

should not be sprung to return to a lifted position.

(c) A grab bar at least 24 inches (610 mm) long should be mounted behind the water closet, and a horizontal grab bar at least 40 inches (1015 mm) long should be mounted on at least one side wall, with one end not more than 12 inches (305 mm) from the back wall, at a height between 33 inches (840 mm) and 36 inches (915 mm) above the floor.

(d) Faucets and flush controls should be operable with one hand and should not require tight grasping, pinching, or twisting of the wrist. The force required to activate controls should be no greater than 5 lbs (22.2 N). Controls for flush valves should be mounted no more than 44 inches (1120 mm) above the floor.

(e) Doorways on the end of the enclosure, opposite the water closet, should have a minimum clear opening width of 32 inches (815 mm). Door latches and hardware should be operable with one hand and should not require tight grasping, pinching, or twisting of the wrist.

(2) Accessible restrooms should be in close proximity to at least one seating location for persons using mobility aids and should be connected to such a space by an unobstructed path having a minimum width of 32 inches (815 mm).

C. *Visibility Through a Window.* Care should be taken so that the lift does not obscure the vision of the person occupying the securement position.

[56 FR 45756, Sept. 6, 1991, as amended at 63 FR 51702, 51703, Sept. 28, 1998]

PART 40—PROCEDURES FOR TRANSPORTATION WORKPLACE DRUG AND ALCOHOL TESTING PROGRAMS

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SOURCE: 65 FR 79526, Dec. 19, 2000, unless otherwise noted.

Subpart A—Administrative Provisions

§ 40.1 Who does this regulation cover?

(a) This part tells all parties who conduct drug and alcohol tests required by Department of Transportation (DOT) agency regulations how to conduct these tests and what procedures to use.

(b) This part concerns the activities of transportation employers, safety-sensitive transportation employees (including self-employed individuals, contractors and volunteers as covered by DOT agency regulations), and service agents.

(c) Nothing in this part is intended to supersede or conflict with the implementation of the Federal Railroad Administration's post-accident testing program (see 49 CFR 219.200).

§ 40.3 What do the terms used in this regulation mean?

In this part, the terms listed in this section have the following meanings:

Adulterated specimen. A specimen that contains a substance that is not expected to be present in human urine, or contains a substance expected to be present but is at a concentration so high that it is not consistent with human urine.

Affiliate. Persons are affiliates of one another if, directly or indirectly, one controls or has the power to control the other, or a third party controls or

has the power to control both. Indicators of control include, but are not limited to: interlocking management or ownership; shared interest among family members; shared facilities or equipment; or common use of employees. Following the issuance of a public interest exclusion, an organization having the same or similar management, ownership, or principal employees as the service agent concerning whom a public interest exclusion is in effect is regarded as an affiliate. This definition is used in connection with the public interest exclusion procedures of Subpart R of this part.

Air blank. In evidential breath testing devices (EBTs) using gas chromatography technology, a reading of the device's internal standard. In all other EBTs, a reading of ambient air containing no alcohol.

Alcohol. The intoxicating agent in beverage alcohol, ethyl alcohol or other low molecular weight alcohols, including methyl or isopropyl alcohol.

Alcohol concentration. The alcohol in a volume of breath expressed in terms of grams of alcohol per 210 liters of breath as indicated by a breath test under this part.

Alcohol confirmation test. A subsequent test using an EBT, following a screening test with a result of 0.02 or greater, that provides quantitative data about the alcohol concentration.

Alcohol screening device (ASD). A breath or saliva device, other than an EBT, that is approved by the National Highway Traffic Safety Administration (NHTSA) and placed on a conforming products list (CPL) for such devices.

Alcohol screening test. An analytic procedure to determine whether an employee may have a prohibited concentration of alcohol in a breath or saliva specimen.

Alcohol testing site. A place selected by the employer where employees present themselves for the purpose of providing breath or saliva for an alcohol test.

Alcohol use. The drinking or swallowing of any beverage, liquid mixture or preparation (including any medication), containing alcohol.

Blind specimen or blind performance test specimen. A specimen submitted to a laboratory for quality control testing

purposes, with a fictitious identifier, so that the laboratory cannot distinguish it from an employee specimen.

Breath Alcohol Technician (BAT). A person who instructs and assists employees in the alcohol testing process and operates an evidential breath testing device.

Cancelled test. A drug or alcohol test that has a problem identified that cannot be or has not been corrected, or which this part otherwise requires to be cancelled. A cancelled test is neither a positive nor a negative test.

Chain of custody. The procedure used to document the handling of the urine specimen from the time the employee gives the specimen to the collector until the specimen is destroyed. This procedure uses the Federal Drug Testing Custody and Control Form (CCF).

Collection container. A container into which the employee urinates to provide the specimen for a drug test.

Collection site. A place selected by the employer where employees present themselves for the purpose of providing a urine specimen for a drug test.

Collector. A person who instructs and assists employees at a collection site, who receives and makes an initial inspection of the specimen provided by those employees, and who initiates and completes the CCF.

Confirmation (or confirmatory) drug test. A second analytical procedure performed on a urine specimen to identify and quantify the presence of a specific drug or drug metabolite.

Confirmation (or confirmatory) validity test. A second test performed on a urine specimen to further support a validity test result.

Confirmed drug test. A confirmation test result received by an MRO from a laboratory.

Consortium/Third-party administrator (C/TPA). A service agent that provides or coordinates the provision of a variety of drug and alcohol testing services to employers. C/TPAs typically perform administrative tasks concerning the operation of the employers' drug and alcohol testing programs. This term includes, but is not limited to, groups of employers who join together to administer, as a single entity, the DOT drug and alcohol testing programs

of its members. C/TPAs are not "employers" for purposes of this part.

Continuing education. Training for medical review officers (MROs) and substance abuse professionals (SAPs) who have completed qualification training and are performing MRO or SAP functions, designed to keep MROs and SAPs current on changes and developments in the DOT drug and alcohol testing program.

Designated employer representative (DER). An employee authorized by the employer to take immediate action(s) to remove employees from safety-sensitive duties, or cause employees to be removed from these covered duties, and to make required decisions in the testing and evaluation processes. The DER also receives test results and other communications for the employer, consistent with the requirements of this part. Service agents cannot act as DERs.

Dilute specimen. A specimen with creatinine and specific gravity values that are lower than expected for human urine.

DOT, The Department, DOT agency. These terms encompass all DOT agencies, including, but not limited to, the United States Coast Guard (USCG), the Federal Aviation Administration (FAA), the Federal Railroad Administration (FRA), the Federal Motor Carrier Safety Administration (FMCSA), the Federal Transit Administration (FTA), the National Highway Traffic Safety Administration (NHTSA), the Research and Special Programs Administration (RSPA), and the Office of the Secretary (OST). These terms include any designee of a DOT agency.

Drugs. The drugs for which tests are required under this part and DOT agency regulations are marijuana, cocaine, amphetamines, phencyclidine (PCP), and opiates.

Employee. Any person who is designated in a DOT agency regulation as subject to drug testing and/or alcohol testing. The term includes individuals currently performing safety-sensitive functions designated in DOT agency regulations and applicants for employment subject to pre-employment testing. For purposes of drug testing under this part, the term employee has the same meaning as the term "donor" as

found on CCF and related guidance materials produced by the Department of Health and Human Services.

Employer. A person or entity employing one or more employees (including an individual who is self-employed) subject to DOT agency regulations requiring compliance with this part. The term includes an employer's officers, representatives, and management personnel. Service agents are not employers for the purposes of this part.

Error Correction Training. Training provided to BATs, collectors, and screening test technicians (STTs) following an error that resulted in the cancellation of a drug or alcohol test. Error correction training must be provided in person or by a means that provides real-time observation and interaction between the instructor and trainee.

Evidential Breath Testing Device (EBT). A device approved by NHTSA for the evidential testing of breath at the .02 and .04 alcohol concentrations, placed on NHTSA's Conforming Products List (CPL) for "Evidential Breath Measurement Devices" and identified on the CPL as conforming with the model specifications available from NHTSA's Traffic Safety Program.

HHS. The Department of Health and Human Services or any designee of the Secretary, Department of Health and Human Services.

Initial drug test. The test used to differentiate a negative specimen from one that requires further testing for drugs or drug metabolites.

Initial validity test. The first test used to determine if a specimen is adulterated, diluted, or substituted.

Invalid drug test. The result of a drug test for a urine specimen that contains an unidentified adulterant or an unidentified interfering substance, has abnormal physical characteristics, or has an endogenous substance at an abnormal concentration that prevents the laboratory from completing or obtaining a valid drug test result.

Laboratory. Any U.S. laboratory certified by HHS under the National Laboratory Certification Program as meeting the minimum standards of Subpart C of the HHS Mandatory Guidelines for Federal Workplace Drug Testing Programs; or, in the case of foreign labora-

tories, a laboratory approved for participation by DOT under this part. (The HHS Mandatory Guidelines for Federal Workplace Drug Testing Programs are available on the internet at <http://www.health.org/workpl.htm> or from the Division of Workplace Programs, 5600 Fishers Lane, Rockwall II Building, Suite 815, Rockville, MD 20857.)

Medical Review Officer (MRO). A person who is a licensed physician and who is responsible for receiving and reviewing laboratory results generated by an employer's drug testing program and evaluating medical explanations for certain drug test results.

Office of Drug and Alcohol Policy and Compliance (ODAPC). The office in the Office of the Secretary, DOT, that is responsible for coordinating drug and alcohol testing program matters within the Department and providing information concerning the implementation of this part.

Primary specimen. In drug testing, the urine specimen bottle that is opened and tested by a first laboratory to determine whether the employee has a drug or drug metabolite in his or her system; and for the purpose of validity testing. The primary specimen is distinguished from the split specimen, defined in this section.

Qualification Training. The training required in order for a collector, BAT, MRO, SAP, or STT to be qualified to perform their functions in the DOT drug and alcohol testing program. Qualification training may be provided by any appropriate means (e.g., classroom instruction, internet application, CD-ROM, video).

Refresher Training. The training required periodically for qualified collectors, BATs, and STTs to review basic requirements and provide instruction concerning changes in technology (e.g., new testing methods that may be authorized) and amendments, interpretations, guidance, and issues concerning this part and DOT agency drug and alcohol testing regulations. Refresher training can be provided by any appropriate means (e.g., classroom instruction, internet application, CD-ROM, video).

Screening Test Technician (STT). A person who instructs and assists employees in the alcohol testing process and operates an ASD.

Secretary. The Secretary of Transportation or the Secretary’s designee.

Service agent. Any person or entity, other than an employee of the employer, who provides services specified under this part to employers and/or employees in connection with DOT drug and alcohol testing requirements. This includes, but is not limited to, collectors, BATs and STTs, laboratories, MROs, substance abuse professionals, and C/TPAs. To act as service agents, persons and organizations must meet the qualifications set forth in applicable sections of this part. Service agents are not employers for purposes of this part.

Shipping container. A container that is used for transporting and protecting urine specimen bottles and associated documents from the collection site to the laboratory.

Specimen bottle. The bottle that, after being sealed and labeled according to the procedures in this part, is used to hold the urine specimen during transportation to the laboratory.

Split specimen. In drug testing, a part of the urine specimen that is sent to a first laboratory and retained unopened, and which is transported to a second laboratory in the event that the employee requests that it be tested following a verified positive test of the primary specimen or a verified adulterated or substituted test result.

Stand-down. The practice of temporarily removing an employee from the performance of safety-sensitive functions based only on a report from a laboratory to the MRO of a confirmed positive test for a drug or drug metabolite, an adulterated test, or a substituted test, before the MRO has completed verification of the test result.

Substance Abuse Professional (SAP). A person who evaluates employees who have violated a DOT drug and alcohol regulation and makes recommendations concerning education, treatment, follow-up testing, and aftercare.

Substituted specimen. A specimen with creatinine and specific gravity values that are so diminished that they are not consistent with human urine.

Verified test. A drug test result or validity testing result from an HHS-certified laboratory that has undergone review and final determination by the MRO.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41950, Aug. 9, 2001]

§ 40.5 Who issues authoritative interpretations of this regulation?

ODAPC and the DOT Office of General Counsel (OGC) provide written interpretations of the provisions of this part. These written DOT interpretations are the only official and authoritative interpretations concerning the provisions of this part. DOT agencies may incorporate ODAPC/OGC interpretations in written guidance they issue concerning drug and alcohol testing matters. Only Part 40 interpretations issued after August 1, 2001, are considered valid.

§ 40.7 How can you get an exemption from a requirement in this regulation?

(a) If you want an exemption from any provision of this part, you must request it in writing from the Office of the Secretary of Transportation, under the provisions and standards of 49 CFR part 5. You must send requests for an exemption to the following address: Department of Transportation, Deputy Assistant General Counsel for Regulation and Enforcement, 400 7th Street, SW., Room 10424, Washington, DC 20590.

(b) Under the standards of 49 CFR part 5, we will grant the request only if the request documents special or exceptional circumstances, not likely to be generally applicable and not contemplated in connection with the rule-making that established this part, that make your compliance with a specific provision of this part impracticable.

(c) If we grant you an exemption, you must agree to take steps we specify to comply with the intent of the provision from which an exemption is granted.

(d) We will issue written responses to all exemption requests.

Subpart B—Employer Responsibilities

§ 40.11 What are the general responsibilities of employers under this regulation?

(a) As an employer, you are responsible for meeting all applicable requirements and procedures of this part.

(b) You are responsible for all actions of your officials, representatives, and agents (including service agents) in carrying out the requirements of the DOT agency regulations.

(c) All agreements and arrangements, written or unwritten, between and among employers and service agents concerning the implementation of DOT drug and alcohol testing requirements are deemed, as a matter of law, to require compliance with all applicable provisions of this part and DOT agency drug and alcohol testing regulations. Compliance with these provisions is a material term of all such agreements and arrangements.

§ 40.13 How do DOT drug and alcohol tests relate to non-DOT tests?

(a) DOT tests must be completely separate from non-DOT tests in all respects.

(b) DOT tests must take priority and must be conducted and completed before a non-DOT test is begun. For example, you must discard any excess urine left over from a DOT test and collect a separate void for the subsequent non-DOT test.

(c) Except as provided in paragraph (d) of this section, you must not perform any tests on DOT urine or breath specimens other than those specifically authorized by this part or DOT agency regulations. For example, you may not test a DOT urine specimen for additional drugs, and a laboratory is prohibited from making a DOT urine specimen available for a DNA test or other types of specimen identity testing.

(d) The single exception to paragraph (c) of this section is when a DOT drug test collection is conducted as part of a physical examination required by DOT agency regulations. It is permissible to conduct required medical tests related to this physical examination (*e.g.*, for glucose) on any urine remaining in the collection container after the drug test

urine specimens have been sealed into the specimen bottles.

(e) No one is permitted to change or disregard the results of DOT tests based on the results of non-DOT tests. For example, as an employer you must not disregard a verified positive DOT drug test result because the employee presents a negative test result from a blood or urine specimen collected by the employee's physician or a DNA test result purporting to question the identity of the DOT specimen.

(f) As an employer, you must not use the CCF or the ATF in your non-DOT drug and alcohol testing programs. This prohibition includes the use of the DOT forms with references to DOT programs and agencies crossed out. You also must always use the CCF and ATF for all your DOT-mandated drug and alcohol tests.

§ 40.15 May an employer use a service agent to meet DOT drug and alcohol testing requirements?

(a) As an employer, you may use a service agent to perform the tasks needed to comply with this part and DOT agency drug and alcohol testing regulations, consistent with the requirements of Subpart Q and other applicable provisions of this part.

(b) As an employer, you are responsible for ensuring that the service agents you use meet the qualifications set forth in this part (*e.g.*, § 40.121 for MROs). You may require service agents to show you documentation that they meet the requirements of this part (*e.g.*, documentation of MRO qualifications required by § 40.121(e)).

(c) You remain responsible for compliance with all applicable requirements of this part and other DOT drug and alcohol testing regulations, even when you use a service agent. If you violate this part or other DOT drug and alcohol testing regulations because a service agent has not provided services as our rules require, a DOT agency can subject you to sanctions. Your good faith use of a service agent is not a defense in an enforcement action initiated by a DOT agency in which your alleged noncompliance with this part or a DOT agency drug and alcohol regulation may have resulted from the service agent's conduct.

(d) As an employer, you must not permit a service agent to act as your DER.

§ 40.17 Is an employer responsible for obtaining information from its service agents?

Yes, as an employer, you are responsible for obtaining information required by this part from your service agents. This is true whether or not you choose to use a C/TPA as an intermediary in transmitting information to you. For example, suppose an applicant for a safety-sensitive job takes a pre-employment drug test, but there is a significant delay in your receipt of the test result from an MRO or C/TPA. You must not assume that “no news is good news” and permit the applicant to perform safety-sensitive duties before receiving the result. This is a violation of the Department’s regulations.

§ 40.19 [Reserved]

§ 40.21 May an employer stand down an employee before the MRO has completed the verification process?

(a) As an employer, you are prohibited from standing employees down, except consistent with a waiver a DOT agency grants under this section.

(b) You may make a request to the concerned DOT agency for a waiver from the prohibition of paragraph (a) of this section. Such a waiver, if granted, permits you to stand an employee down following the MRO’s receipt of a laboratory report of a confirmed positive test for a drug or drug metabolite, an adulterated test, or a substituted test pertaining to the employee.

(1) For this purpose, the concerned DOT agency is the one whose drug and alcohol testing rules apply to the majority of the covered employees in your organization. The concerned DOT agency uses its applicable procedures for considering requests for waivers.

(2) Before taking action on a waiver request, the concerned DOT agency coordinates with other DOT agencies that regulate the employer’s other covered employees.

(3) The concerned DOT agency provides a written response to each employer that petitions for a waiver, setting forth the reasons for the agency’s decision on the waiver request.

(c) Your request for a waiver must include, as a minimum, the following elements:

(1) Information about your organization:

(i) Your determination that standing employees down is necessary for safety in your organization and a statement of your basis for it, including any data on safety problems or incidents that could have been prevented if a stand-down procedure had been in place;

(ii) Data showing the number of confirmed laboratory positive, adulterated, and substituted test results for your employees over the two calendar years preceding your waiver request, and the number and percentage of those test results that were verified positive, adulterated, or substituted by the MRO;

(iii) Information about the work situation of the employees subject to stand-down, including a description of the size and organization of the unit(s) in which the employees work, the process through which employees will be informed of the stand-down, whether there is an in-house MRO, and whether your organization has a medical disqualification or stand-down policy for employees in situations other than drug and alcohol testing; and

(iv) A statement of which DOT agencies regulate your employees.

(2) Your proposed written company policy concerning stand-down, which must include the following elements:

(i) Your assurance that you will distribute copies of your written policy to all employees that it covers;

(ii) Your means of ensuring that no information about the confirmed positive, adulterated, or substituted test result or the reason for the employee’s temporary removal from performance of safety-sensitive functions becomes available, directly or indirectly, to anyone in your organization (or subsequently to another employer) other than the employee, the MRO and the DER;

(iii) Your means of ensuring that all covered employees in a particular job category in your organization are treated the same way with respect to stand-down;

(iv) Your means of ensuring that a covered employee will be subject to

stand-down only with respect to the actual performance of safety-sensitive duties;

(v) Your means of ensuring that you will not take any action adversely affecting the employee's pay and benefits pending the completion of the MRO's verification process. This includes continuing to pay the employee during the period of the stand-down in the same way you would have paid him or her had he or she not been stood down;

(vi) Your means of ensuring that the verification process will commence no later than the time an employee is temporarily removed from the performance of safety-sensitive functions and that the period of stand-down for any employee will not exceed five days, unless you are informed in writing by the MRO that a longer period is needed to complete the verification process; and

(vii) Your means of ensuring that, in the event that the MRO verifies the test negative or cancels it—

(A) You return the employee immediately to the performance of safety-sensitive duties;

(B) The employee suffers no adverse personnel or financial consequences as a result; and

(C) You maintain no individually identifiable record that the employee had a confirmed laboratory positive, adulterated, or substituted test result (*i.e.*, you maintain a record of the test only as a negative or cancelled test).

(d) The Administrator of the concerned DOT agency, or his or her designee, may grant a waiver request only if he or she determines that, in the context of your organization, there is a high probability that the procedures you propose will effectively enhance safety and protect the interests of employees in fairness and confidentiality.

(1) The Administrator, or his or her designee, may impose any conditions he or she deems appropriate on the grant of a waiver.

(2) The Administrator, or his or her designee, may immediately suspend or revoke the waiver if he or she determines that you have failed to protect effectively the interests of employees in fairness and confidentiality, that you have failed to comply with the requirements of this section, or that you

have failed to comply with any other conditions the DOT agency has attached to the waiver.

(e) You must not stand employees down in the absence of a waiver, or inconsistent with the terms of your waiver. If you do, you are in violation of this part and DOT agency drug testing regulations, and you are subject to enforcement action by the DOT agency just as you are for other violations of this part and DOT agency rules.

