in subpart G of this part, all persons who operate or expect to operate the type(s) of motor vehicles described in paragraph (b) of this section shall take and pass specialized tests to obtain each endorsement. The State shall issue CDL endorsements only to drivers who successfully complete the tests.

(b) *Endorsement descriptions.* An operator must obtain State-issued endorsements to his/her CDL to operate commercial motor vehicles which are:

- (1) Double/triple trailers;
- (2) Passenger vehicles;
- (3) Tank vehicles; or
- (4) Required to be placarded for hazardous materials.

(c) *Endorsement testing requirements.* The following tests are required for the endorsements contained in paragraph (b) of this section:

- (1) *Double/Triple Trailers*—a knowledge test;
- (2) *Passenger*—a knowledge and a skills test;
- (3) *Tank vehicle*—a knowledge test; and
- (4) *Hazardous Materials*—a knowledge test.

**§ 383.95 Air brake restrictions.**

(a) If an applicant either fails the air brake component of the knowledge test, or performs the skills test in a vehicle not equipped with air brakes, the State shall indicate on the CDL, if issued, that the person is restricted from operating a CMV equipped with air brakes.

(b) For the purposes of the skills test and the restriction, air brakes shall include any braking system operating fully or partially on the air brake principle.

**Subpart G—Required Knowledge and Skills**

SOURCE: 53 FR 27654, July 21, 1988, unless otherwise noted.

**§ 383.110 General requirement.**

All drivers of commercial motor vehicles shall have knowledge and skills

necessary to operate a commercial motor vehicle safely as contained in this subpart. A sample of the specific types of items which a State may wish to include in the knowledge and skills tests that it administers to CDL applicants is included in the appendix to this subpart G.

**§ 383.111 Required knowledge.**

All commercial motor vehicle operators must have knowledge of the following general areas:

(a) *Safe operations regulations.* Driver-related elements of the regulations contained in 49 CFR parts 382, 391, 392, 393, 395, 396, and 397, such as: Motor vehicle inspection, repair, and maintenance requirements; procedures for safe vehicle operations; the effects of fatigue, poor vision, hearing, and general health upon safe commercial motor vehicle operation; the types of motor vehicles and cargoes subject to the requirements; and the effects of alcohol and drug use upon safe commercial motor vehicle operations.

(b) *Commercial motor vehicle safety control systems.* Proper use of the motor vehicle's safety system, including lights, horns, side and rear-view mirrors, proper mirror adjustments, fire extinguishers, symptoms of improper operation revealed through instruments, motor vehicle operation characteristics, and diagnosing malfunctions. Commercial motor vehicle drivers shall have knowledge on the correct procedures needed to use these safety systems in an emergency situation, e.g., skids and loss of brakes.

(c) *Safe vehicle control*—(1) *Control systems* The purpose and function of the controls and instruments commonly found on commercial motor vehicles.

(2) *Basic control.* The proper procedures for performing various basic maneuvers.

(3) *Shifting.* The basic shifting rules and terms, as well as shift patterns and procedures for common transmissions.

(4) *Backing.* The procedures and rules for various backing maneuvers.

(5) *Visual search.* The importance of proper visual search, and proper visual search methods.

(6) *Communication.* The principles and procedures for proper communications