§ 40.23 What actions do employers take after receiving verified test results?

(a) As an employer who receives a verified positive drug test result, you must immediately remove the employee involved from performing safety-sensitive functions. You must take this action upon receiving the initial report of the verified positive test result. Do not wait to receive the written report or the result of a split specimen test.

(b) As an employer who receives a verified adulterated or substituted drug test result, you must consider this a refusal to test and immediately remove the employee involved from performing safety-sensitive functions. You must take this action on receiving the initial report of the verified adulterated or substituted test result. Do not wait to receive the written report or the result of a split specimen test.

(c) As an employer who receives an alcohol test result of 0.04 or higher, you must immediately remove the employee involved from performing safety-sensitive functions. If you receive an alcohol test result of 0.02–0.39, you must temporarily remove the employee involved from performing safety-sensitive functions, as provided in applicable DOT agency regulations. Do not wait to receive the written report of the result of the test.

(d) As an employer, when an employee has a verified positive, adulterated, or substituted test result, or has otherwise violated a DOT agency drug and alcohol regulation, you must not return the employee to the performance of safety-sensitive functions until or unless the employee successfully completes the return-to-duty process of Subpart O of this part.

(e) As an employer who receives a drug test result indicating that the employee's specimen was dilute, take action as provided in § 40.197.

(f) As an employer who receives a drug test result indicating that the employee's specimen was invalid and that a second collection must take place under direct observation—

(1) You must immediately direct the employee to provide a new specimen under direct observation.

(2) You must not attach consequences to the finding that the test was invalid other than collecting a new specimen under direct observation.

(3) You must not give any advance notice of this test requirement to the employee.

(4) You must instruct the collector to note on the CCF the same reason (*e.g.*, random test, post-accident test) as for the original collection.

(g) As an employer who receives a cancelled test result when a negative result is required (*e.g.*, pre-employment, return-to-duty, or follow-up test), you must direct the employee to provide another specimen immediately.

(h) As an employer, you may also be required to take additional actions required by DOT agency regulations (*e.g.*, FAA rules require some positive drug tests to be reported to the Federal Air Surgeon).

(i) As an employer, you must not alter a drug or alcohol test result transmitted to you by an MRO, BAT, or C/TPA.

§ 40.25 Must an employer check on the drug and alcohol testing record of employees it is intending to use to perform safety-sensitive duties?

(a) Yes, as an employer, you must, after obtaining an employee's written consent, request the information about the employee listed in paragraph (b) of this section. This requirement applies only to employees seeking to begin performing safety-sensitive duties for you for the first time (*i.e.*, a new hire, an employee transfers into a safety-sensitive position). If the employee refuses to provide this written consent, you must not permit the employee to perform safety-sensitive functions.

(b) You must request the information listed in this paragraph (b) from DOT-

regulated employers who have employed the employee during any period during the two years before the date of the employee's application or transfer:

(1) Alcohol tests with a result of 0.04 or higher alcohol concentration;

(2) Verified positive drug tests;

(3) Refusals to be tested (including verified adulterated or substituted drug test results);

(4) Other violations of DOT agency drug and alcohol testing regulations; and

(5) With respect to any employee who violated a DOT drug and alcohol regulation, documentation of the employee's successful completion of DOT return-to-duty requirements (including follow-up tests). If the previous employer does not have information about the return-to-duty process (*e.g.*, an employer who did not hire an employee who tested positive on a pre-employment test), you must seek to obtain this information from the employee.

(c) The information obtained from a previous employer includes any drug or alcohol test information obtained from previous employers under this section or other applicable DOT agency regulations.

(d) If feasible, you must obtain and review this information before the employee first performs safety-sensitive functions. If this is not feasible, you must obtain and review the information as soon as possible. However, you must not permit the employee to perform safety-sensitive functions after 30 days from the date on which the employee first performed safety-sensitive functions, unless you have obtained or made and documented a good faith effort to obtain this information.

(e) If you obtain information that the employee has violated a DOT agency drug and alcohol regulation, you must not use the employee to perform safety-sensitive functions unless you also obtain information that the employee has subsequently complied with the return-to-duty requirements of Subpart O of this part and DOT agency drug and alcohol regulations.

(f) You must provide to each of the employers from whom you request information under paragraph (b) of this section written consent for the release

of the information cited in paragraph (a) of this section.

(g) The release of information under this section must be in any written form (*e.g.*, fax, e-mail, letter) that ensures confidentiality. As the previous employer, you must maintain a written record of the information released, including the date, the party to whom it was released, and a summary of the information provided.

(h) If you are an employer from whom information is requested under paragraph (b) of this section, you must, after reviewing the employee's specific, written consent, immediately release the requested information to the employer making the inquiry.

(i) As the employer requesting the information required under this section, you must maintain a written, confidential record of the information you obtain or of the good faith efforts you made to obtain the information. You must retain this information for three years from the date of the employee's first performance of safety-sensitive duties for you.

(j) As the employer, you must also ask the employee whether he or she has tested positive, or refused to test, on any pre-employment drug or alcohol test administered by an employer to which the employee applied for, but did not obtain, safety-sensitive transportation work covered by DOT agency drug and alcohol testing rules during the past two years. If the employee admits that he or she had a positive test or a refusal to test, you must not use the employee to perform safety-sensitive functions for you, until and unless the employee documents successful completion of the return-to-duty process (see paragraphs (b)(5) and (e) of this section).

§ 40.26 What form must an employer use to report Management Information System (MIS) data to a DOT agency?

As an employer, when you are required to report MIS data to a DOT agency, you must use the form and instructions at appendix H to part 40. You must submit the MIS report in accordance with rule requirements (*e.g.*, dates for submission; selection of companies required to submit, and method

of reporting) established by the DOT agency regulating your operation.

[68 FR 43952, July 25, 2003]

§ 40.27 May an employer require an employee to sign a consent or release in connection with the DOT drug and alcohol testing program?

No, as an employer, you must not require an employee to sign a consent, release, waiver of liability, or indemnification agreement with respect to any part of the drug or alcohol testing process covered by this part (including, but not limited to, collections, laboratory testing, MRO and SAP services).

[66 FR 41950, Aug. 9, 2001]

§ 40.29 Where is other information on employer responsibilities found in this regulation?

You can find other information on the responsibilities of employers in the following sections of this part:

§ 40.3—Definition.

§ 40.35—Information about DERs that employers must provide collectors.

§ 40.45—Modifying CCFs, Use of foreign-language CCFs.

§ 40.47—Use of non-Federal forms for DOT tests or Federal CCFs for non-DOT tests.

§ 40.67—Requirements for direct observation.

§§ 40.103–40.105—Blind specimen requirements.

§ 40.173—Responsibility to ensure test of split specimen.

§ 40.193—Action in “shy bladder” situations.

§ 40.197—Actions following report of a dilute specimen.

§ 40.207—Actions following a report of a cancelled drug test.

§ 40.209—Actions following and consequences of non-fatal flaws in drug tests.

§ 40.215—Information about DERs that employers must provide BATs and STTs.

§ 40.225—Modifying ATFs; use of foreign-language ATFs.

§ 40.227—Use of non-DOT forms for DOT tests or DOT ATFs for non-DOT tests.

§ 40.235 (c) and (d)—responsibility to follow instructions for ASDs.

§ 40.255 (b)—receipt and storage of alcohol test information.

§ 40.265 (c)–(e)—actions in “shy lung” situations.

§ 40.267—Cancellation of alcohol tests.

§ 40.271—Actions in “correctable flaw” situations in alcohol tests.

§ 40.273—Actions following cancelled tests in alcohol tests.

§ 40.275—Actions in “non-fatal flaw” situations in alcohol tests.

§§ 40.287–40.289—Responsibilities concerning SAP services.

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- §§ 40.295–40.297—Prohibition on seeking second SAP evaluation or changing SAP recommendation.
- § 40.303—Responsibilities concerning aftercare recommendations.
- § 40.305—Responsibilities concerning return-to-duty decision.
- § 40.309—Responsibilities concerning follow-up tests.
- § 40.321—General confidentiality requirement.
- § 40.323—Release of confidential information in litigation.
- § 40.331—Other circumstances for the release of confidential information.
- § 40.333—Record retention requirements.
- § 40.345—Choice of who reports drug testing information to employers.

[65 FR 79526, Dec. 19, 2000. Redesignated at 66 FR 41950, Aug. 9, 2001]

Subpart C—Urine Collection Personnel

§ 40.31 Who may collect urine specimens for DOT drug testing?

(a) Collectors meeting the requirements of this subpart are the only persons authorized to collect urine specimens for DOT drug testing.

(b) A collector must meet training requirements of § 40.33.

(c) As the immediate supervisor of an employee being tested, you may not act as the collector when that employee is tested, unless no other collector is available and you are permitted to do so under DOT agency drug and alcohol regulations.

(d) You must not act as the collector for the employee being tested if you work for a HHS-certified laboratory (*e.g.*, as a technician or accessioner) and could link the employee with a urine specimen, drug testing result, or laboratory report.

§ 40.33 What training requirements must a collector meet?

To be permitted to act as a collector in the DOT drug testing program, you must meet each of the requirements of this section:

(a) *Basic information.* You must be knowledgeable about this part, the current “DOT Urine Specimen Collection Procedures Guidelines,” and DOT agency regulations applicable to the employers for whom you perform collections, and you must keep current on any changes to these materials. The

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DOT Urine Specimen Collection Procedures Guidelines document is available from ODAPC (Department of Transportation, 400 7th Street, SW., Room 10403, Washington DC, 20590, 202–366–3784, or on the ODAPC web site (<http://www.dot.gov/ost/dapc>).

(b) *Qualification training.* You must receive qualification training meeting the requirements of this paragraph. Qualification training must provide instruction on the following subjects:

(1) All steps necessary to complete a collection correctly and the proper completion and transmission of the CCF;

(2) “Problem” collections (*e.g.*, situations like “shy bladder” and attempts to tamper with a specimen);

(3) Fatal flaws, correctable flaws, and how to correct problems in collections; and

(4) The collector’s responsibility for maintaining the integrity of the collection process, ensuring the privacy of employees being tested, ensuring the security of the specimen, and avoiding conduct or statements that could be viewed as offensive or inappropriate;

(c) *Initial Proficiency Demonstration.* Following your completion of qualification training under paragraph (b) of this section, you must demonstrate proficiency in collections under this part by completing five consecutive error-free mock collections.

(1) The five mock collections must include two uneventful collection scenarios, one insufficient quantity of urine scenario, one temperature out of range scenario, and one scenario in which the employee refuses to sign the CCF and initial the specimen bottle tamper-evident seal.

(2) Another person must monitor and evaluate your performance, in person or by a means that provides real-time observation and interaction between the instructor and trainee, and attest in writing that the mock collections are “error-free.” This person must be a qualified collector who has demonstrated necessary knowledge, skills, and abilities by—

(i) Regularly conducting DOT drug test collections for a period of at least a year;

(ii) Conducting collector training under this part for a year; or

(iii) Successfully completing a “train the trainer” course.

(d) *Schedule for qualification training and initial proficiency demonstration.* The following is the schedule for qualification training and the initial proficiency demonstration you must meet:

(1) If you became a collector before August 1, 2001, and you have already met the requirements of paragraphs (b) and (c) of this section, you do not have to meet them again.

(2) If you became a collector before August 1, 2001, and have yet to meet the requirements of paragraphs (b) and (c) of this section, you must do so no later than January 31, 2003.

(3) If you become a collector on or after August 1, 2001, you must meet the requirements of paragraphs (b) and (c) of this section before you begin to perform collector functions.

(e) *Refresher training.* No less frequently than every five years from the date on which you satisfactorily complete the requirements of paragraphs (b) and (c) of this section, you must complete refresher training that meets all the requirements of paragraphs (b) and (c) of this section.

(f) *Error Correction Training.* If you make a mistake in the collection process that causes a test to be cancelled (i.e., a fatal or uncorrected flaw), you must undergo error correction training. This training must occur within 30 days of the date you are notified of the error that led to the need for retraining.

(1) Error correction training must be provided and your proficiency documented in writing by a person who meets the requirements of paragraph (c)(2) of this section.

(2) Error correction training is required to cover only the subject matter area(s) in which the error that caused the test to be cancelled occurred.

(3) As part of the error correction training, you must demonstrate your proficiency in the collection procedures of this part by completing three consecutive error-free mock collections. The mock collections must include one uneventful scenario and two scenarios related to the area(s) in which your error(s) occurred. The person providing the training must monitor and evaluate your performance

and attest in writing that the mock collections were “error-free.”

(g) *Documentation.* You must maintain documentation showing that you currently meet all requirements of this section. You must provide this documentation on request to DOT agency representatives and to employers and C/TPAs who are using or negotiating to use your services.

[65 FR 79526, Dec 19, 2000; 66 FR 3885, Jan. 17, 2001, as amended at 66 FR 41950, Aug. 9, 2001]

§ 40.35 What information about the DER must employers provide to collectors?

As an employer, you must provide to collectors the name and telephone number of the appropriate DER (and C/TPA, where applicable) to contact about any problems or issues that may arise during the testing process.

§ 40.37 Where is other information on the role of collectors found in this regulation?

You can find other information on the role and functions of collectors in the following sections of this part:

§ 40.3—Definition.

§ 40.43—Steps to prepare and secure collection sites.

§§ 40.45–40.47—Use of CCF.

§§ 40.49–40.51—Use of collection kit and shipping materials.

§§ 40.61–40.63—Preliminary steps in collections.

§ 40.65—Role in checking specimens.

§ 40.67—Role in directly observed collections.

§ 40.69—Role in monitored collections.

§ 40.71—Role in split specimen collections.

§ 40.73—Chain of custody completion and finishing the collection process.

§ 40.103—Processing blind specimens.

§ 40.191—Action in case of refusals to take test.

§ 40.193—Action in “shy bladder” situations.

§ 40.199–40.205—Collector errors in tests, effects, and means of correction.

Subpart D—Collection Sites, Forms, Equipment and Supplies Used in DOT Urine Collections

§ 40.41 Where does a urine collection for a DOT drug test take place?

(a) A urine collection for a DOT drug test must take place in a collection

site meeting the requirements of this section.

(b) If you are operating a collection site, you must ensure that it meets the security requirements of § 40.43.

(c) If you are operating a collection site, you must have all necessary personnel, materials, equipment, facilities and supervision to provide for the collection, temporary storage, and shipping of urine specimens to a laboratory, and a suitable clean surface for writing.

(d) Your collection site must include a facility for urination described in either paragraph (e) or paragraph (f) of this section.

(e) The first, and preferred, type of facility for urination that a collection site may include is a single-toilet room, having a full-length privacy door, within which urination can occur.

(1) No one but the employee may be present in the room during the collection, except for the observer in the event of a directly observed collection.

(2) You must have a source of water for washing hands, that, if practicable, should be external to the closed room where urination occurs. If an external source is not available, you may meet this requirement by securing all sources of water and other substances that could be used for adulteration and substitution (*e.g.*, water faucets, soap dispensers) and providing moist towlettes outside the closed room.

(f) The second type of facility for urination that a collection site may include is a multistall restroom.

(1) Such a site must provide substantial visual privacy (*e.g.*, a toilet stall with a partial-length door) and meet all other applicable requirements of this section.

(2) If you use a multi-stall restroom, you must either—

(i) Secure all sources of water and other substances that could be used for adulteration and substitution (*e.g.*, water faucets, soap dispensers) and place bluing agent in all toilets or secure the toilets to prevent access; or

(ii) Conduct all collections in the facility as monitored collections (see § 40.69 for procedures). This is the only circumstance in which you may conduct a monitored collection.

(3) No one but the employee may be present in the multistall restroom during the collection, except for the monitor in the event of a monitored collection or the observer in the event of a directly observed collection.

(g) A collection site may be in a medical facility, a mobile facility (*e.g.*, a van), a dedicated collection facility, or any other location meeting the requirements of this section.

§ 40.43 What steps must operators of collection sites take to protect the security and integrity of urine collections?

(a) Collectors and operators of collection sites must take the steps listed in this section to prevent unauthorized access that could compromise the integrity of collections.

(b) As a collector, you must do the following before each collection to deter tampering with specimens:

(1) Secure any water sources or otherwise make them unavailable to employees (*e.g.*, turn off water inlet, tape handles to prevent opening faucets);

(2) Ensure that the water in the toilet is blue;

(3) Ensure that no soap, disinfectants, cleaning agents, or other possible adulterants are present;

(4) Inspect the site to ensure that no foreign or unauthorized substances are present;

(5) Tape or otherwise secure shut any movable toilet tank top, or put bluing in the tank;

(6) Ensure that undetected access (*e.g.*, through a door not in your view) is not possible;

(7) Secure areas and items (*e.g.*, ledges, trash receptacles, paper towel holders, under-sink areas) that appear suitable for concealing contaminants; and

(8) Recheck items in paragraphs (b)(1) through (7) of this section following each collection to ensure the site's continued integrity.

(c) If the collection site uses a facility normally used for other purposes, like a public rest room or hospital examining room, you must, as a collector, also ensure before the collection that:

(1) Access to collection materials and specimens is effectively restricted; and

(2) The facility is secured against access during the procedure to ensure privacy to the employee and prevent distraction of the collector. Limited-access signs must be posted.

(d) As a collector, you must take the following additional steps to ensure security during the collection process:

(1) To avoid distraction that could compromise security, you are limited to conducting a collection for only one employee at a time. However, during the time one employee is in the period for drinking fluids in a "shy bladder" situation (see § 40.193(b)), you may conduct a collection for another employee.

(2) To the greatest extent you can, keep an employee's collection container within view of both you and the employee between the time the employee has urinated and the specimen is sealed.

(3) Ensure you are the only person in addition to the employee who handles the specimen before it is poured into the bottles and sealed with tamper-evident seals.

(4) In the time between when the employee gives you the specimen and when you seal the specimen, remain within the collection site.

(5) Maintain personal control over each specimen and CCF throughout the collection process.

(e) If you are operating a collection site, you must implement a policy and procedures to prevent unauthorized personnel from entering any part of the site in which urine specimens are collected or stored.

(1) Only employees being tested, collectors and other collection site workers, DERs, employee and employer representatives authorized by the employer (*e.g.*, employer policy, collective bargaining agreement), and DOT agency representatives are authorized persons for purposes of this paragraph (e).

(2) Except for the observer in a directly observed collection or the monitor in the case of a monitored collection, you must not permit anyone to enter the urination facility in which employees provide specimens.

(3) You must ensure that all authorized persons are under the supervision of a collector at all times when permitted into the site.

(4) You or the collector may remove any person who obstructs, interferes with, or causes a delay in the collection process.

(f) If you are operating a collection site, you must minimize the number of persons handling specimens.

§ 40.45 What form is used to document a DOT urine collection?

(a) The Federal Drug Testing Custody and Control Form (CCF) must be used to document every urine collection required by the DOT drug testing program. The CCF must be a five-part carbonless manifold form. You may view this form on the Department's web site (<http://www.dot.gov/ost/dapc>) or the HHS web site (<http://www.workplace.samhsa.gov>).

(b) You must not use a non-Federal form or an expired Federal form to conduct a DOT urine collection. As a laboratory, C/TPA or other party that provides CCFs to employers, collection sites, or other customers, you must not provide copies of an expired Federal form to these participants. You must also affirmatively notify these participants that they must not use an expired Federal form (*e.g.*, that beginning August 1, 2001, they may not use the old 7-part Federal CCF for DOT urine collections).

(c) As a participant in the DOT drug testing program, you are not permitted to modify or revise the CCF except as follows:

(1) You may include, in the area outside the border of the form, other information needed for billing or other purposes necessary to the collection process.

(2) The CCF must include the names, addresses, telephone numbers and fax numbers of the employer and the MRO, which may be preprinted, typed, or handwritten. The MRO information must include the specific physician's name and address, as opposed to only a generic clinic, health care organization, or company name. This information is required, and it is prohibited for an employer, collector, service agent or any other party to omit it. In addition, a C/TPA's name, address, fax number, and telephone number may be included, but is not required. The employer may use a C/TPA's address in

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place of its own, but must continue to include its name, telephone number, and fax number.

(3) As an employer, you may add the name of the DOT agency under whose authority the test occurred as part of the employer information.

(4) As a collector, you may use a CCF with your name, address, telephone number, and fax number preprinted, but under no circumstances may you sign the form before the collection event.

(d) Under no circumstances may the CCF transmit personal identifying information about an employee (other than a social security number (SSN) or other employee identification (ID) number) to a laboratory.

(e) As an employer, you may use an equivalent foreign-language version of the CCF approved by ODAPC. You may use such a non-English language form only in a situation where both the employee and collector understand and can use the form in that language.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41950, Aug. 9, 2001]

§ 40.47 May employers use the CCF for non-Federal collections or non-Federal forms for DOT collections?

(a) No, as an employer, you are prohibited from using the CCF for non-Federal urine collections. You are also prohibited from using non-Federal forms for DOT urine collections. Doing either subjects you to enforcement action under DOT agency regulations.

(b) (1) In the rare case where the collector, either by mistake or as the only means to conduct a test under difficult circumstances (*e.g.*, post-accident or reasonable suspicion test with insufficient time to obtain the CCF), uses a non-Federal form for a DOT collection, the use of a non-Federal form does not present a reason for the laboratory to reject the specimen for testing or for an MRO to cancel the result.

(2) The use of the non-Federal form is a "correctable flaw." As an MRO, to correct the problem you must follow the procedures of § 40.205(b)(2).

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41950, Aug. 9, 2001]

49 CFR Subtitle A (10-1-05 Edition)

§ 40.49 What materials are used to collect urine specimens?

For each DOT drug test, you must use a collection kit meeting the requirements of Appendix A of this part.

§ 40.51 What materials are used to send urine specimens to the laboratory?

(a) Except as provided in paragraph (b) of this section, you must use a shipping container that adequately protects the specimen bottles from shipment damage in the transport of specimens from the collection site to the laboratory.

(b) You are not required to use a shipping container if a laboratory courier hand-delivers the specimens from the collection site to the laboratory.

Subpart E—Urine Specimen Collections

§ 40.61 What are the preliminary steps in the collection process?

As the collector, you must take the following steps before actually beginning a collection:

(a) When a specific time for an employee's test has been scheduled, or the collection site is at the employee's work site, and the employee does not appear at the collection site at the scheduled time, contact the DER to determine the appropriate interval within which the DER has determined the employee is authorized to arrive. If the employee's arrival is delayed beyond that time, you must notify the DER that the employee has not reported for testing. In a situation where a C/TPA has notified an owner/operator or other individual employee to report for testing and the employee does not appear, the C/TPA must notify the employee that he or she has refused to test (see § 40.191(a)(1)).

(b) Ensure that, when the employee enters the collection site, you begin the testing process without undue delay. For example, you must not wait because the employee says he or she is not ready or is unable to urinate or because an authorized employer or employee representative is delayed in arriving.

(1) If the employee is also going to take a DOT alcohol test, you must, to

the greatest extent practicable, ensure that the alcohol test is completed before the urine collection process begins.

Example to Paragraph (b)(1): An employee enters the test site for both a drug and an alcohol test. Normally, the collector would wait until the BAT had completed the alcohol test process before beginning the drug test process. However, there are some situations in which an exception to this normal practice would be reasonable. One such situation might be if several people were waiting for the BAT to conduct alcohol tests, but a drug testing collector in the same facility were free. Someone waiting might be able to complete a drug test without unduly delaying his or her alcohol test. Collectors and BATs should work together, however, to ensure that post-accident and reasonable suspicion alcohol tests happen as soon as possible (e.g., by moving the employee to the head of the line for alcohol tests).

(2) If the employee needs medical attention (e.g., an injured employee in an emergency medical facility who is required to have a post-accident test), do not delay this treatment to collect a specimen.

(3) You must not collect, by catheterization or other means, urine from an unconscious employee to conduct a drug test under this part. Nor may you catheterize a conscious employee. However, you must inform an employee who normally voids through self-catheterization that the employee is required to provide a specimen in that manner.

(4) If, as an employee, you normally void through self-catheterization, and decline to do so, this constitutes a refusal to test.

(c) Require the employee to provide positive identification. You must see a photo ID issued by the employer (other than in the case of an owner-operator or other self-employed individual) or a Federal, state, or local government (e.g., a driver's license). You may not accept faxes or photocopies of identification. Positive identification by an employer representative (not a co-worker or another employee being tested) is also acceptable. If the employee cannot produce positive identification, you must contact a DER to verify the identity of the employee.

(d) If the employee asks, provide your identification to the employee. Your

identification must include your name and your employer's name, but does not have to include your picture, address, or telephone number.

(e) Explain the basic collection procedure to the employee, including showing the employee the instructions on the back of the CCF.

(f) Direct the employee to remove outer clothing (e.g., coveralls, jacket, coat, hat) that could be used to conceal items or substances that could be used to tamper with a specimen. You must also direct the employee to leave these garments and any briefcase, purse, or other personal belongings with you or in a mutually agreeable location. You must advise the employee that failure to comply with your directions constitutes a refusal to test.

(1) If the employee asks for a receipt for any belongings left with you, you must provide one.

(2) You must allow the employee to keep his or her wallet.

(3) You must not ask the employee to remove other clothing (e.g., shirts, pants, dresses, underwear), to remove all clothing, or to change into a hospital or examination gown (unless the urine collection is being accomplished simultaneously with a DOT agency-authorized medical examination).

(4) You must direct the employee to empty his or her pockets and display the items in them to ensure that no items are present which could be used to adulterate the specimen. If nothing is there that can be used to adulterate a specimen, the employee can place the items back into his or her pockets. As the employee, you must allow the collector to make this observation.

(5) If, in your duties under paragraph (f)(4) of this section, you find any material that could be used to tamper with a specimen, you must:

(i) Determine if the material appears to be brought to the collection site with the intent to alter the specimen, and, if it is, conduct a directly observed collection using direct observation procedures (see § 40.67); or

(ii) Determine if the material appears to be inadvertently brought to the collection site (e.g., eye drops), secure and maintain it until the collection process is completed and conduct a normal (i.e., unobserved) collection.

(g) You must instruct the employee not to list medications that he or she is currently taking on the CCF. (The employee may make notes of medications on the back of the employee copy of the form for his or her own convenience, but these notes must not be transmitted to anyone else.)

§ 40.63 What steps does the collector take in the collection process before the employee provides a urine specimen?

As the collector, you must take the following steps before the employee provides the urine specimen:

- (a) Complete Step 1 of the CCF.
- (b) Instruct the employee to wash and dry his or her hands at this time. You must tell the employee not to wash his or her hands again until after delivering the specimen to you. You must not give the employee any further access to water or other materials that could be used to adulterate or dilute a specimen.
- (c) Select, or allow the employee to select, an individually wrapped or sealed collection container from collection kit materials. Either you or the employee, with both of you present, must unwrap or break the seal of the collection container. You must not unwrap or break the seal on any specimen bottle at this time. You must not allow the employee to take anything from the collection kit into the room used for urination except the collection container.
- (d) Direct the employee to go into the room used for urination, provide a specimen of at least 45 mL, not flush the toilet, and return to you with the specimen as soon as the employee has completed the void.

(d) Direct the employee to go into the room used for urination, provide a specimen of at least 45 mL, not flush the toilet, and return to you with the specimen as soon as the employee has completed the void.

(1) Except in the case of an observed or a monitored collection (see §§ 40.67 and 40.69), neither you nor anyone else may go into the room with the employee.

(2) As the collector, you may set a reasonable time limit for voiding.

(e) You must pay careful attention to the employee during the entire collection process to note any conduct that clearly indicates an attempt to tamper with a specimen (e.g., substitute urine in plain view or an attempt to bring into the collection site an adulterant

or urine substitute). If you detect such conduct, you must require that a collection take place immediately under direct observation (see § 40.67) and note the conduct and the fact that the collection was observed in the “Remarks” line of the CCF (Step 2). You must also, as soon as possible, inform the DER and collection site supervisor that a collection took place under direct observation and the reason for doing so.

§ 40.65 What does the collector check for when the employee presents a specimen?

As a collector, you must check the following when the employee gives the collection container to you:

(a) *Sufficiency of specimen.* You must check to ensure that the specimen contains at least 45 mL of urine.

(1) If it does not, you must follow “shy bladder” procedures (see § 40.193(b)).

(2) When you follow “shy bladder” procedures, you must discard the original specimen, unless another problem (i.e., temperature out of range, signs of tampering) also exists.

(3) You are never permitted to combine urine collected from separate voids to create a specimen.

(4) You must discard any excess urine.

(b) *Temperature.* You must check the temperature of the specimen no later than four minutes after the employee has given you the specimen.

(1) The acceptable temperature range is 32–38 °C/90–100 °F.

(2) You must determine the temperature of the specimen by reading the temperature strip attached to the collection container.

(3) If the specimen temperature is within the acceptable range, you must mark the “Yes” box on the CCF (Step 2).

(4) If the specimen temperature is outside the acceptable range, you must mark the “No” box and enter in the “Remarks” line (Step 2) your findings about the temperature.

(5) If the specimen temperature is outside the acceptable range, you must immediately conduct a new collection using direct observation procedures (see § 40.67).

(6) In a case where a specimen is collected under direct observation because of the temperature being out of range, you must process both the original specimen and the specimen collected using direct observation and send the two sets of specimens to the laboratory. This is true even in a case in which the original specimen has insufficient volume but the temperature is out of range. You must also, as soon as possible, inform the DER and collection site supervisor that a collection took place under direct observation and the reason for doing so.

(7) In a case where the employee refuses to provide another specimen (see § 40.191(a)(3)) or refuses to provide another specimen under direct observation (see § 40.191(a)(4)), you must notify the DER. As soon as you have notified the DER, you must discard any specimen the employee has provided previously during the collection procedure.

(c) *Signs of tampering.* You must inspect the specimen for unusual color, presence of foreign objects or material, or other signs of tampering (*e.g.*, if you notice any unusual odor).

(1) If it is apparent from this inspection that the employee has tampered with the specimen (*e.g.*, blue dye in the specimen, excessive foaming when shaken, smell of bleach), you must immediately conduct a new collection using direct observation procedures (see § 40.67).

(2) In a case where a specimen is collected under direct observation because of showing signs of tampering, you must process both the original specimen and the specimen collected using direct observation and send the two sets of specimens to the laboratory. This is true even in a case in which the original specimen has insufficient volume but it shows signs of tampering. You must also, as soon as possible, inform the DER and collection site supervisor that a collection took place under direct observation and the reason for doing so.

(3) In a case where the employee refuses to provide a specimen under direct observation (see § 40.191(a)(4)), you must discard any specimen the employee provided previously during the

collection procedure. Then you must notify the DER as soon as practicable.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41950, Aug. 9, 2001]

§ 40.67 When and how is a directly observed collection conducted?

(a) As an employer, you must direct an immediate collection under direct observation with no advance notice to the employee, if:

(1) The laboratory reported to the MRO that a specimen is invalid, and the MRO reported to you that there was not an adequate medical explanation for the result;

(2) The MRO reported to you that the original positive, adulterated, or substituted result had to be cancelled because the test of the split specimen could not be performed; or

(3) The laboratory reported to the MRO that the specimen was negative-dilute with a creatinine concentration greater than or equal to 2 mg/dL but less than or equal to 5 mg/dL, and the MRO reported the specimen to you as negative-dilute and that a second collection must take place under direct observation (see § 40.197(b)(1)).

(b) As an employer, you may direct a collection under direct observation of an employee if the drug test is a return-to-duty test or a follow-up test.

(c) As a collector, you must immediately conduct a collection under direct observation if:

(1) You are directed by the DER to do so (see paragraphs (a) and (b) of this section); or

(2) You observed materials brought to the collection site or the employee's conduct clearly indicates an attempt to tamper with a specimen (see §§ 40.61(f)(5)(i) and 40.63(e)); or

(3) The temperature on the original specimen was out of range (see § 40.65(b)(5)); or (4) The original specimen appeared to have been tampered with (see § 40.65(c)(1)).

(d)(1) As the employer, you must explain to the employee the reason for a directly observed collection under paragraph (a) or (b) of this section.

(2) As the collector, you must explain to the employee the reason, if known, under this part for a directly observed collection under paragraphs (c)(1) through (3) of this section.

(e) As the collector, you must complete a new CCF for the directly observed collection.

(1) You must mark the “reason for test” block (Step 1) the same as for the first collection.

(2) You must check the “Observed, (Enter Remark)” box and enter the reason (see § 40.67(b)) in the “Remarks” line (Step 2).

(f) In a case where two sets of specimens are being sent to the laboratory because of suspected tampering with the specimen at the collection site, enter on the “Remarks” line of the CCF (Step 2) for each specimen a notation to this effect (e.g., collection 1 of 2, or 2 of 2) and the specimen ID number of the other specimen.

(g) As the collector, you must ensure that the observer is the same gender as the employee. You must never permit an opposite gender person to act as the observer. The observer can be a different person from the collector and need not be a qualified collector.

(h) As the collector, if someone else is to observe the collection (e.g., in order to ensure a same gender observer), you must verbally instruct that person to follow procedures at paragraphs (i) and (j) of this section. If you, the collector, are the observer, you too must follow these procedures.

(i) As the observer, you must watch the employee urinate into the collection container. Specifically, you are to watch the urine go from the employee’s body into the collection container.

(j) As the observer but not the collector, you must not take the collection container from the employee, but you must observe the specimen as the employee takes it to the collector.

(k) As the collector, when someone else has acted as the observer, you must include the observer’s name in the “Remarks” line of the CCF (Step 2).

(l) As the employee, if you decline to allow a directly observed collection required or permitted under this section to occur, this is a refusal to test.

(m) As the collector, when you learn that a directly observed collection should have been collected but was not, you must inform the employer that it must direct the employee to have an

immediate recollection under direct observation.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41950, Aug. 9, 2001; 68 FR 31626, May 28, 2003; 69 FR 64867, Nov. 9, 2004]

§ 40.69 How is a monitored collection conducted?

(a) As the collector, you must secure the room being used for the monitored collection so that no one except the employee and the monitor can enter it until after the collection has been completed.

(b) As the collector, you must ensure that the monitor is the same gender as the employee, unless the monitor is a medical professional (e.g., nurse, doctor, physician’s assistant, technologist, or technician licensed or certified to practice in the jurisdiction in which the collection takes place). The monitor can be a different person from the collector and need not be a qualified collector.

(c) As the collector, if someone else is to monitor the collection (e.g., in order to ensure a same-gender monitor), you must verbally instruct that person to follow the procedures of paragraphs (d) and (e) of this section. If you, the collector, are the monitor, you must follow these procedures.

(d) As the monitor, you must not watch the employee urinate into the collection container. If you hear sounds or make other observations indicating an attempt to tamper with a specimen, there must be an additional collection under direct observation (see §§ 40.63(e), 40.65(c), and 40.67(b)).

(e) As the monitor, you must ensure that the employee takes the collection container directly to the collector as soon as the employee has exited the enclosure.

(f) As the collector, when someone else has acted as the monitor, you must note that person’s name in the “Remarks” line of the CCF (Step 2).

(g) As the employee being tested, if you decline to permit a collection authorized under this section to be monitored, it is a refusal to test.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41951, Aug. 9, 2001]

§ 40.71 How does the collector prepare the specimens?

(a) All collections under DOT agency drug testing regulations must be split specimen collections.

(b) As the collector, you must take the following steps, in order, after the employee brings the urine specimen to you. You must take these steps in the presence of the employee.

(1) Check the box on the CCF (Step 2) indicating that this was a split specimen collection.

(2) You, not the employee, must first pour at least 30 mL of urine from the collection container into one specimen bottle, to be used for the primary specimen.

(3) You, not the employee, must then pour at least 15 mL of urine from the collection container into the second specimen bottle to be used for the split specimen.

(4) You, not the employee, must place and secure (*i.e.*, tighten or snap) the lids/caps on the bottles.

(5) You, not the employee, must seal the bottles by placing the tamper-evident bottle seals over the bottle caps/lids and down the sides of the bottles.

(6) You, not the employee, must then write the date on the tamper-evident bottle seals.

(7) You must then ensure that the employee initials the tamper-evident bottle seals for the purpose of certifying that the bottles contain the specimens he or she provided. If the employee fails or refuses to do so, you must note this in the "Remarks" line of the CCF (Step 2) and complete the collection process.

(8) You must discard any urine left over in the collection container after both specimen bottles have been appropriately filled and sealed. There is one exception to this requirement: you may use excess urine to conduct clinical tests (*e.g.*, protein, glucose) if the collection was conducted in conjunction with a physical examination required by a DOT agency regulation. Neither you nor anyone else may conduct further testing (such as adulteration testing) on this excess urine and the employee has no legal right to de-

mand that the excess urine be turned over to the employee.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41951, Aug. 9, 2001]

§ 40.73 How is the collection process completed?

(a) As the collector, you must do the following things to complete the collection process. You must complete the steps called for in paragraphs (a)(1) through (a)(7) of this section in the employee's presence.

(1) Direct the employee to read and sign the certification statement on Copy 2 (Step 5) of the CCF and provide date of birth, printed name, and day and evening contact telephone numbers. If the employee refuses to sign the CCF or to provide date of birth, printed name, or telephone numbers, you must note this in the "Remarks" line (Step 2) of the CCF, and complete the collection. If the employee refuses to fill out any information, you must, as a minimum, print the employee's name in the appropriate place.

(2) Complete the chain of custody on the CCF (Step 5) by printing your name (note: you may pre-print your name), recording the time and date of the collection, signing the statement, and entering the name of the delivery service transferring the specimen to the laboratory.

(3) Ensure that all copies of the CCF are legible and complete.

(4) Remove Copy 5 of the CCF and give it to the employee.

(5) Place the specimen bottles and Copy 1 of the CCF in the appropriate pouches of the plastic bag.

(6) Secure both pouches of the plastic bag.

(7) Advise the employee that he or she may leave the collection site.

(8) To prepare the sealed plastic bag containing the specimens and CCF for shipment you must:

(i) Place the sealed plastic bag in a shipping container (*e.g.*, standard courier box) designed to minimize the possibility of damage during shipment. (More than one sealed plastic bag can be placed into a single shipping container if you are doing multiple collections.)

(ii) Seal the container as appropriate.

(iii) If a laboratory courier hand-delivers the specimens from the collection site to the laboratory, prepare the sealed plastic bag for shipment as directed by the courier service.

(9) Send Copy 2 of the CCF to the MRO and Copy 4 to the DER. You must fax or otherwise transmit these copies to the MRO and DER within 24 hours or during the next business day. Keep Copy 3 for at least 30 days, unless otherwise specified by applicable DOT agency regulations.

(b) As a collector or collection site, you must ensure that each specimen you collect is shipped to a laboratory as quickly as possible, but in any case within 24 hours or during the next business day.

Subpart F—Drug Testing Laboratories

§ 40.81 What laboratories may be used for DOT drug testing?

(a) As a drug testing laboratory located in the U.S., you are permitted to participate in DOT drug testing only if you are certified by HHS under the National Laboratory Certification Program (NLCP) for all testing required under this part.

(b) As a drug testing laboratory located in Canada or Mexico which is not certified by HHS under the NLCP, you are permitted to participate in DOT drug testing only if:

(1) The DOT, based on a written recommendation from HHS, has approved your laboratory as meeting HHS laboratory certification standards or deemed your laboratory fully equivalent to a laboratory meeting HHS laboratory certification standards for all testing required under this part; or

(2) The DOT, based on a written recommendation from HHS, has recognized a Canadian or Mexican certifying organization as having equivalent laboratory certification standards and procedures to those of HHS, and the Canadian or Mexican certifying organization has certified your laboratory under those equivalent standards and procedures.

(c) As a laboratory participating in the DOT drug testing program, you must comply with the requirements of this part. You must also comply with

all applicable requirements of HHS in testing DOT specimens, whether or not the HHS requirements are explicitly stated in this part.

(d) If DOT determines that you are in noncompliance with this part, you could be subject to PIE proceedings under Subpart R of this part. If the Department issues a PIE with respect to you, you are ineligible to participate in the DOT drug testing program even if you continue to meet the requirements of paragraph (a) or (b) of this section.

§ 40.83 How do laboratories process incoming specimens?

As the laboratory, you must do the following when you receive a DOT specimen:

(a) You are authorized to receive only the laboratory copy of the CCF. You are not authorized to receive other copies of the CCF nor any copies of the alcohol testing form.

(b) You must comply with applicable provisions of the HHS Guidelines concerning accessioning and processing urine drug specimens.

(c) You must inspect each specimen and CCF for the following “fatal flaws:”

(1) The specimen ID numbers on the specimen bottle and the CCF do not match;

(2) The specimen bottle seal is broken or shows evidence of tampering, unless a split specimen can be redesignated (see paragraph (g) of this section);

(3) The collector’s printed name *and* signature are omitted from the CCF; and

(4) There is an insufficient amount of urine in the primary bottle for analysis, unless the specimens can be redesignated (see paragraph (g) of this section).

(d) When you find a specimen meeting the criteria of paragraph (c) of this section, you must document your findings and stop the testing process. Report the result in accordance with § 40.97(a)(3).

(e) You must inspect each CCF for the presence of the collector’s signature on the certification statement in Step 4 of the CCF. Upon finding that the signature is omitted, document the flaw and continue the testing process.

(1) In such a case, you must retain the specimen for a minimum of 5 business days from the date on which you initiated action to correct the flaw.

(2) You must then attempt to correct the flaw by following the procedures of § 40.205(b)(1).

(3) If the flaw is not corrected, report the result as rejected for testing in accordance with § 40.97(a)(3).

(f) If you determine that the specimen temperature was not checked and the "Remarks" line did not contain an entry regarding the temperature being outside of range, you must then attempt to correct the problem by following the procedures of § 40.208.

(1) In such a case, you must continue your efforts to correct the problem for five business days, before you report the result.

(2) When you have obtained the correction, or five business days have elapsed, report the result in accordance with § 40.97(a).

(g) If you determine that a CCF that fails to meet the requirements of § 40.45(a) (e.g., a non-Federal form or an expired Federal form was used for the collection), you must attempt to correct the use of the improper form by following the procedures of § 40.205(b)(2).

(1) In such a case, you must retain the specimen for a minimum of 5 business days from the date on which you initiated action to correct the problem.

(2) During the period August 1–October 31, 2001, you are not required to reject a test conducted on an expired Federal CCF because this problem is not corrected. Beginning November 1, 2001, if the problem(s) is not corrected, you must reject the test and report the result in accordance with § 40.97(a)(3).

(h) If the CCF is marked indicating that a split specimen collection was collected and if the split specimen does not accompany the primary, has leaked, or is otherwise unavailable for testing, you must still test the primary specimen and follow appropriate procedures outlined in § 40.175(b) regarding the unavailability of the split specimen for testing.

(1) The primary specimen and the split specimen can be redesignated (*i.e.*, Bottle B is redesignated as Bottle A, and vice-versa) if:

(i) The primary specimen appears to have leaked out of its sealed bottle and the laboratory believes a sufficient amount of urine exists in the split specimen to conduct all appropriate primary laboratory testing; or

(ii) The primary specimen is labeled as Bottle B, and the split specimen as Bottle A; or

(iii) The laboratory opens the split specimen instead of the primary specimen, the primary specimen remains sealed, and the laboratory believes a sufficient amount of urine exists in the split specimen to conduct all appropriate primary laboratory testing; or

(iv) The primary specimen seal is broken but the split specimen remains sealed and the laboratory believes a sufficient amount of urine exists in the split specimen to conduct all appropriate primary laboratory testing.

(2) In situations outlined in paragraph (g)(1) of this section, the laboratory shall mark through the "A" and write "B," then initial and date the change. A corresponding change shall be made to the other bottle by marking through the "B" and writing "A," and initialing and dating the change.

(i) A notation shall be made on Copy 1 of the CCF (Step 5a) and on any laboratory internal chain of custody documents, as appropriate, for any fatal or correctable flaw.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41951, Aug. 9, 2001]

§ 40.85 What drugs do laboratories test for?

As a laboratory, you must test for the following five drugs or classes of drugs in a DOT drug test. You must not test "DOT specimens" for any other drugs.

- (a) Marijuana metabolites.
- (b) Cocaine metabolites.
- (c) Amphetamines.
- (d) Opiate metabolites.
- (e) Phencyclidine (PCP).

§ 40.87 What are the cutoff concentrations for initial and confirmation tests?

(a) As a laboratory, you must use the cutoff concentrations displayed in the following table for initial and confirmation drug tests. All cutoff concentrations are expressed in nanograms

§ 40.89

per milliliter (ng/mL). The table follows:

Type of drug or metabolite	Initial test	Confirmation test
(1) Marijuana metabolites ..	50	
(i) Delta-9-tetrahydrocannabinol-9-carboxylic acid (THC).		15
(2) Cocaine metabolites (Benzoylecgonine).	300	150
(3) Phencyclidine (PCP)	25	25
(4) Amphetamines	1000	
(i) Amphetamine		500
(ii) Methamphetamine		500 (Specimen must also contain amphetamine at a concentration of greater than or equal to 200 ng/mL.)
(5) Opiate metabolites	2000	
(i) Codeine		2000
(ii) Morphine		2000
(iii) 6-acetylmorphine (6-AM).		10 (Test for 6-AM in the specimen. Conduct this test only when specimen contains morphine at a concentration greater than or equal to 2000 ng/mL.)

(b) On an initial drug test, you must report a result below the cutoff concentration as negative. If the result is at or above the cutoff concentration, you must conduct a confirmation test.

(c) On a confirmation drug test, you must report a result below the cutoff concentration as negative and a result at or above the cutoff concentration as confirmed positive.

(d) You must report quantitative values for morphine or codeine at 15,000 ng/mL or above.

§ 40.89 What is validity testing, and are laboratories required to conduct it?

(a) Specimen validity testing is the evaluation of the specimen to determine if it is consistent with normal human urine. The purpose of validity testing is to determine whether certain adulterants or foreign substances were added to the urine, if the urine was diluted, or if the specimen was substituted.

(b) As a laboratory, you are authorized to conduct validity testing.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41951, Aug. 9, 2001]

49 CFR Subtitle A (10-1-05 Edition)

§ 40.91 What validity tests must laboratories conduct on primary specimens?

As a laboratory, when you conduct validity testing under § 40.89, you must conduct it in accordance with the requirements of this section.

(a) You must determine the creatinine concentration on each primary specimen. You must also determine its specific gravity if you find the creatinine concentration to be less than 20 mg/dL.

(b) You must determine the pH of each primary specimen.

(c) You must perform one or more validity tests for oxidizing adulterants on each primary specimen.

(d) You must perform additional validity tests on the primary specimen when the following conditions are observed:

(1) Abnormal physical characteristics;

(2) Reactions or responses characteristic of an adulterant obtained during initial or confirmatory drug tests (e.g., non-recovery of internal standards, unusual response); or

(3) Possible unidentified interfering substance or adulterant.

(e) If you determine that the specimen is invalid and HHS guidelines direct you to contact the MRO, you must contact the MRO and together decide if testing the primary specimen by another HHS certified laboratory would be useful in being able to report a positive or adulterated test result.

[65 FR 79526, Dec. 19, 2000, as amended at 69 FR 64867, Nov. 9, 2004]

§ 40.93 What criteria do laboratories use to establish that a specimen is dilute or substituted?

(a) As a laboratory, you must consider the primary specimen to be dilute when:

(1) The creatinine concentration is greater than or equal to 2 mg/dL but less than 20 mg/dL, and

(2) The specific gravity is greater than 1.0010 but less than 1.0030 on a single aliquot.

(b) As a laboratory, you must consider the primary specimen to be substituted when the creatinine concentration is less than 2 mg/dL and the specific gravity is less than or equal to

1.0010 or greater than or equal to 1.0200 on both the initial and confirmatory creatinine tests and on both the initial and confirmatory specific gravity tests on two separate aliquots.

[69 FR 64867, Nov. 9, 2004]

§ 40.95 What criteria do laboratories use to establish that a specimen is adulterated?

(a) As a laboratory, you must consider the primary specimen to be adulterated if you determine that—

(1) A substance that is not expected to be present in human urine is identified in the specimen;

(2) A substance that is expected to be present in human urine is identified at a concentration so high that it is not consistent with human urine; or

(3) The physical characteristics of the specimen are outside the normal expected range for human urine.

(b) In making your determination under paragraph (a) of this section, you must apply the criteria in current HHS requirements or specimen validity guidance.

§ 40.97 What do laboratories report and how do they report it?

(a) As a laboratory, you must report the results for each primary specimen tested as one or more of the following:

- (1) Negative;
- (2) Negative-dilute, with numerical values for creatinine and specific gravity;
- (3) Rejected for testing, with remark(s);
- (4) Positive, with drug(s)/metabolite(s) noted;
- (5) Positive, with drug(s)/metabolite(s) noted—dilute;
- (6) Adulterated, with numerical values (when applicable), with remark(s);
- (7) Substituted, with numerical values for creatinine and specific gravity; or
- (8) Invalid result, with remark(s).

(b) As a laboratory, you must report laboratory results directly, and only, to the MRO at his or her place of business. You must not report results to or through the DER or a service agent (e.g., C/TPA).

(1) Negative results: You must fax, courier, mail, or electronically transmit a legible image or copy of the

fully-completed Copy 1 of the CCF which has been signed by the certifying scientist, or you may provide the laboratory results report electronically (i.e., computer data file).

(i) If you elect to provide the laboratory results report, you must include the following elements, as a minimum, in the report format:

- (A) Laboratory name and address;
- (B) Employer's name (you may include I.D. or account number);
- (C) Medical review officer's name;
- (D) Specimen I.D. number;
- (E) Donor's SSN or employee I.D. number, if provided;
- (F) Reason for test, if provided;
- (G) Collector's name and telephone number;
- (H) Date of the collection;
- (I) Date received at the laboratory;
- (J) Date certifying scientist released the results;
- (K) Certifying scientist's name;
- (L) Results (e.g., positive, adulterated) as listed in paragraph (a) of this section; and
- (M) Remarks section, with an explanation of any situation in which a correctable flaw has been corrected.

(ii) You may release the laboratory results report only after review and approval by the certifying scientist. It must reflect the same test result information as contained on the CCF signed by the certifying scientist. The information contained in the laboratory results report may not contain information that does not appear on the CCF.

(iii) The results report may be transmitted through any means that ensures accuracy and confidentiality. You, as the laboratory, together with the MRO, must ensure that the information is adequately protected from unauthorized access or release, both during transmission and in storage.

(2) Non-negative results: You must fax, courier, mail, or electronically transmit a legible image or copy of the fully-completed Copy 1 of the CCF that has been signed by the certifying scientist. In addition, you may provide the electronic laboratory results report following the format and procedures set forth in paragraphs (b)(1)(i) and (ii) of this section.

(c) In transmitting laboratory results to the MRO, you, as the laboratory, together with the MRO, must ensure that the information is adequately protected from unauthorized access or release, both during transmission and in storage. If the results are provided by fax, the fax connection must have a fixed telephone number accessible only to authorized individuals.

(d) You must transmit test results to the MRO in a timely manner, preferably the same day that review by the certifying scientist is completed.

(e)(1) You must provide quantitative values for confirmed positive drug test results to the MRO when the MRO requests you to do so in writing. The MRO's request may be either a general request covering all such results you send to the MRO or a specific case-by-case request.

(2) You must provide the numerical values that support the adulterated (when applicable) or substituted result, without a request from the MRO.

(3) You must also provide to the MRO numerical values for creatinine and specific gravity for the negative-dilute test result, without a request from the MRO.

(f) You must provide quantitative values for confirmed opiate results for morphine or codeine at 15,000 ng/mL or above, even if the MRO has not requested quantitative values for the test result.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41951, Aug. 9, 2001; 68 FR 31626, May 28, 2003; 69 FR 64867, Nov. 9, 2004]

§ 40.99 How long does the laboratory retain specimens after testing?

(a) As a laboratory testing the primary specimen, you must retain a specimen that was reported with positive, adulterated, substituted, or invalid results for a minimum of one year.

(b) You must keep such a specimen in secure, long-term, frozen storage in accordance with HHS requirements.

(c) Within the one-year period, the MRO, the employee, the employer, or a DOT agency may request in writing that you retain a specimen for an additional period of time (e.g., for the purpose of preserving evidence for litigation or a safety investigation). If you

receive such a request, you must comply with it. If you do not receive such a request, you may discard the specimen at the end of the year.

(d) If you have not sent the split specimen to another laboratory for testing, you must retain the split specimen for an employee's test for the same period of time that you retain the primary specimen and under the same storage conditions.

(e) As the laboratory testing the split specimen, you must meet the requirements of paragraphs (a) through (d) of this section with respect to the split specimen.

§ 40.101 What relationship may a laboratory have with an MRO?

(a) As a laboratory, you may not enter into any relationship with an MRO that creates a conflict of interest or the appearance of a conflict of interest with the MRO's responsibilities for the employer. You may not derive any financial benefit by having an employer use a specific MRO.

(b) The following are examples of relationships between laboratories and MROs that the Department regards as creating conflicts of interest, or the appearance of such conflicts. This following list of examples is not intended to be exclusive or exhaustive:

(1) The laboratory employs an MRO who reviews test results produced by the laboratory;

(2) The laboratory has a contract or retainer with the MRO for the review of test results produced by the laboratory;

(3) The laboratory designates which MRO the employer is to use, gives the employer a slate of MROs from which to choose, or recommends certain MROs;

(4) The laboratory gives the employer a discount or other incentive to use a particular MRO;

(5) The laboratory has its place of business co-located with that of an MRO or MRO staff who review test results produced by the laboratory; or

(6) The laboratory permits an MRO, or an MRO's organization, to have a financial interest in the laboratory.

§ 40.103 What are the requirements for submitting blind specimens to a laboratory?

(a) As an employer or C/TPA with an aggregate of 2000 or more DOT-covered employees, you must send blind specimens to laboratories you use. If you have an aggregate of fewer than 2000 DOT-covered employees, you are not required to provide blind specimens.

(b) To each laboratory to which you send at least 100 specimens in a year, you must transmit a number of blind specimens equivalent to one percent of the specimens you send to that laboratory, up to a maximum of 50 blind specimens in each quarter (*i.e.*, January-March, April-June, July-September, October-December). As a C/TPA, you must apply this percentage to the total number of DOT-covered employees' specimens you send to the laboratory. Your blind specimen submissions must be evenly spread throughout the year. The following examples illustrate how this requirement works:

Example 1 to Paragraph (b). You send 2500 specimens to Lab X in Year 1. In this case, you would send 25 blind specimens to Lab X in Year 1. To meet the even distribution requirement, you would send 6 in each of three quarters and 7 in the other.

Example 2 to Paragraph (b). You send 2000 specimens to Lab X and 1000 specimens to Lab Y in Year 1. In this case, you would send 20 blind specimens to Lab X and 10 to Lab Y in Year 1. The even distribution requirement would apply in a similar way to that described in Example 1.

Example 3 to Paragraph (b). Same as Example 2, except that you also send 20 specimens to Lab Z. In this case, you would send blind specimens to Labs X and Y as in Example 2. You would not have to send any blind specimens to Lab Z, because you sent fewer than 100 specimens to Lab Z.

Example 4 to Paragraph (b). You are a C/TPA sending 2000 specimens to Lab X in Year 1. These 2000 specimens represent 200 small employers who have an average of 10 covered employees each. In this case you—not the individual employers—send 20 blind specimens to Lab X in Year 1, again ensuring even distribution. The individual employers you represent are not required to provide any blind specimens on their own.

Example 5 to Paragraph (b). You are a large C/TPA that sends 40,000 specimens to Lab Y in Year 1. One percent of that figure is 400. However, the 50 blind specimen per quarter "cap" means that you need send only 50

blind specimens per quarter, rather than the 100 per quarter you would have to send to meet the one percent rate. Your annual total would be 200, rather than 400, blind specimens.

(c) Approximately 75 percent of the specimens you submit must be blank (*i.e.*, containing no drugs, nor adulterated or substituted). Approximately 15 percent must be positive for one or more of the five drugs involved in DOT tests, and approximately 10 percent must either be adulterated with a substance cited in HHS guidance or substituted (*i.e.*, having specific gravity and creatinine meeting the criteria of § 40.93(b)).

(1) The blind specimens that you submit that contain drugs, that are adulterated with a substance cited in HHS guidance, or that are substituted must be validated as to their contents by the supplier using initial and confirmatory tests.

(2) The supplier must provide information regarding the shelf life of the blind specimens.

(3) If the blind specimen is drug positive, the concentration of drug it contains must be between 1.5 and 2 times the initial drug test cutoff concentration.

(4) If the blind specimen is adulterated with nitrite, the concentration of nitrite it contains must be between 1.5 and 2 times the initial validity test cutoff concentration.

(5) If the blind specimen is adulterated by altering pH, the pH must be less than or equal to 2, or greater than or equal to 12.

(6) If the blind specimen is substituted, the creatinine must be less than or equal to 2, and the specific gravity must be 1.000.

(d) You must ensure that each blind specimen is indistinguishable to the laboratory from a normal specimen.

(1) You must submit blind specimens to the laboratory using the same channels (*e.g.*, via a regular collection site) through which employees' specimens are sent to the laboratory.

(2) You must ensure that the collector uses a CCF, places fictional initials on the specimen bottle label/seal, indicates for the MRO on Copy 2 that the specimen is a blind specimen, and

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discards Copies 4 and 5 (employer and employee copies).

(3) You must ensure that all blind specimens include split specimens.

§ 40.105 What happens if the laboratory reports a result different from that expected for a blind specimen?

(a) If you are an employer, MRO, or C/TPA who submits a blind specimen, and if the result reported to the MRO is different from the result expected, you must investigate the discrepancy.

(b) If the unexpected result is a false negative, you must provide the laboratory with the expected results (obtained from the supplier of the blind specimen), and direct the laboratory to determine the reason for the discrepancy.

(c) If the unexpected result is a false positive, you must provide the laboratory with the expected results (obtained from the supplier of the blind specimen), and direct the laboratory to determine the reason for the discrepancy. You must also notify ODAPC of the discrepancy by telephone (202-366-3784) or e-mail (addresses are listed on the ODAPC web site, <http://www.dot.gov/ost/dapc>). ODAPC will notify HHS who will take appropriate action.

§ 40.107 Who may inspect laboratories?

As a laboratory, you must permit an inspection, with or without prior notice, by ODAPC, a DOT agency, or a DOT-regulated employer that contracts with the laboratory for drug testing under the DOT drug testing program, or the designee of such an employer.

§ 40.109 What documentation must the laboratory keep, and for how long?

(a) As a laboratory, you must retain all records pertaining to each employee urine specimen for a minimum of two years.

(b) As a laboratory, you must also keep for two years employer-specific data required in § 40.111.

(c) Within the two-year period, the MRO, the employee, the employer, or a DOT agency may request in writing that you retain the records for an additional period of time (*e.g.*, for the purpose of preserving evidence for litigation or a safety investigation). If you

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receive such a request, you must comply with it. If you do not receive such a request, you may discard the records at the end of the two-year period.

§ 40.111 When and how must a laboratory disclose statistical summaries and other information it maintains?

(a) As a laboratory, you must transmit an aggregate statistical summary, by employer, of the data listed in Appendix B to this part to the employer on a semi-annual basis.

(1) The summary must not reveal the identity of any employee.

(2) In order to avoid sending data from which it is likely that information about an employee's test result can be readily inferred, you must not send a summary if the employer has fewer than five aggregate tests results.

(3) The summary must be sent by January 20 of each year for July 1 through December 31 of the prior year.

(4) The summary must also be sent by July 20 of each year for January 1 through June 30 of the current year.

(b) When the employer requests a summary in response to an inspection, audit, or review by a DOT agency, you must provide it unless the employer had fewer than five aggregate test results. In that case, you must send the employer a report indicating that not enough testing was conducted to warrant a summary. You may transmit the summary or report by hard copy, fax, or other electronic means.

(c) You must also release information to appropriate parties as provided in §§ 40.329 and 40.331.

§ 40.113 Where is other information concerning laboratories found in this regulation?

You can find more information concerning laboratories in several sections of this part:

§ 40.3—Definition.

§ 40.13—Prohibition on making specimens available for other purposes.

§ 40.31—Conflicts of interest concerning collectors.

§ 40.47—Laboratory rejections of test for improper form.

§ 40.125—Conflicts of interest concerning MROs.

§ 40.175—Role of first laboratory in split specimen tests.

- § 40.177—Role of second laboratory in split specimen tests (drugs).
- § 40.179—Role of second laboratory in split specimen tests (adulterants).
- § 40.181—Role of second laboratory in split specimen tests (substitution).
- §§ 40.183–40.185—Transmission of split specimen test results to MRO.
- §§ 40.201–40.205—Role in correcting errors.
- § 40.329—Release of information to employees.
- § 40.331—Limits on release of information.
- § 40.355—Role with respect to other service agents.

Subpart G—Medical Review Officers and the Verification Process

§ 40.121 Who is qualified to act as an MRO?

To be qualified to act as an MRO in the DOT drug testing program, you must meet each of the requirements of this section:

(a) *Credentials.* You must be a licensed physician (Doctor of Medicine or Osteopathy). If you are a licensed physician in any U.S., Canadian, or Mexican jurisdiction and meet the other requirements of this section, you are authorized to perform MRO services with respect to all covered employees, wherever they are located. For example, if you are licensed as an M.D. in one state or province in the U.S., Canada, or Mexico, you are not limited to performing MRO functions in that state or province, and you may perform MRO functions for employees in other states or provinces without becoming licensed to practice medicine in the other jurisdictions.

(b) *Basic knowledge.* You must be knowledgeable in the following areas:

(1) You must be knowledgeable about and have clinical experience in controlled substances abuse disorders, including detailed knowledge of alternative medical explanations for laboratory confirmed drug test results.

(2) You must be knowledgeable about issues relating to adulterated and substituted specimens as well as the possible medical causes of specimens having an invalid result.

(3) You must be knowledgeable about this part, the DOT MRO Guidelines, and the DOT agency regulations applicable to the employers for whom you

evaluate drug test results, and you must keep current on any changes to these materials. The DOT MRO Guidelines document is available from ODAPC (Department of Transportation, 400 7th Street, SW., Room 10403, Washington, DC 20590, 202-366-3784, or on the ODAPC web site (<http://www.dot.gov/ost/dapc>)).

(c) *Qualification training.* You must receive qualification training meeting the requirements of this paragraph (c).

(1) Qualification training must provide instruction on the following subjects:

(i) Collection procedures for urine specimens;

(ii) Chain of custody, reporting, and recordkeeping;

(iii) Interpretation of drug and validity tests results;

(iv) The role and responsibilities of the MRO in the DOT drug testing program;

(v) The interaction with other participants in the program (*e.g.*, DERs, SAPs); and

(vi) Provisions of this part and DOT agency rules applying to employers for whom you review test results, including changes and updates to this part and DOT agency rules, guidance, interpretations, and policies affecting the performance of MRO functions, as well as issues that MROs confront in carrying out their duties under this part and DOT agency rules.

(2) Following your completion of qualification training under paragraph (c)(1) of this section, you must satisfactorily complete an examination administered by a nationally-recognized MRO certification board or subspecialty board for medical practitioners in the field of medical review of DOT-mandated drug tests. The examination must comprehensively cover all the elements of qualification training listed in paragraph (c)(1) of this section.

(3) The following is the schedule for qualification training you must meet:

(i) If you became an MRO before August 1, 2001, and have already met the qualification training requirement, you do not have to meet it again.

(ii) If you became an MRO before August 1, 2001, but have not yet met the qualification training requirement,

you must do so no later than January 31, 2003.

(iii) If you become an MRO on or after August 1, 2001, you must meet the qualification training requirement before you begin to perform MRO functions.

(d) *Continuing Education.* During each three-year period from the date on which you satisfactorily complete the examination under paragraph (c)(2) of this section, you must complete continuing education consisting of at least 12 professional development hours (e.g., Continuing Education Medical Units) relevant to performing MRO functions.

(1) This continuing education must include material concerning new technologies, interpretations, recent guidance, rule changes, and other information about developments in MRO practice, pertaining to the DOT program, since the time you met the qualification training requirements of this section.

(2) Your continuing education activities must include assessment tools to assist you in determining whether you have adequately learned the material.

(3) If you are an MRO who completed the qualification training and examination requirements prior to August 1, 2001, you must complete your first increment of 12 CEU hours before August 1, 2004.

(e) *Documentation.* You must maintain documentation showing that you currently meet all requirements of this section. You must provide this documentation on request to DOT agency representatives and to employers and C/TPAs who are using or negotiating to use your services.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41951, Aug. 9, 2001]

§ 40.123 What are the MRO’s responsibilities in the DOT drug testing program?

As an MRO, you have the following basic responsibilities:

(a) Acting as an independent and impartial “gatekeeper” and advocate for the accuracy and integrity of the drug testing process.

(b) Providing a quality assurance review of the drug testing process for the specimens under your purview. This includes, but is not limited to:

(1) Ensuring the review of the CCF on all specimen collections for the purposes of determining whether there is a problem that may cause a test to be cancelled (see §§ 40.199–40.203). As an MRO, you are not required to review laboratory internal chain of custody documentation. No one is permitted to cancel a test because you have not reviewed this documentation;

(2) Providing feedback to employers, collection sites and laboratories regarding performance issues where necessary; and

(3) Reporting to and consulting with the ODAPC or a relevant DOT agency when you wish DOT assistance in resolving any program issue. As an employer or service agent, you are prohibited from limiting or attempting to limit the MRO’s access to DOT for this purpose and from retaliating in any way against an MRO for discussing drug testing issues with DOT.

(c) You must determine whether there is a legitimate medical explanation for confirmed positive, adulterated, substituted, and invalid drug tests results from the laboratory.

(d) While you provide medical review of employees’ test results, this part does not deem that you have established a doctor-patient relationship with the employees whose tests you review.

(e) You must act to investigate and correct problems where possible and notify appropriate parties (e.g., HHS, DOT, employers, service agents) where assistance is needed, (e.g., cancelled or problematic tests, incorrect results, problems with blind specimens).

(f) You must ensure the timely flow of test results and other information to employers.

(g) You must protect the confidentiality of the drug testing information.

(h) You must perform all your functions in compliance with this part and other DOT agency regulations.

§ 40.125 What relationship may an MRO have with a laboratory?

As an MRO, you may not enter into any relationship with an employer’s laboratory that creates a conflict of interest or the appearance of a conflict of interest with your responsibilities to that employer. You may not derive any

financial benefit by having an employer use a specific laboratory. For examples of relationships between laboratories and MROs that the Department views as creating a conflict of interest or the appearance of such a conflict, see § 40.101(b).

§ 40.127 What are the MRO's functions in reviewing negative test results?

As the MRO, you must do the following with respect to negative drug test results you receive from a laboratory, prior to verifying the result and releasing it to the DER:

(a) Review Copy 2 of the CCF to determine if there are any fatal or correctable errors that may require you to initiate corrective action or to cancel the test (see §§ 40.199 and 40.203).

(b) Review the negative laboratory test result and ensure that it is consistent with the information contained on the CCF.

(c) Before you report a negative test result, you must have in your possession the following documents:

(1) Copy 2 of the CCF, a legible copy of it, or any other CCF copy containing the employee's signature; and

(2) A legible copy (fax, photocopy, image) of Copy 1 of the CCF or the electronic laboratory results report that conveys the negative laboratory test result.

(d) If the copy of the documentation provided to you by the collector or laboratory appears unclear, you must request that the collector or laboratory send you a legible copy.

(e) On Copy 2 of the CCF, place a check mark in the "Negative" box (Step 6), provide your name, and sign, initial, or stamp and date the verification statement.

(f) Report the result in a confidential manner (see §§ 40.163–40.167).

(g) Staff under your direct, personal supervision may perform the administrative functions of this section for you, but only you can cancel a test. If you cancel a laboratory-confirmed negative result, check the "Test Cancelled" box (Step 6) on Copy 2 of the CCF, make appropriate annotation in the "Remarks" line, provide your name, and sign, initial or stamp and date the verification statement.

(1) On specimen results that are reviewed by your staff, you are responsible for assuring the quality of their work.

(2) You are required to personally review at least 5 percent of all CCFs reviewed by your staff on a quarterly basis, including all results that required a corrective action. However, you need not review more than 500 negative results in any quarter.

(3) Your review must, as a minimum, include the CCF, negative laboratory test result, any accompanying corrective documents, and the report sent to the employer. You must correct any errors that you discover. You must take action as necessary to ensure compliance by your staff with this part and document your corrective action. You must attest to the quality assurance review by initialing the CCFs that you review.

(4) You must make these CCFs easily identifiable and retrievable by you for review by DOT agencies.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41951, Aug. 9, 2001]

§ 40.129 What are the MRO's functions in reviewing laboratory confirmed positive, adulterated, substituted, or invalid drug test results?

(a) As the MRO, you must do the following with respect to confirmed positive, adulterated, substituted, or invalid drug tests you receive from a laboratory, before you verify the result and release it to the DER:

(1) Review Copy 2 of the CCF to determine if there are any fatal or correctable errors that may require you to cancel the test (see §§ 40.199 and 40.203). Staff under your direct, personal supervision may conduct this administrative review for you, but only you may verify or cancel a test.

(2) Review Copy 1 of the CCF and ensure that it is consistent with the information contained on Copy 2, that the test result is legible, and that the certifying scientist signed the form. You are not required to review any other documentation generated by the laboratory during their analysis or handling of the specimen (*e.g.*, the laboratory internal chain of custody).

(3) If the copy of the documentation provided to you by the collector or laboratory appears unclear, you must request that the collector or laboratory send you a legible copy.

(4) Except in the circumstances spelled out in §40.133 , conduct a verification interview. This interview must include direct contact in person or by telephone between you and the employee. You may initiate the verification process based on the laboratory results report.

(5) Verify the test result as either negative, positive, test cancelled, or refusal to test because of adulteration or substitution, consistent with the requirements of §§ 40.135–40.145 and 40.159 .

(b) Before you report a verified negative, positive, test cancelled, refusal to test because of adulteration or substitution, you must have in your possession the following documents:

(1) Copy 2 of the CCF, a legible copy of it, or any other CCF copy containing the employee’s signature; and

(2) A legible copy (fax, photocopy, image) of Copy 1 of the CCF, containing the certifying scientist’s signature.

(c) With respect to verified positive test results, place a check mark in the “Positive” box (Step 6) on Copy 2 of the CCF, indicate the drug(s)/ metabolite(s) detected on the “Remarks” line, sign and date the verification statement.

(d) If you cancel a laboratory confirmed positive, adulterated, substituted, or invalid drug test report, check the “test cancelled” box (Step 6) on Copy 2 of the CCF, make appropriate annotation in the “Remarks” line, sign, provide your name, and date the verification statement.

(e) Report the result in a confidential manner (see §§ 40.163–40.167).

(f) With respect to adulteration or substitution test results, check the “refusal to test because:” box (Step 6) on Copy 2 of the CCF, check the “Adulterated” or “Substituted” box, as appropriate, make appropriate annotation in the “Remarks” line, sign and date the verification statement.

(g) As the MRO, your actions concerning reporting confirmed positive, adulterated, or substituted results to the employer before you have com-

pleted the verification process are also governed by the stand-down provisions of § 40.21 .

(1) If an employer has a stand-down policy that meets the requirements of §40.21 , you may report to the DER that you have received an employee’s laboratory confirmed positive, adulterated, or substituted test result, consistent with the terms of the waiver the employer received. You must not provide any further details about the test result (e.g., the name of the drug involved).

(2) If the employer does not have a stand-down policy that meets the requirements of § 40.21 , you must not inform the employer that you have received an employee’s laboratory confirmed positive, adulterated, or substituted test result until you verify the test result. For example, as an MRO employed directly by a company, you must not tell anyone on the company’s staff or management that you have received an employee’s laboratory confirmed test result.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41952, Aug. 9, 2001]

§ 40.131 How does the MRO or DER notify an employee of the verification process after a confirmed positive, adulterated, substituted, or invalid test result?

(a) When, as the MRO, you receive a confirmed positive, adulterated, substituted, or invalid test result from the laboratory, you must contact the employee directly (i.e., actually talk to the employee), on a confidential basis, to determine whether the employee wants to discuss the test result. In making this contact, you must explain to the employee that, if he or she declines to discuss the result, you will verify the test as positive or as a refusal to test because of adulteration or substitution, as applicable.

(b) As the MRO, staff under your personal supervision may conduct this initial contact for you.

(1) This staff contact must be limited to scheduling the discussion between you and the employee and explaining the consequences of the employee’s declining to speak with you (i.e., that the MRO will verify the test without input from the employee). If the employee

declines to speak with you, the staff person must document the employee's decision, including the date and time.

(2) A staff person must not gather any medical information or information concerning possible explanations for the test result.

(3) A staff person may advise an employee to have medical information (e.g., prescriptions, information forming the basis of a legitimate medical explanation for a confirmed positive test result) ready to present at the interview with the MRO.

(4) Since you are required to speak personally with the employee, face-to-face or on the phone, your staff must not inquire if the employee wishes to speak with you.

(c) As the MRO, you or your staff must make reasonable efforts to reach the employee at the day and evening telephone numbers listed on the CCF. Reasonable efforts include, as a minimum, three attempts, spaced reasonably over a 24-hour period, to reach the employee at the day and evening telephone numbers listed on the CCF. If you or your staff cannot reach the employee directly after making these efforts, you or your staff must take the following steps:

(1) Document the efforts you made to contact the employee, including dates and times. If both phone numbers are incorrect (e.g., disconnected, wrong number), you may take the actions listed in paragraph (c)(2) of this section without waiting the full 24-hour period.

(2) Contact the DER, instructing the DER to contact the employee.

(i) You must simply direct the DER to inform the employee to contact you.

(ii) You must not inform the DER that the employee has a confirmed positive, adulterated, substituted, or invalid test result.

(iii) You must document the dates and times of your attempts to contact the DER, and you must document the name of the DER you contacted and the date and time of the contact.

(d) As the DER, you must attempt to contact the employee immediately, using procedures that protect, as much as possible, the confidentiality of the MRO's request that the employee contact the MRO. If you successfully contact the employee (i.e., actually talk

to the employee), you must document the date and time of the contact, and inform the MRO. You must inform the employee that he or she should contact the MRO immediately. You must also inform the employee of the consequences of failing to contact the MRO within the next 72 hours (see § 40.133(a)(2)).

(1) As the DER, you must not inform anyone else working for the employer that you are seeking to contact the employee on behalf of the MRO.

(2) If, as the DER, you have made all reasonable efforts to contact the employee but failed to do so, you may place the employee on temporary medically unqualified status or medical leave. Reasonable efforts include, as a minimum, three attempts, spaced reasonably over a 24-hour period, to reach the employee at the day and evening telephone numbers listed on the CCF.

(i) As the DER, you must document the dates and times of these efforts.

(ii) If, as the DER, you are unable to contact the employee within this 24-hour period, you must leave a message for the employee by any practicable means (e.g., voice mail, e-mail, letter) to contact the MRO and inform the MRO of the date and time of this attempted contact.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41952, Aug. 9, 2001; 68 FR 31626, May 28, 2003; 69 FR 64867, Nov. 9, 2004]

§ 40.133 Under what circumstances may the MRO verify a test as positive, or as a refusal to test because of adulteration or substitution, without interviewing the employee?

(a) As the MRO, you normally may verify a confirmed positive test (for any drug or drug metabolite, including opiates), or as a refusal to test because of adulteration or substitution, only after interviewing the employee as provided in §§ 40.135–40.145. However, there are three circumstances in which you may verify such a result without an interview:

(1) You may verify a test result as a positive or refusal to test, as applicable, if the employee expressly declines the opportunity to discuss the test with you. You must maintain complete

documentation of this occurrence, including notation of informing, or attempting to inform, the employee of the consequences of not exercising the option to speak with the you.

(2) You may verify a test result as a positive or refusal to test, as applicable, if the DER has successfully made and documented a contact with the employee and instructed the employee to contact you and more than 72 hours have passed since the time the DER contacted the employee.

(3) You may verify a test result as a positive or refusal to test, as applicable, if neither you nor the DER, after making and documenting all reasonable efforts, has been able to contact the employee within ten days of the date on which the MRO receives the confirmed test result from the laboratory.

(b) As the MRO, when you verify a test result as a positive or refusal to test under this section, you must document the date, time and reason, following the instructions in § 40.163 .

(c) As the MRO, after you have verified a test result as a positive or refusal to test under this section and reported the result to the DER, you must allow the employee to present information to you within 60 days of the verification documenting that serious illness, injury, or other circumstances unavoidably precluded contact with the MRO and/or DER in the times provided. On the basis of such information, you may reopen the verification, allowing the employee to present information concerning whether there is a legitimate medical explanation for the confirmed test result.

§ 40.135 What does the MRO tell the employee at the beginning of the verification interview?

(a) As the MRO, you must tell the employee that the laboratory has determined that the employee's test result was positive, adulterated, substituted, or invalid, as applicable. You must also tell the employee of the drugs for which his or her specimen tested positive, or the basis for the finding of adulteration or substitution.

(b) You must explain the verification interview process to the employee and inform the employee that your decision

will be based on information the employee provides in the interview.

(c) You must explain that, if further medical evaluation is needed for the verification process, the employee must comply with your request for this evaluation and that failure to do so is equivalent of expressly declining to discuss the test result.

(d) As the MRO, you must warn an employee who has a confirmed positive, adulterated, substituted or invalid test that you are required to provide to third parties drug test result information and medical information affecting the performance of safety-sensitive duties that the employee gives you in the verification process without the employee's consent (see § 40.327).

(1) You must give this warning to the employee before obtaining any medical information as part of the verification process.

(2) For purposes of this paragraph (d), medical information includes information on medications or other substances affecting the performance of safety-sensitive duties that the employee reports using or medical conditions the employee reports having.

(3) For purposes of this paragraph (d), the persons to whom this information may be provided include the employer, a SAP evaluating the employee as part of the return to duty process (see § 40.293(g)), DOT, another Federal safety agency (e.g., the NTSB), or any state safety agency as required by state law.

(e) You must also advise the employee that, after informing any third party about any medication the employee is using pursuant to a legally valid prescription under the Controlled Substances Act, you will allow 5 days for the employee to have the prescribing physician contact you to determine if the medication can be changed to one that does not make the employee medically unqualified or does not pose a significant safety risk. If, as an MRO, you receive such information from the prescribing physician, you must transmit this information to any third party to whom you previously provided information about the safety

risks of the employee's other medication.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41952, Aug. 9, 2001]

§ 40.137 On what basis does the MRO verify test results involving marijuana, cocaine, amphetamines, or PCP?

(a) As the MRO, you must verify a confirmed positive test result for marijuana, cocaine, amphetamines, and/or PCP unless the employee presents a legitimate medical explanation for the presence of the drug(s)/metabolite(s) in his or her system.

(b) You must offer the employee an opportunity to present a legitimate medical explanation in all cases.

(c) The employee has the burden of proof that a legitimate medical explanation exists. The employee must present information meeting this burden at the time of the verification interview. As the MRO, you have discretion to extend the time available to the employee for this purpose for up to five days before verifying the test result, if you determine that there is a reasonable basis to believe that the employee will be able to produce relevant evidence concerning a legitimate medical explanation within that time.

(d) If you determine that there is a legitimate medical explanation, you must verify the test result as negative. Otherwise, you must verify the test result as positive.

(e) In determining whether a legitimate medical explanation exists, you may consider the employee's use of a medication from a foreign country. You must exercise your professional judgment consistently with the following principles:

(1) There can be a legitimate medical explanation only with respect to a substance that is obtained legally in a foreign country.

(2) There can be a legitimate medical explanation only with respect to a substance that has a legitimate medical use. Use of a drug of abuse (e.g., heroin, PCP, marijuana) or any other substance (see § 40.151(f) and (g)) that cannot be viewed as having a legitimate medical use can never be the basis for a legitimate medical explanation, even

if the substance is obtained legally in a foreign country.

(3) Use of the substance can form the basis of a legitimate medical explanation only if it is used consistently with its proper and intended medical purpose.

(4) Even if you find that there is a legitimate medical explanation under this paragraph (e) and verify a test negative, you may have a responsibility to raise fitness-for-duty considerations with the employer (see § 40.327).

§ 40.139 On what basis does the MRO verify test results involving opiates?

As the MRO, you must proceed as follows when you receive a laboratory confirmed positive opiate result:

(a) If the laboratory detects the presence of 6-acetylmorphine (6-AM) in the specimen, you must verify the test result positive.

(b) In the absence of 6-AM, if the laboratory detects the presence of either morphine or codeine at 15,000 ng/mL or above, you must verify the test result positive unless the employee presents a legitimate medical explanation for the presence of the drug or drug metabolite in his or her system, as in the case of other drugs (see § 40.137). Consumption of food products (e.g., poppy seeds) must not be considered a legitimate medical explanation for the employee having morphine or codeine at these concentrations.

(c) For all other opiate positive results, you must verify a confirmed positive test result for opiates only if you determine that there is clinical evidence, in addition to the urine test, of unauthorized use of any opium, opiate, or opium derivative (i.e., morphine, heroin, or codeine).

(1) As an MRO, it is your responsibility to use your best professional and ethical judgement and discretion to determine whether there is clinical evidence of unauthorized use of opiates. Examples of information that you may consider in making this judgement include, but are not limited to, the following:

(i) Recent needle tracks;

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(ii) Behavioral and psychological signs of acute opiate intoxication or withdrawal;

(iii) Clinical history of unauthorized use recent enough to have produced the laboratory test result;

(iv) Use of a medication from a foreign country. See § 40.137(e) for guidance on how to make this determination.

(2) In order to establish the clinical evidence referenced in paragraphs (c)(1)(i) and (ii) of this section, personal observation of the employee is essential.

(i) Therefore, you, as the MRO, must conduct, or cause another physician to conduct, a face-to-face examination of the employee.

(ii) No face-to-face examination is needed in establishing the clinical evidence referenced in paragraph (c)(1)(iii) or (iv) of this section.

(3) To be the basis of a verified positive result for opiates, the clinical evidence you find must concern a drug that the laboratory found in the specimen. (For example, if the test confirmed the presence of codeine, and the employee admits to unauthorized use of hydrocodone, you do not have grounds for verifying the test positive. The admission must be for the substance that was found).

(4) As the MRO, you have the burden of establishing that there is clinical evidence of unauthorized use of opiates referenced in this paragraph (c). If you cannot make this determination (*e.g.*, there is not sufficient clinical evidence or history), you must verify the test as negative. The employee does not need to show you that a legitimate medical explanation exists if no clinical evidence is established.

§ 40.141 How does the MRO obtain information for the verification decision?

As the MRO, you must do the following as you make the determinations needed for a verification decision:

(a) You must conduct a medical interview. You must review the employee's medical history and any other relevant biomedical factors presented to you by the employee. You may direct the employee to undergo further

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medical evaluation by you or another physician.

(b) If the employee asserts that the presence of a drug or drug metabolite in his or her specimen results from taking prescription medication, you must review and take all reasonable and necessary steps to verify the authenticity of all medical records the employee provides. You may contact the employee's physician or other relevant medical personnel for further information.

§ 40.143 [Reserved]

§ 40.145 On what basis does the MRO verify test results involving adulteration or substitution?

(a) As an MRO, when you receive a laboratory report that a specimen is adulterated or substituted, you must treat that report in the same way you treat the laboratory's report of a confirmed positive for a drug or drug metabolite.

(b) You must follow the same procedures used for verification of a confirmed positive test for a drug or drug metabolite (see §§ 40.129-40.135, 40.141, 40.151), except as otherwise provided in this section.

(c) In the verification interview, you must explain the laboratory findings to the employee and address technical questions or issues the employee may raise.

(d) You must offer the employee the opportunity to present a legitimate medical explanation for the laboratory findings with respect to presence of the adulterant in, or the creatinine and specific gravity findings for, the specimen.

(e) The employee has the burden of proof that there is a legitimate medical explanation.

(1) To meet this burden in the case of an adulterated specimen, the employee must demonstrate that the adulterant found by the laboratory entered the specimen through physiological means.

(2) To meet this burden in the case of a substituted specimen, the employee must demonstrate that he or she did produce or could have produced urine through physiological means, meeting the creatinine concentration criterion of less than 2 mg/dL and the specific gravity criteria of less than or equal to

1.0010 or greater than or equal to 1.0200 (see § 40.93(b)).

(3) The employee must present information meeting this burden at the time of the verification interview. As the MRO, you have discretion to extend the time available to the employee for this purpose for up to five days before verifying the specimen, if you determine that there is a reasonable basis to believe that the employee will be able to produce relevant evidence supporting a legitimate medical explanation within that time.

(f) As the MRO or the employer, you are not responsible for arranging, conducting, or paying for any studies, examinations or analyses to determine whether a legitimate medical explanation exists.

(g) As the MRO, you must exercise your best professional judgment in deciding whether the employee has established a legitimate medical explanation.

(1) If you determine that the employee's explanation does not present a reasonable basis for concluding that there may be a legitimate medical explanation, you must report the test to the DER as a verified refusal to test because of adulteration or substitution, as applicable.

(2) If you believe that the employee's explanation may present a reasonable basis for concluding that there is a legitimate medical explanation, you must direct the employee to obtain, within the five-day period set forth in paragraph (e)(3) of this section, a further medical evaluation. This evaluation must be performed by a licensed physician (the "referral physician"), acceptable to you, with expertise in the medical issues raised by the employee's explanation. (The MRO may perform this evaluation if the MRO has appropriate expertise.)

(i) As the MRO or employer, you are not responsible for finding or paying a referral physician. However, on request of the employee, you must provide reasonable assistance to the employee's efforts to find such a physician. The final choice of the referral physician is the employee's, as long as the physician is acceptable to you.

(ii) As the MRO, you must consult with the referral physician, providing

guidance to him or her concerning his or her responsibilities under this section. As part of this consultation, you must provide the following information to the referral physician:

(A) That the employee was required to take a DOT drug test, but the laboratory reported that the specimen was adulterated or substituted, which is treated as a refusal to test;

(B) The consequences of the appropriate DOT agency regulation for refusing to take the required drug test;

(C) That the referral physician must agree to follow the requirements of paragraphs (g)(3) through (g)(4) of this section; and

(D) That the referral physician must provide you with a signed statement of his or her recommendations.

(3) As the referral physician, you must evaluate the employee and consider any evidence the employee presents concerning the employee's medical explanation. You may conduct additional tests to determine whether there is a legitimate medical explanation. Any additional urine tests must be performed in an HHS-certified laboratory.

(4) As the referral physician, you must then make a written recommendation to the MRO about whether the MRO should determine that there is a legitimate medical explanation. As the MRO, you must seriously consider and assess the referral physician's recommendation in deciding whether there is a legitimate medical explanation.

(5) As the MRO, if you determine that there is a legitimate medical explanation, you must cancel the test and inform ODAPC in writing of the determination and the basis for it (*e.g.*, referral physician's findings, evidence produced by the employee).

(6) As the MRO, if you determine that there is not a legitimate medical explanation, you must report the test to the DER as a verified refusal to test because of adulteration or substitution.

(h) The following are examples of types of evidence an employee could present to support an assertion of a legitimate medical explanation for a substituted result.

(1) Medically valid evidence demonstrating that the employee is capable of physiologically producing urine meeting the creatinine and specific gravity criteria of § 40.93(b) .

(i) To be regarded as medically valid, the evidence must have been gathered using appropriate methodology and controls to ensure its accuracy and reliability.

(ii) Assertion by the employee that his or her personal characteristics (*e.g.*, with respect to race, gender, weight, diet, working conditions) are responsible for the substituted result does not, in itself, constitute a legitimate medical explanation. To make a case that there is a legitimate medical explanation, the employee must present evidence showing that the cited personal characteristics actually result in the physiological production of urine meeting the creatinine and specific gravity criteria of § 40.93(b) .

(2) Information from a medical evaluation under paragraph (g) of this section that the individual has a medical condition that has been demonstrated to cause the employee to physiologically produce urine meeting the creatinine and specific gravity criteria of § 40.93(b) .

(i) A finding or diagnosis by the physician that an employee has a medical condition, in itself, does not constitute a legitimate medical explanation.

(ii) To establish there is a legitimate medical explanation, the employee must demonstrate that the cited medical condition actually results in the physiological production of urine meeting the creatinine and specific gravity criteria of § 40.93(b) .

[65 FR 79526, Dec. 19, 2000, as amended at 68 FR 31626, May 28, 2003; 69 FR 64867, Nov. 9, 2004]

§ 40.147 [Reserved]

§ 40.149 May the MRO change a verified positive drug test result or refusal to test?

(a) As the MRO, you may change a verified positive or refusal to test drug test result only in the following situations:

(1) When you have reopened a verification that was done without an

interview with an employee (see § 40.133(c)).

(2) If you receive information, not available to you at the time of the original verification, demonstrating that the laboratory made an error in identifying (*e.g.*, a paperwork mistake) or testing (*e.g.*, a false positive or negative) the employee's primary or split specimen. For example, suppose the laboratory originally reported a positive test result for Employee X and a negative result for Employee Y. You verified the test results as reported to you. Then the laboratory notifies you that it mixed up the two test results, and X was really negative and Y was really positive. You would change X's test result from positive to negative and contact Y to conduct a verification interview.

(3) If, within 60 days of the original verification decision—

(i) You receive information that could not reasonably have been provided to you at the time of the decision demonstrating that there is a legitimate medical explanation for the presence of drug(s)/metabolite(s) in the employee's specimen; or

(ii) You receive credible new or additional evidence that a legitimate medical explanation for an adulterated or substituted result exists.

Example to Paragraph (a)(3): If the employee's physician provides you a valid prescription that he or she failed to find at the time of the original verification, you may change the test result from positive to negative if you conclude that the prescription provides a legitimate medical explanation for the drug(s)/ metabolite(s) in the employee's specimen.

(4) If you receive the information in paragraph (a)(3) of this section after the 60-day period, you must consult with ODAPC prior to changing the result.

(5) When you have made an administrative error and reported an incorrect result.

(b) If you change the result, you must immediately notify the DER in writing, as provided in §§ 40.163-40.165.

(c) You are the only person permitted to change a verified test result, such as a verified positive test result or a determination that an individual has refused to test because of adulteration or

substitution. This is because, as the MRO, you have the sole authority under this part to make medical determinations leading to a verified test (e.g., a determination that there was or was not a legitimate medical explanation for a laboratory test result). For example, an arbitrator is not permitted to overturn the medical judgment of the MRO that the employee failed to present a legitimate medical explanation for a positive, adulterated, or substituted test result of his or her specimen.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41952, Aug. 9, 2001]

§ 40.151 What are MROs prohibited from doing as part of the verification process?

As an MRO, you are prohibited from doing the following as part of the verification process:

(a) You must not consider any evidence from tests of urine samples or other body fluids or tissues (e.g., blood or hair samples) that are not collected or tested in accordance with this part. For example, if an employee tells you he went to his own physician, provided a urine specimen, sent it to a laboratory, and received a negative test result or a DNA test result questioning the identity of his DOT specimen, you are required to ignore this test result.

(b) It is not your function to make decisions about factual disputes between the employee and the collector concerning matters occurring at the collection site that are not reflected on the CCF (e.g., concerning allegations that the collector left the area or left open urine containers where other people could access them).

(c) It is not your function to determine whether the employer should have directed that a test occur. For example, if an employee tells you that the employer misidentified her as the subject of a random test, or directed her to take a reasonable suspicion or post-accident test without proper grounds under a DOT agency drug or alcohol regulation, you must inform the employee that you cannot play a role in deciding these issues.

(d) It is not your function to consider explanations of confirmed positive, adulterated, or substituted test results

that would not, even if true, constitute a legitimate medical explanation. For example, an employee may tell you that someone slipped amphetamines into her drink at a party, that she unknowingly ingested a marijuana brownie, or that she traveled in a closed car with several people smoking crack. MROs are unlikely to be able to verify the facts of such passive or unknowing ingestion stories. Even if true, such stories do not present a legitimate medical explanation. Consequently, you must not declare a test as negative based on an explanation of this kind.

(e) You must not verify a test negative based on information that a physician recommended that the employee use a drug listed in Schedule I of the Controlled Substances Act. (e.g., under a state law that purports to authorize such recommendations, such as the "medical marijuana" laws that some states have adopted).

(f) You must not accept an assertion of consumption or other use of a hemp or other non-prescription marijuana-related product as a basis for verifying a marijuana test negative. You also must not accept such an explanation related to consumption of coca teas as a basis for verifying a cocaine test result as negative. Consuming or using such a product is not a legitimate medical explanation.

(g) You must not accept an assertion that there is a legitimate medical explanation for the presence of PCP or 6-AM in a specimen. There are no legitimate medical explanations for the presence of these substances.

(h) You must not accept, as a legitimate medical explanation for an adulterated specimen, an assertion that soap, bleach, or glutaraldehyde entered a specimen through physiological means. There are no physiological means through which these substances can enter a specimen.

(i) You must not accept, as a legitimate medical explanation for a substituted specimen, an assertion that an

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employee can produce urine with no detectable creatinine. There are no physiological means through which a person can produce a urine specimen having this characteristic.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41952, Aug. 9, 2001]

§ 40.153 How does the MRO notify employees of their right to a test of the split specimen?

(a) As the MRO, when you have verified a drug test as positive for a drug or drug metabolite, or as a refusal to test because of adulteration or substitution, you must notify the employee of his or her right to have the split specimen tested. You must also notify the employee of the procedures for requesting a test of the split specimen.

(b) You must inform the employee that he or she has 72 hours from the time you provide this notification to him or her to request a test of the split specimen.

(c) You must tell the employee how to contact you to make this request. You must provide telephone numbers or other information that will allow the employee to make this request. As the MRO, you must have the ability to receive the employee's calls at all times during the 72 hour period (*e.g.*, by use of an answering machine with a "time stamp" feature when there is no one in your office to answer the phone).

(d) You must tell the employee that if he or she makes this request within 72 hours, the employer must ensure that the test takes place, and that the employee is not required to pay for the test from his or her own funds before the test takes place. You must also tell the employee that the employer may seek reimbursement for the cost of the test (see § 40.173).

(e) You must tell the employee that additional tests of the specimen (*e.g.*, DNA tests) are not authorized.

§ 40.155 What does the MRO do when a negative or positive test result is also dilute?

(a) When the laboratory reports that a specimen is dilute, you must, as the MRO, report to the DER that the specimen, in addition to being negative or positive, is dilute.

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(b) You must check the "dilute" box (Step 6) on Copy 2 of the CCF.

(c) When you report a dilute specimen to the DER, you must explain to the DER the employer's obligations and choices under § 40.197, to include the requirement for an immediate recollection under direct observation if the creatinine concentration of a negative-dilute specimen was greater than or equal to 2mg/dL but less than or equal to 5mg/dL.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41952, Aug. 9, 2001; 68 FR 31626, May 28, 2003; 69 FR 64867, Nov. 9, 2004]

§ 40.157 [Reserved]

§ 40.159 What does the MRO do when a drug test result is invalid?

(a) As the MRO, when the laboratory reports that the test result is an invalid result, you must do the following:

(1) Discuss the laboratory results with a certifying scientist to obtain more specific information.

(2) Contact the employee and inform the employee that the specimen was invalid or contained an unexplained interfering substance. In contacting the employee, use the procedures set forth in § 40.131.

(3) After explaining the limits of disclosure (see §§ 40.135(d) and 40.327), you should inquire as to medications the employee may have taken that may interfere with some immunoassay tests.

(4) If the employee gives an explanation that is acceptable, you must:

(i) Place a check mark in the "Test Cancelled" box (Step 6) on Copy 2 of the CCF and enter "Invalid Result" and "direct observation collection not required" on the "Remarks" line.

(ii) Report to the DER that the test is cancelled, the reason for cancellation, and that no further action is required unless a negative test result is required (*i.e.*, pre-employment, return-to-duty, or follow-up tests).

(5) If the employee is unable to provide an explanation and/or a valid prescription for a medication that interfered with the immunoassay test but denies having adulterated the specimen, you must:

(i) Place a check mark in the "Test Cancelled" box (Step 6) on Copy 2 of

the CCF and enter "Invalid Result" and "direct observation collection required" on the "Remarks" line.

(ii) Report to the DER that the test is cancelled, the reason for cancellation, and that a second collection must take place immediately under direct observation.

(iii) Instruct the employer to ensure that the employee has the minimum possible advance notice that he or she must go to the collection site.

(b) You may only report an invalid test result when you are in possession of a legible copy of Copy 1 of the CCF. In addition, you must have Copy 2 of the CCF, a legible copy of it, or any other copy of the CCF containing the employee's signature.

(c) If the employee admits to having adulterated or substituted the specimen, you must, on the same day, write and sign your own statement of what the employee told you. You must then report a refusal to test in accordance with § 40.163 .

§ 40.161 What does the MRO do when a drug test specimen is rejected for testing?

As the MRO, when the laboratory reports that the specimen is rejected for testing (*e.g.*, because of a fatal or uncorrected flaw), you must do the following:

(a) Place a check mark in the "Test Cancelled" box (Step 6) on Copy 2 of the CCF and enter the reason on the "Remarks" line.

(b) Report to the DER that the test is cancelled and the reason for cancellation, and that no further action is required unless a negative test is required (*e.g.*, in the case of a pre-employment, return-to-duty, or follow-up test).

(c) You may only report a test cancelled because of a rejected for testing test result when you are in possession of a legible copy of Copy 1 of the CCF. In addition, you must have Copy 2 of the CCF, a legible copy of it, or any other copy of the CCF containing the employee's signature.

§ 40.163 How does the MRO report drug test results?

(a) As the MRO, it is your responsibility to report all drug test results to the employer.

(b) You may use a signed or stamped and dated legible photocopy of Copy 2 of the CCF to report test results.

(c) If you do not report test results using Copy 2 of the CCF for this purpose, you must provide a written report (*e.g.*, a letter) for each test result. This report must, as a minimum, include the following information:

(1) Full name, as indicated on the CCF, of the employee tested;

(2) Specimen ID number from the CCF and the donor SSN or employee ID number;

(3) Reason for the test, if indicated on the CCF (*e.g.*, random, post-accident);

(4) Date of the collection;

(5) Date you received Copy 2 of the CCF;

(6) Result of the test (*i.e.*, positive, negative, dilute, refusal to test, test cancelled) and the date the result was verified by the MRO;

(7) For verified positive tests, the drug(s)/metabolite(s) for which the test was positive;

(8) For cancelled tests, the reason for cancellation; and

(9) For refusals to test, the reason for the refusal determination (*e.g.*, in the case of an adulterated test result, the name of the adulterant).

(d) As an exception to the reporting requirements of paragraph (b) and (c) of this section, the MRO may report negative results using an electronic data file.

(1) If you report negatives using an electronic data file, the report must contain, as a minimum, the information specified in paragraph (c) of this section, as applicable for negative test results.

(2) In addition, the report must contain your name, address, and phone number, the name of any person other than you reporting the results, and the date the electronic results report is released.

(e) You must retain a signed or stamped and dated copy of Copy 2 of the CCF in your records. If you do not use Copy 2 for reporting results, you

must maintain a copy of the signed or stamped and dated letter in addition to the signed or stamped and dated Copy 2. If you use the electronic data file to report negatives, you must maintain a retrievable copy of that report in a format suitable for inspection and auditing by a DOT representative.

(f) You must not use Copy 1 of the CCF to report drug test results.

(g) You must not provide quantitative values to the DER or C/TPA for drug or validity test results. However, you must provide the test information in your possession to a SAP who consults with you (see § 40.293(g)).

[66 FR 41952, Aug. 9, 2001]

§ 40.165 To whom does the MRO transmit reports of drug test results?

(a) As the MRO, you must report all drug test results to the DER, except in the circumstances provided for in § 40.345 .

(b) If the employer elects to receive reports of results through a C/TPA, acting as an intermediary as provided in § 40.345 , you must report the results through the designated C/TPA.

§ 40.167 How are MRO reports of drug results transmitted to the employer?

As the MRO or C/TPA who transmits drug test results to the employer, you must comply with the following requirements:

(a) You must report the results in a confidential manner.

(b) You must transmit to the DER on the same day the MRO verifies the result or the next business day all verified positive test results, results requiring an immediate collection under direct observation, adulterated or substituted specimen results, and other refusals to test.

(1) Direct telephone contact with the DER is the preferred method of immediate reporting. Follow up your phone call with appropriate documentation (see § 40.163).

(2) You are responsible for identifying yourself to the DER, and the DER must have a means to confirm your identification.

(3) The MRO's report that you transmit to the employer must contain all of the information required by § 40.163 .

(c) You must transmit the MRO's report(s) of verified tests to the DER so that the DER receives it within two days of verification by the MRO.

(1) You must fax, courier, mail, or electronically transmit a legible image or copy of either the signed or stamped and dated Copy 2 or the written report (see § 40.163(b) and (c)).

(2) Negative results reported electronically (i.e., computer data file) do not require an image of Copy 2 or the written report.

(d) In transmitting test results, you or the C/TPA and the employer must ensure the security of the transmission and limit access to any transmission, storage, or retrieval systems.

(e) MRO reports are not subject to modification or change by anyone other than the MRO, as provided in § 40.149(c).

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41953, Aug. 9, 2001]

§ 40.169 Where is other information concerning the role of MROs and the verification process found in this regulation?

You can find more information concerning the role of MROs in several sections of this part:

- § 40.3—Definition.
- §§ 40.47–40.49—Correction of form and kit errors.
- § 40.67—Role in direct observation and other atypical test situations.
- § 40.83—Laboratory handling of fatal and correctable flaws.
- § 40.97—Laboratory handling of test results and quantitative values.
- § 40.99—Authorization of longer laboratory retention of specimens.
- § 40.101—Relationship with laboratories; avoidance of conflicts of interest.
- § 40.105—Notification of discrepancies in blind specimen results.
- § 40.171—Request for test of split specimen.
- § 40.187—Action concerning split specimen test results.
- § 40.193—Role in “shy bladder” situations.
- § 40.195—Role in cancelling tests.
- §§ 40.199–40.203—Documenting errors in tests.
- § 40.327—Confidentiality and release of information.
- § 40.347—Transfer of records.
- § 40.353—Relationships with service agents.

Subpart H—Split Specimen Tests**§ 40.171 How does an employee request a test of a split specimen?**

(a) As an employee, when the MRO has notified you that you have a verified positive drug test or refusal to test because of adulteration or substitution, you have 72 hours from the time of notification to request a test of the split specimen. The request may be verbal or in writing. If you make this request to the MRO within 72 hours, you trigger the requirements of this section for a test of the split specimen.

(b)(1) If, as an employee, you have not requested a test of the split specimen within 72 hours, you may present to the MRO information documenting that serious injury, illness, lack of actual notice of the verified test result, inability to contact the MRO (*e.g.*, there was no one in the MRO's office and the answering machine was not working), or other circumstances unavoidably prevented you from making a timely request.

(2) As the MRO, if you conclude from the employee's information that there was a legitimate reason for the employee's failure to contact you within 72 hours, you must direct that the test of the split specimen take place, just as you would when there is a timely request.

(c) When the employee makes a timely request for a test of the split specimen under paragraphs (a) and (b) of this section, you must, as the MRO, immediately provide written notice to the laboratory that tested the primary specimen, directing the laboratory to forward the split specimen to a second HHS-certified laboratory. You must also document the date and time of the employee's request.

§ 40.173 Who is responsible for paying for the test of a split specimen?

(a) As the employer, you are responsible for making sure (*e.g.*, by establishing appropriate accounts with laboratories for testing split specimens) that the MRO, first laboratory, and second laboratory perform the functions noted in §§ 40.175–40.185 in a timely manner, once the employee has made a timely request for a test of the split specimen.

(b) As the employer, you must not condition your compliance with these requirements on the employee's direct payment to the MRO or laboratory or the employee's agreement to reimburse you for the costs of testing. For example, if you ask the employee to pay for some or all of the cost of testing the split specimen, and the employee is unwilling or unable to do so, you must ensure that the test takes place in a timely manner, even though this means that you pay for it.

(c) As the employer, you may seek payment or reimbursement of all or part of the cost of the split specimen from the employee (*e.g.*, through your written company policy or a collective bargaining agreement). This part takes no position on who ultimately pays the cost of the test, so long as the employer ensures that the testing is conducted as required and the results released appropriately.

§ 40.175 What steps does the first laboratory take with a split specimen?

(a) As the laboratory at which the primary and split specimen first arrive, you must check to see whether the split specimen is available for testing.

(b) If the split specimen is unavailable or appears insufficient, you must then do the following:

(1) Continue the testing process for the primary specimen as you would normally. Report the results for the primary specimen without providing the MRO information regarding the unavailable split specimen.

(2) Upon receiving a letter from the MRO instructing you to forward the split specimen to another laboratory for testing, report to the MRO that the split specimen is unavailable for testing. Provide as much information as you can about the cause of the unavailability.

(c) As the laboratory that tested the primary specimen, you are not authorized to open the split specimen under any circumstances (except when the split specimen is redesignated as provided in § 40.83).

(d) When you receive written notice from the MRO instructing you to send the split specimen to another HHS-certified laboratory, you must forward the

following items to the second laboratory:

(1) The split specimen in its original specimen bottle, with the seal intact;

(2) A copy of the MRO's written request; and

(3) A copy of Copy 1 of the CCF, which identifies the drug(s)/metabolite(s) or the validity criteria to be tested for.

(e) You must not send to the second laboratory any information about the identity of the employee. Inadvertent disclosure does not, however, cause a fatal flaw.

(f) This subpart does not prescribe who gets to decide which HHS-certified laboratory is used to test the split specimen. That decision is left to the parties involved.

§ 40.177 What does the second laboratory do with the split specimen when it is tested to reconfirm the presence of a drug or drug metabolite?

(a) As the laboratory testing the split specimen, you must test the split specimen for the drug(s)/drug metabolite(s) detected in the primary specimen.

(b) You must conduct this test without regard to the cutoff concentrations of § 40.87 .

(c) If the test fails to reconfirm the presence of the drug(s)/drug metabolite(s) that were reported positive in the primary specimen, you must conduct validity tests in an attempt to determine the reason for being unable to reconfirm the presence of the drug(s)/metabolite(s). You should conduct the same validity tests as you would conduct on a primary specimen set forth in § 40.91 .

(d) In addition, if the test fails to reconfirm the presence of the drugs/drugs metabolites or validity criteria that were reported in the primary specimen, you may transmit the specimen or an aliquot of it to another HHS-certified laboratory that will conduct another reconfirmation test.

§ 40.179 What does the second laboratory do with the split specimen when it is tested to reconfirm an adulterated test result?

As the laboratory testing the split specimen, you must test the split specimen for the adulterant detected in the

primary specimen, using the criteria of § 40.95 just as you would do for a primary specimen. The result of the primary specimen is reconfirmed if the split specimen meets these criteria.

§ 40.181 What does the second laboratory do with the split specimen when it is tested to reconfirm a substituted test result?

As the laboratory testing the split specimen, you must test the split specimen using the criteria of § 40.93(b), just as you would do for a primary specimen. The result of the primary specimen is reconfirmed if the split specimen meets these criteria.

§ 40.183 What information do laboratories report to MROs regarding split specimen results?

(a) As the laboratory responsible for testing the split specimen, you must report split specimen test results by checking the "Reconfirmed" box or the "Failed to Reconfirm" box (Step 5(b)) on Copy 1 of the CCF.

(b) If you check the "Failed to Reconfirm" box, one of the following statements must be included (as appropriate) on the "Reason" line (Step 5(b)):

(1) "Drug(s)/Drug Metabolite(s) Not Detected."

(2) "Adulterant not found within criteria."

(3) "Specimen not consistent with substitution criteria [specify creatinine, specific gravity, or both]"

(4) "Specimen not available for testing."

(c) As the laboratory certifying scientist, enter your name, sign, and date the CCF.

§ 40.185 Through what methods and to whom must a laboratory report split specimen results?

(a) As the laboratory testing the split specimen, you must report laboratory results directly, and only, to the MRO at his or her place of business. You must not report results to or through the DER or another service agent (*e.g.*, a C/TPA).

(b) You must fax, courier, mail, or electronically transmit a legible image or copy of the fully-completed Copy 1 of the CCF, which has been signed by the certifying scientist.

(c) You must transmit the laboratory result to the MRO immediately, preferably on the same day or next business day as the result is signed and released.

§ 40.187 What does the MRO do with split specimen laboratory results?

As an MRO, you must take the following actions when a laboratory reports the following results of split specimen tests:

(a) *Reconfirmed.* (1) In the case of a reconfirmed positive test for a drug or drug metabolite, report the reconfirmation to the DER and the employee.

(2) In the case of a reconfirmed adulterated or substituted result, report to the DER and the employee that the specimen was adulterated or substituted, either of which constitutes a refusal to test. Therefore, "refusal to test" is the final result.

(3) In the case of a reconfirmed substituted result, in which the creatinine concentration for the primary specimen was less than 2 mg/dL and the creatinine concentration of the split specimen is between 2 and 5 mg/dL, inclusive, report the result to the employer as "dilute" and instruct the employer to conduct an immediate recollection under direct observation.

(b) *Failed to Reconfirm: Drug(s)/Drug Metabolite(s) Not Detected.* (1) Report to the DER and the employee that both tests must be cancelled.

(2) Using the format in Appendix D to this part, inform ODAPC of the failure to reconfirm.

(c) *Failed to Reconfirm: Adulteration or Substitution (as appropriate) Criteria Not Met.* (1) Report to the DER and the employee that both tests must be cancelled.

(2) Using the format in Appendix D to this part, inform ODAPC of the failure to reconfirm.

(d) *Failed to Reconfirm: Specimen not Available for Testing.* (1) Report to the DER and the employee that both tests must be cancelled and the reason for cancellation.

(2) Direct the DER to ensure the immediate collection of another specimen from the employee under direct observation, with no notice given to the employee of this collection requirement

until immediately before the collection.

(3) Using the format in Appendix D to this part, notify ODAPC of the failure to reconfirm.

(e) *Failed to Reconfirm: Specimen Results Invalid.* (1) Report to the DER and the employee that both tests must be cancelled and the reason for cancellation.

(2) Direct the DER to ensure the immediate collection of another specimen from the employee under direct observation, with no notice given to the employee of this collection requirement until immediately before the collection.

(3) Using the format in Appendix D to this part, notify ODAPC of the failure to reconfirm.

(f) *Failed to Reconfirm: Split Specimen Adulterated.* (1) Contact the employee and inform the employee that the laboratory has determined that his or her split specimen is adulterated.

(2) Follow the procedures of § 40.145 to determine if there is a legitimate medical explanation for the laboratory finding of adulteration.

(3) If you determine that there is a legitimate medical explanation for the adulterated test result, report to the DER and the employee that the test is cancelled. Using the format in Appendix D to this part, notify ODAPC of the result.

(4) If you determine that there is not a legitimate medical explanation for the adulterated test result, take the following steps:

(i) Report the test to the DER and the employee as a verified refusal to test. Inform the employee that he or she has 72 hours to request a test of the primary specimen to determine if the adulterant found in the split specimen also is present in the primary specimen.

(ii) Except that the request is for a test of the primary specimen and is being made to the laboratory that tested the primary specimen, follow the procedures of §§ 40.153, 40.171, 40.173, 40.179, and 40.185.

(iii) As the laboratory that tests the primary specimen to reconfirm the presence of the adulterant found in the split specimen, report your result to the MRO on a photocopy (faxed,

mailed, scanned, couriered) of Copy 1 of the CCF .

(iv) If the test of the primary specimen reconfirms the adulteration finding of the split specimen, as the MRO you must report the test result as a refusal as provided in § 40.187(a)(2).

(v) If the test of the primary specimen fails to reconfirm the adulteration finding of the split specimen, as the MRO you cancel the test. Follow the procedures of paragraph (e) of this section in this situation.

(g) Enter your name, sign and date (Step 7) of Copy 2 of the CCF.

(h) Send a legible copy of Copy 2 of the CCF (or a signed and dated letter, see § 40.163) to the employer and keep a copy for your records. Transmit the document as provided in § 40.167.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41953, Aug. 9, 2001; 68 FR 31626, May 28, 2003]

§ 40.189 Where is other information concerning split specimens found in this regulation?

You can find more information concerning split specimens in several sections of this part:

- § 40.3—Definition.
 - § 40.65—Quantity of split specimen.
 - § 40.67—Directly observed test when split specimen is unavailable.
 - §§ 40.71–40.73—Collection process for split specimens.
 - § 40.83—Laboratory accessioning of split specimens.
 - § 40.99—Laboratory retention of split specimens.
 - § 40.103—Blind split specimens.
 - § 40.153—MRO notice to employees on tests of split specimen.
 - §§ 40.193 and 40.201—MRO actions on insufficient or unavailable split specimens.
- APPENDIX D TO PART 40—REPORT FORMAT FOR SPLIT SPECIMEN FAILURE TO RECONFIRM.

Subpart I—Problems in Drug Tests

§ 40.191 What is a refusal to take a DOT drug test, and what are the consequences?

(a) As an employee, you have refused to take a drug test if you:

(1) Fail to appear for any test (except a pre-employment test) within a reasonable time, as determined by the employer, consistent with applicable DOT agency regulations, after being directed to do so by the employer. This includes the failure of an employee (including an owner-operator) to appear for a test when called by a C/TPA (see § 40.61(a));

(2) *Fail to remain at the testing site until the testing process is complete; Provided,* That an employee who leaves the testing site before the testing process commences (see § 40.63 (c)) for a pre-employment test is not deemed to have refused to test;

(3) Fail to provide a urine specimen for any drug test required by this part or DOT agency regulations; *Provided,* That an employee who does not provide a urine specimen because he or she has left the testing site before the testing process commences (see § 40.63 (c)) for a pre-employment test is not deemed to have refused to test;

(4) In the case of a directly observed or monitored collection in a drug test, fail to permit the observation or monitoring of your provision of a specimen (see §§ 40.67(1) and 40.69(g));

(5) Fail to provide a sufficient amount of urine when directed, and it has been determined, through a required medical evaluation, that there was no adequate medical explanation for the failure (see § 40.193(d)(2));

(6) Fail or decline to take an additional drug test the employer or collector has directed you to take (see, for instance, § 40.197(b));

(7) Fail to undergo a medical examination or evaluation, as directed by the MRO as part of the verification process, or as directed by the DER under § 40.193(d). In the case of a pre-employment drug test, the employee is deemed to have refused to test on this basis only if the pre-employment test is conducted following a contingent offer of employment; or

(8) Fail to cooperate with any part of the testing process (*e.g.*, refuse to empty pockets when so directed by the collector, behave in a confrontational way that disrupts the collection process).

(b) As an employee, if the MRO reports that you have a verified adulterated or substituted test result, you have refused to take a drug test.

(c) As an employee, if you refuse to take a drug test, you incur the consequences specified under DOT agency

regulations for a violation of those DOT agency regulations.

(d) As a collector or an MRO, when an employee refuses to participate in the part of the testing process in which you are involved, you must terminate the portion of the testing process in which you are involved, document the refusal on the CCF (including, in the case of the collector, printing the employee's name on Copy 2 of the CCF), immediately notify the DER by any means (e.g., telephone or secure fax machine) that ensures that the refusal notification is immediately received. As a referral physician (e.g., physician evaluating a "shy bladder" condition or a claim of a legitimate medical explanation in a validity testing situation), you must notify the MRO, who in turn will notify the DER.

(1) As the collector, you must note the refusal in the "Remarks" line (Step 2), and sign and date the CCF.

(2) As the MRO, you must note the refusal by checking the "refused to test because" box (Step 6) on Copy 2 of the CCF, and add the reason on the "Remarks" line. You must then sign and date the CCF.

(e) As an employee, when you refuse to take a non-DOT test or to sign a non-DOT form, you have not refused to take a DOT test. There are no consequences under DOT agency regulations for refusing to take a non-DOT test.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41953, Aug. 9, 2001; 68 FR 31626, May 28, 2003]

§ 40.193 What happens when an employee does not provide a sufficient amount of urine for a drug test?

(a) This section prescribes procedures for situations in which an employee does not provide a sufficient amount of urine to permit a drug test (i.e., 45 mL of urine).

(b) As the collector, you must do the following:

(1) Discard the insufficient specimen, except where the insufficient specimen was out of temperature range or showed evidence of adulteration or tampering (see § 40.65(b) and (c)).

(2) Urge the employee to drink up to 40 ounces of fluid, distributed reasonably through a period of up to three

hours, or until the individual has provided a sufficient urine specimen, whichever occurs first. It is not a refusal to test if the employee declines to drink. Document on the Remarks line of the CCF (Step 2), and inform the employee of, the time at which the three-hour period begins and ends.

(3) If the employee refuses to make the attempt to provide a new urine specimen or leaves the collection site before the collection process is complete, you must discontinue the collection, note the fact on the "Remarks" line of the CCF (Step 2), and immediately notify the DER. This is a refusal to test.

(4) If the employee has not provided a sufficient specimen within three hours of the first unsuccessful attempt to provide the specimen, you must discontinue the collection, note the fact on the "Remarks" line of the CCF (Step 2), and immediately notify the DER.

(5) Send Copy 2 of the CCF to the MRO and Copy 4 to the DER. You must send or fax these copies to the MRO and DER within 24 hours or the next business day.

(c) As the DER, when the collector informs you that the employee has not provided a sufficient amount of urine (see paragraph (b)(4) of this section), you must, after consulting with the MRO, direct the employee to obtain, within five days, an evaluation from a licensed physician, acceptable to the MRO, who has expertise in the medical issues raised by the employee's failure to provide a sufficient specimen. (The MRO may perform this evaluation if the MRO has appropriate expertise.)

(1) As the MRO, if another physician will perform the evaluation, you must provide the other physician with the following information and instructions:

(i) That the employee was required to take a DOT drug test, but was unable to provide a sufficient amount of urine to complete the test;

(ii) The consequences of the appropriate DOT agency regulation for refusing to take the required drug test;

(iii) That the referral physician must agree to follow the requirements of paragraphs (d) through (g) of this section.

(2) [Reserved]

(d) As the referral physician conducting this evaluation, you must recommend that the MRO make one of the following determinations:

(1) A medical condition has, or with a high degree of probability could have, precluded the employee from providing a sufficient amount of urine. As the MRO, if you accept this recommendation, you must:

(i) Check "Test Cancelled" (Step 6) on the CCF; and

(ii) Sign and date the CCF.

(2) There is not an adequate basis for determining that a medical condition has, or with a high degree of probability could have, precluded the employee from providing a sufficient amount of urine. As the MRO, if you accept this recommendation, you must:

(i) Check "Refusal to test because" (Step 6) on the CCF and enter reason in the remarks line; and

(ii) Sign and date the CCF.

(e) For purposes of this paragraph, a medical condition includes an ascertainable physiological condition (e.g., a urinary system dysfunction) or a medically documented pre-existing psychological disorder, but does not include unsupported assertions of "situational anxiety" or dehydration.

(f) As the referral physician making the evaluation, after completing your evaluation, you must provide a written statement of your recommendations and the basis for them to the MRO. You must not include in this statement detailed information on the employee's medical condition beyond what is necessary to explain your conclusion.

(g) If, as the referral physician making this evaluation in the case of a pre-employment test, you determine that the employee's medical condition is a serious and permanent or long-term disability that is highly likely to prevent the employee from providing a sufficient amount of urine for a very long or indefinite period of time, you must set forth your determination and the reasons for it in your written statement to the MRO. As the MRO, upon receiving such a report, you must follow the requirements of §40.195, where applicable.

(h) As the MRO, you must seriously consider and assess the referral physician's recommendations in making

your determination about whether the employee has a medical condition that has, or with a high degree of probability could have, precluded the employee from providing a sufficient amount of urine. You must report your determination to the DER in writing as soon as you make it.

(i) As the employer, when you receive a report from the MRO indicating that a test is cancelled as provided in paragraph (d)(1) of this section, you take no further action with respect to the employee. The employee remains in the random testing pool.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41953, Aug. 9, 2001]

§ 40.195 What happens when an individual is unable to provide a sufficient amount of urine for a pre-employment follow-up or return-to-duty test because of a permanent or long-term medical condition?

(a) This section concerns a situation in which an employee has a medical condition that precludes him or her from providing a sufficient specimen for a pre-employment follow-up or return-to-duty test and the condition involves a permanent or long-term disability. As the MRO in this situation, you must do the following:

(1) You must determine if there is clinical evidence that the individual is an illicit drug user. You must make this determination by personally conducting, or causing to be conducted, a medical evaluation and through consultation with the employee's physician and/or the physician who conducted the evaluation under §40.193(d).

(2) If you do not personally conduct the medical evaluation, you must ensure that one is conducted by a licensed physician acceptable to you.

(3) For purposes of this section, the MRO or the physician conducting the evaluation may conduct an alternative test (e.g., blood) as part of the medically appropriate procedures in determining clinical evidence of drug use.

(b) If the medical evaluation reveals no clinical evidence of drug use, as the MRO, you must report the result to the employer as a negative test with written notations regarding results of both the evaluation conducted under

§ 40.193(d) and any further medical examination. This report must state the basis for the determination that a permanent or long-term medical condition exists, making provision of a sufficient urine specimen impossible, and for the determination that no signs and symptoms of drug use exist.

(1) Check "Negative" (Step 6) on the CCF.

(2) Sign and date the CCF.

(c) If the medical evaluation reveals clinical evidence of drug use, as the MRO, you must report the result to the employer as a cancelled test with written notations regarding results of both the evaluation conducted under § 40.193(d) and any further medical examination. This report must state that a permanent or long-term medical condition exists, making provision of a sufficient urine specimen impossible, and state the reason for the determination that signs and symptoms of drug use exist. Because this is a cancelled test, it does not serve the purposes of a negative test (*i.e.*, the employer is not authorized to allow the employee to begin or resume performing safety-sensitive functions, because a negative test is needed for that purpose).

(d) For purposes of this section, permanent or long-term medical conditions are those physiological, anatomic, or psychological abnormalities documented as being present prior to the attempted collection, and considered not amenable to correction or cure for an extended period of time, if ever.

(1) Examples would include destruction (any cause) of the glomerular filtration system leading to renal failure; unrepaired traumatic disruption of the urinary tract; or a severe psychiatric disorder focused on genito-urinary matters.

(2) Acute or temporary medical conditions, such as cystitis, urethritis or prostatitis, though they might interfere with collection for a limited period of time, cannot receive the same exceptional consideration as the permanent or long-term conditions discussed in paragraph (d)(1) of this section.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41953, Aug. 9, 2001]

§ 40.197 What happens when an employer receives a report of a dilute specimen?

(a) As the employer, if the MRO informs you that a positive drug test was dilute, you simply treat the test as a verified positive test. You must not direct the employee to take another test based on the fact that the specimen was dilute.

(b) As an employer, if the MRO informs you that a negative test was dilute, take the following action:

(1) If the MRO directs you to conduct a recollection under direct observation (*i.e.*, because the creatinine concentration of the specimen was equal to or greater than 2mg/dL, but less than or equal to 5 mg/dL (*see* § 40.155(c)), you must do so immediately.

(2) Otherwise (*i.e.*, if the creatinine concentration of the dilute specimen is greater than 5 mg/dL), you may, but are not required to, direct the employee to take another test immediately.

(i) Such recollections must not be collected under direct observation, unless there is another basis for use of direct observation (*see* § 40.67 (b) and (c)).

(ii) You must treat all employees the same for this purpose. For example, you must not retest some employees and not others. You may, however, establish different policies for different types of tests (*e.g.*, conduct retests in pre-employment situations, but not in random test situations). You must inform your employees in advance of your decisions on these matters.

(c) The following provisions apply to all tests you direct an employee to take under paragraph (b) of this section:

(1) You must ensure that the employee is given the minimum possible advance notice that he or she must go to the collection site;

(2) You must treat the result of the test you directed the employee to take under paragraph (b) of this section—and not a prior test—as the test result of record, on which you rely for purposes of this part;

(3) If the result of the test you directed the employee to take under paragraph (b) of this section is also negative and dilute, you are not permitted to make the employee take an

additional test because the result was dilute. Provided, however, that if the MRO directs you to conduct a recollection under direct observation under paragraph (b)(1) of this section, you must immediately do so.

(4) If the employee declines to take a test you directed him or her to take under paragraph (b) of this section, the employee has refused the test for purposes of this part and DOT agency regulations.

[68 FR 31626, May 28, 2003, as amended at 69 FR 64867, Nov. 9, 2004]

§ 40.199 What problems always cause a drug test to be cancelled?

(a) As the MRO, when the laboratory discovers a “fatal flaw” during its processing of incoming specimens (see §40.83), the laboratory will report to you that the specimen has been “Rejected for Testing” (with the reason stated). You must always cancel such a test.

(b) The following are “fatal flaws”:

(1) There is no printed collector’s name *and* no collector’s signature;

(2) The specimen ID numbers on the specimen bottle and the CCF do not match;

(3) The specimen bottle seal is broken or shows evidence of tampering (and a split specimen cannot be redesignated, see § 40.83(g)); and

(4) Because of leakage or other causes, there is an insufficient amount of urine in the primary specimen bottle for analysis and the specimens cannot be redesignated (see § 40.83(g)).

(c) You must report the result as provided in § 40.161 .

§ 40.201 What problems always cause a drug test to be cancelled and may result in a requirement for another collection?

As the MRO, you must cancel a drug test when a laboratory reports that any of the following problems have occurred. You must inform the DER that the test was cancelled. You must also direct the DER to ensure that an additional collection occurs immediately, if required by the applicable procedures specified in paragraphs (a) through (e) of this section.

(a) The laboratory reports an “Invalid Result.” You must follow applica-

ble procedures in §40.159 (recollection under direct observation may be required).

(b) The laboratory reports the result as “Rejected for Testing.” You must follow applicable procedures in §40.161 (a recollection may be required).

(c) The laboratory’s test of the primary specimen is positive and the split specimen is reported by the laboratory as “Failure to Reconfirm: Drug(s)/Drug Metabolite(s) Not Detected.” You must follow applicable procedures in §40.187(b) (no recollection is required in this case).

(d) The laboratory’s test result for the primary specimen is adulterated or substituted and the split specimen is reported by the laboratory as “Adulterant not found within criteria,” or “ specimen not consistent with substitution criteria, as applicable. You must follow applicable procedures in §40.187(c) (no recollection is required in this case).

(e) The laboratory’s test of the primary specimen is positive, adulterated, or substituted and the split specimen is unavailable for testing. You must follow applicable procedures in §40.187(d) (recollection under direct observation is required in this case).

(f) The examining physician has determined that there is an acceptable medical explanation of the employee’s failure to provide a sufficient amount of urine. You must follow applicable procedures in §40.193(d)(1) (no recollection is required in this case).

§ 40.203 What problems cause a drug test to be cancelled unless they are corrected?

(a) As the MRO, when a laboratory discovers a “correctable flaw” during its processing of incoming specimens (see § 40.83), the laboratory will attempt to correct it. If the laboratory is unsuccessful in this attempt, it will report to you that the specimen has been “Rejected for Testing” (with the reason stated).

(b) The following is a “correctable flaw” that laboratories must attempt to correct: The collector’s signature is omitted on the certification statement on the CCF.

(c) As the MRO, when you discover a “correctable flaw” during your review

of the CCF, you must cancel the test unless the flaw is corrected.

(d) The following are correctable flaws that you must attempt to correct:

(1) The employee's signature is omitted from the certification statement, unless the employee's failure or refusal to sign is noted on the "Remarks" line of the CCF.

(2) The certifying scientist's signature is omitted on the laboratory copy of the CCF for a positive, adulterated, substituted, or invalid test result.

(3) The collector uses a non-Federal form or an expired Federal form for the test. This flaw may be corrected through the procedure set forth in § 40.205(b)(2), provided that the collection testing process has been conducted in accordance with the procedures of this part in an HHS-certified laboratory. During the period August 1–October 31, 2001, you are not required to cancel a test because of the use of an expired Federal form. Beginning November 1, 2001, if the problem is not corrected, you must cancel the test.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41954, Aug. 9, 2001]

§ 40.205 How are drug test problems corrected?

(a) As a collector, you have the responsibility of trying to successfully complete a collection procedure for each employee.

(1) If, during or shortly after the collection process, you become aware of any event that prevents the completion of a valid test or collection (*e.g.*, a procedural or paperwork error), you must try to correct the problem promptly, if doing so is practicable. You may conduct another collection as part of this effort.

(2) If another collection is necessary, you must begin the new collection procedure as soon as possible, using a new CCF and a new collection kit.

(b) If, as a collector, laboratory, MRO, employer, or other person implementing these drug testing regulations, you become aware of a problem that can be corrected (see § 40.203), but which has not already been corrected under paragraph (a) of this section, you must take all practicable action to cor-

rect the problem so that the test is not cancelled.

(1) If the problem resulted from the omission of required information, you must, as the person responsible for providing that information, supply in writing the missing information and a statement that it is true and accurate. For example, suppose you are a collector, and you forgot to make a notation on the "Remarks" line of the CCF that the employee did not sign the certification. You would, when the problem is called to your attention, supply a signed statement that the employee failed or refused to sign the certification and that your statement is true and accurate. You must supply this information on the same business day on which you are notified of the problem, transmitting it by fax or courier.

(2) If the problem is the use of a non-Federal form or an expired Federal form, you must provide a signed statement (*i.e.*, a memorandum for the record). It must state that the incorrect form contains all the information needed for a valid DOT drug test, and that the incorrect form was used inadvertently or as the only means of conducting a test, in circumstances beyond your control. The statement must also list the steps you have taken to prevent future use of non-Federal forms or expired Federal forms for DOT tests. For this flaw to be corrected, the test of the specimen must have occurred at a HHS-certified laboratory where it was tested consistent with the requirements of this part. You must supply this information on the same business day on which you are notified of the problem, transmitting it by fax or courier.

(3) You must maintain the written documentation of a correction with the CCF.

(4) You must mark the CCF in such a way (*e.g.*, stamp noting correction) as to make it obvious on the face of the CCF that you corrected the flaw.

(c) If the correction does not take place, as the MRO you must cancel the test.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41954, Aug. 9, 2001]

§ 40.207 What is the effect of a cancelled drug test?

(a) A cancelled drug test is neither positive nor negative.

(1) As an employer, you must not attach to a cancelled test the consequences of a positive test or other violation of a DOT drug testing regulation (*e.g.*, removal from a safety-sensitive position).

(2) As an employer, you must not use a cancelled test for the purposes of a negative test to authorize the employee to perform safety-sensitive functions (*i.e.*, in the case of a pre-employment, return-to-duty, or follow-up test).

(3) However, as an employer, you must not direct a recollection for an employee because a test has been cancelled, except in the situations cited in paragraph (a)(2) of this section or other provisions of this part that require another test to be conducted (*e.g.*, §§ 40.159(a)(5) and 40.187(b)).

(b) A cancelled test does not count toward compliance with DOT requirements (*e.g.*, being applied toward the number of tests needed to meet the employer's minimum random testing rate).

(c) A cancelled DOT test does not provide a valid basis for an employer to conduct a non-DOT test (*i.e.*, a test under company authority).

§ 40.208 What problem requires corrective action but does not result in the cancellation of a test?

(a) If, as a laboratory, collector, employer, or other person implementing the DOT drug testing program, you become aware that the specimen temperature on the CCF was not checked and the "Remarks" line did not contain an entry regarding the temperature being out of range, you must take corrective action, including securing a memorandum for the record explaining the problem and taking appropriate action to ensure that the problem does not recur.

(b) This error does not result in the cancellation of the test.

(c) As an employer or service agent, this error, even though not sufficient to cancel a drug test result, may subject you to enforcement action under

DOT agency regulations or Subpart R of this part.

[66 FR 41954, Aug. 9, 2001]

§ 40.209 What procedural problems do not result in the cancellation of a test and do not require collection?

(a) As a collector, laboratory, MRO, employer or other person administering the drug testing process, you must document any errors in the testing process of which you become aware, even if they are not considered problems that will cause a test to be cancelled as listed in this subpart. Decisions about the ultimate impact of these errors will be determined by other administrative or legal proceedings, subject to the limitations of paragraph (b) of this section.

(b) No person concerned with the testing process may declare a test cancelled based on an error that does not have a significant adverse effect on the right of the employee to have a fair and accurate test. Matters that do not result in the cancellation of a test include, but are not limited to, the following:

(1) A minor administrative mistake (*e.g.*, the omission of the employee's middle initial, a transposition of numbers in the employee's social security number);

(2) An error that does not affect employee protections under this part (*e.g.*, the collector's failure to add bluing agent to the toilet bowl, which adversely affects only the ability of the collector to detect tampering with the specimen by the employee);

(3) The collection of a specimen by a collector who is required to have been trained (see § 40.33), but who has not met this requirement;

(4) A delay in the collection process (see § 40.61(a));

(5) Verification of a test result by an MRO who has the basic credentials to be qualified as an MRO (see § 40.121(a) through (b)) but who has not met training and/or documentation requirements (see § 40.121(c) through (e));

(6) The failure to directly observe or monitor a collection that the rule requires or permits to be directly observed or monitored, or the unauthorized use of direct observation or monitoring for a collection;

(7) The fact that a test was conducted in a facility that does not meet the requirements of § 40.41;

(8) If the specific name of the courier on the CCF is omitted or erroneous;

(9) Personal identifying information is inadvertently contained on the CCF (e.g., the employee signs his or her name on the laboratory copy); or

(10) Claims that the employee was improperly selected for testing.

(c) As an employer or service agent, these types of errors, even though not sufficient to cancel a drug test result, may subject you to enforcement action under DOT agency regulations or action under Subpart R of this part.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41954, Aug. 9, 2001]

Subpart J—Alcohol Testing Personnel

§ 40.211 Who conducts DOT alcohol tests?

(a) Screening test technicians (STTs) and breath alcohol technicians (BATs) meeting their respective requirements of this subpart are the only people authorized to conduct DOT alcohol tests.

(b) An STT can conduct only alcohol screening tests, but a BAT can conduct alcohol screening and confirmation tests.

(c) As a BAT- or STT-qualified immediate supervisor of a particular employee, you may not act as the STT or BAT when that employee is tested, unless no other STT or BAT is available and DOT agency regulations do not prohibit you from doing so.

§ 40.213 What training requirements must STTs and BATs meet?

To be permitted to act as a BAT or STT in the DOT alcohol testing program, you must meet each of the requirements of this section:

(a) *Basic information.* You must be knowledgeable about the alcohol testing procedures in this part and the current DOT guidance. These documents and information are available from ODAPC (Department of Transportation, 400 7th Street, SW., Room 10403, Washington DC, 20590, 202-366-3784, or on the ODAPC web site, <http://www.dot.gov/ost/dapc>).

(b) *Qualification training.* You must receive qualification training meeting the requirements of this paragraph (b).

(1) Qualification training must be in accordance with the DOT Model BAT or STT Course, as applicable. The DOT Model Courses are available from ODAPC (Department of Transportation, 400 7th Street, SW., Room 10403, Washington DC, 20590, 202-366-3784, or on the ODAPC web site, <http://www.dot.gov/ost/dapc>). The training can also be provided using a course of instruction equivalent to the DOT Model Courses. On request, ODAPC will review BAT and STT instruction courses for equivalency.

(2) Qualification training must include training to proficiency in using the alcohol testing procedures of this part and in the operation of the particular alcohol testing device(s) (i.e., the ASD(s) or EBT(s)) you will be using.

(3) The training must emphasize that you are responsible for maintaining the integrity of the testing process, ensuring the privacy of employees being tested, and avoiding conduct or statements that could be viewed as offensive or inappropriate.

(4) The instructor must be an individual who has demonstrated necessary knowledge, skills, and abilities by regularly conducting DOT alcohol tests as an STT or BAT, as applicable, for a period of at least a year, who has conducted STT or BAT training, as applicable, under this part for a year, or who has successfully completed a “train the trainer” course.

(c) *Initial Proficiency Demonstration.* Following your completion of qualification training under paragraph (b) of this section, you must demonstrate proficiency in alcohol testing under this part by completing seven consecutive error-free mock tests (BATs) or five consecutive error-free tests (STTs).

(1) Another person must monitor and evaluate your performance, in person or by a means that provides real-time observation and interaction between the instructor and trainee, and attest in writing that the mock collections are “error-free.” This person must be

an individual who meets the requirements of paragraph (b)(4) of this section.

(2) These tests must use the alcohol testing devices (*e.g.*, EBT(s) or ASD(s)) that you will use as a BAT or STT.

(3) If you are an STT who will be using an ASD that indicates readings by changes, contrasts, or other readings in color, you must demonstrate as part of the mock test that you are able to discern changes, contrasts, or readings correctly.

(d) *Schedule for qualification training and initial proficiency demonstration.* The following is the schedule for qualification training and the initial proficiency demonstration you must meet:

(1) If you became a BAT or STT before August 1, 2001, you were required to have met the requirements set forth in paragraphs (b) and (c) of this section, and you do not have to meet them again.

(2) If you become a BAT or STT on or after August 1, 2001, you must meet the requirements of paragraphs (b) and (c) of this section before you begin to perform BAT or STT functions.

(e) *Refresher training.* No less frequently than every five years from the date on which you satisfactorily complete the requirements of paragraphs (b) and (c) of this section, you must complete refresher training that meets all the requirements of paragraphs (b) and (c) of this section. If you are a BAT or STT who completed qualification training before January 1, 1998, you are not required to complete refresher training until January 1, 2003.

(f) *Error Correction Training.* If you make a mistake in the alcohol testing process that causes a test to be cancelled (*i.e.*, a fatal or uncorrected flaw), you must undergo error correction training. This training must occur within 30 days of the date you are notified of the error that led to the need for retraining.

(1) Error correction training must be provided and your proficiency documented in writing by a person who meets the requirements of paragraph (b)(4) of this section.

(2) Error correction training is required to cover only the subject matter area(s) in which the error that caused the test to be cancelled occurred.

(3) As part of the error correction training, you must demonstrate your proficiency in the alcohol testing procedures of this part by completing three consecutive error-free mock tests. The mock tests must include one uneventful scenario and two scenarios related to the area(s) in which your error(s) occurred. The person providing the training must monitor and evaluate your performance and attest in writing that the mock tests were error-free.

(g) *Documentation.* You must maintain documentation showing that you currently meet all requirements of this section. You must provide this documentation on request to DOT agency representatives and to employers and C/TPAs who are negotiating to use your services.

(h) *Other persons who may serve as BATs or STTs.* (1) Anyone meeting the requirements of this section to be a BAT may act as an STT, provided that the individual has demonstrated initial proficiency in the operation of the ASD that he or she is using, as provided in paragraph (c) of this section.

(2) Law enforcement officers who have been certified by state or local governments to conduct breath alcohol testing are deemed to be qualified as BATs. They are not required to also complete the training requirements of this section in order to act as BATs. In order for a test conducted by such an officer to be accepted under DOT alcohol testing requirements, the officer must have been certified by a state or local government to use the EBT or ASD that was used for the test.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41954, Aug. 9, 2001]

§ 40.215 What information about the DER do employers have to provide to BATs and STTs?

As an employer, you must provide to the STTs and BATs the name and telephone number of the appropriate DER (and C/TPA, where applicable) to contact about any problems or issues that may arise during the testing process.

§ 40.217 Where is other information on the role of STTs and BATs found in this regulation?

You can find other information on the role and functions of STTs and BATs in the following sections of this part:

- § 40.3—Definitions.
- § 40.223—Responsibility for supervising employees being tested.
- §§ 40.225–40.227—Use of the alcohol testing form.
- §§ 40.241–40.245—Screening test procedures with ASDs and EBTs.
- §§ 40.251–40.255—Confirmation test procedures.
- § 40.261—Refusals to test.
- §§ 40.263–40.265—Insufficient saliva or breath.
- § 40.267—Problems requiring cancellation of tests.
- §§ 40.269–40.271—Correcting problems in tests.

Subpart K—Testing Sites, Forms, Equipment and Supplies Used in Alcohol Testing

§ 40.221 Where does an alcohol test take place?

- (a) A DOT alcohol test must take place at an alcohol testing site meeting the requirements of this section.
- (b) If you are operating an alcohol testing site, you must ensure that it meets the security requirements of § 40.223.
- (c) If you are operating an alcohol testing site, you must ensure that it provides visual and aural privacy to the employee being tested, sufficient to prevent unauthorized persons from seeing or hearing test results.
- (d) If you are operating an alcohol testing site, you must ensure that it has all needed personnel, materials, equipment, and facilities to provide for the collection and analysis of breath and/or saliva samples, and a suitable clean surface for writing.
- (e) If an alcohol testing site fully meeting all the visual and aural privacy requirements of paragraph (c) is not readily available, this part allows a reasonable suspicion or post-accident test to be conducted at a site that partially meets these requirements. In this case, the site must afford visual and aural privacy to the employee to the greatest extent practicable.
- (f) An alcohol testing site can be in a medical facility, a mobile facility (e.g.,

a van), a dedicated collection facility, or any other location meeting the requirements of this section.

§ 40.223 What steps must be taken to protect the security of alcohol testing sites?

- (a) If you are a BAT, STT, or other person operating an alcohol testing site, you must prevent unauthorized personnel from entering the testing site.
- (1) The only people you are to treat as authorized persons are employees being tested, BATs, STTs, and other alcohol testing site workers, DERs, employee representatives authorized by the employer (e.g., on the basis of employer policy or labor-management agreement), and DOT agency representatives.
- (2) You must ensure that all persons are under the supervision of a BAT or STT at all times when permitted into the site.
- (3) You may remove any person who obstructs, interferes with, or causes unnecessary delay in the testing process.
- (b) As the BAT or STT, you must not allow any person other than you, the employee, or a DOT agency representative to actually witness the testing process (see §§ 40.241–40.255).
- (c) If you are operating an alcohol testing site, you must ensure that when an EBT or ASD is not being used for testing, you store it in a secure place.
- (d) If you are operating an alcohol testing site, you must ensure that no one other than BATs or other employees of the site have access to the site when an EBT is unsecured.
- (e) As a BAT or STT, to avoid distraction that could compromise security, you are limited to conducting an alcohol test for only one employee at a time.
- (1) When an EBT screening test on an employee indicates an alcohol concentration of 0.02 or higher, and the same EBT will be used for the confirmation test, you are not allowed to use the EBT for a test on another employee before completing the confirmation test on the first employee.
- (2) As a BAT who will conduct both the screening and the confirmation

§ 40.225

test, you are to complete the entire screening and confirmation process on one employee before starting the screening process on another employee.

(3) You are not allowed to leave the alcohol testing site while the testing process for a given employee is in progress, except to notify a supervisor or contact a DER for assistance in the case an employee or other person who obstructs, interferes with, or unnecessarily delays the testing process.

§ 40.225 What form is used for an alcohol test?

(a) The DOT Alcohol Testing Form (ATF) must be used for every DOT alcohol test beginning February 1, 2002. The ATF must be a three-part carbonless manifold form. The ATF is found in Appendix G to this part. You may view this form on the ODAPC web site (<http://www.dot.gov/ost/dapc>).

(b) As an employer in the DOT alcohol testing program, you are not permitted to modify or revise the ATF except as follows:

(1) You may include other information needed for billing purposes, outside the boundaries of the form.

(2) You may use a ATF directly generated by an EBT which omits the space for affixing a separate printed result to the ATF, provided the EBT prints the result directly on the ATF.

(3) You may use an ATF that has the employer's name, address, and telephone number preprinted. In addition, a C/TPA's name, address, and telephone number may be included, to assist with negative results.

(4) You may use an ATF in which all pages are printed on white paper. You may modify the ATF by using colored paper, or have clearly discernable borders or designation statements on Copy 2 and Copy 3. When colors are used, they must be green for Copy 2 and blue for Copy 3.

(5) As a BAT or STT, you may add, on the "Remarks" line of the ATF, the name of the DOT agency under whose authority the test occurred.

(6) As a BAT or STT, you may use a ATF that has your name, address, and telephone number preprinted, but under no circumstances can your signature be preprinted.

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(c) As an employer, you may use an equivalent foreign-language version of the ATF approved by ODAPC. You may use such a non-English language form only in a situation where both the employee and BAT/STT understand and can use the form in that language.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41954, Aug. 9, 2001]

§ 40.227 May employers use the ATF for non-DOT tests, or non-DOT forms for DOT tests?

(a) No, as an employer, BAT, or STT, you are prohibited from using the ATF for non-DOT alcohol tests. You are also prohibited from using non-DOT forms for DOT alcohol tests. Doing either subjects you to enforcement action under DOT agency regulations.

(b) If the STT or BAT, either by mistake, or as the only means to conduct a test under difficult circumstances (e.g., post-accident test with insufficient time to obtain the ATF), uses a non-DOT form for a DOT test, the use of a non-DOT form does not, in and of itself, require the employer or service agent to cancel the test. However, in order for the test to be considered valid, a signed statement must be obtained from the STT or BAT in accordance with § 40.271(b).

§ 40.229 What devices are used to conduct alcohol screening tests?

EBTs and ASDs on the NHTSA conforming products lists (CPL) for evidential and non-evidential devices are the only devices you are allowed to use to conduct alcohol screening tests under this part. You may use an ASD that is on the NHTSA CPL for DOT alcohol tests only if there are instructions for its use in this part. An ASD can be used only for screening tests for alcohol, and may not be used for confirmation tests.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41954, Aug. 9, 2001]

§ 40.231 What devices are used to conduct alcohol confirmation tests?

(a) EBTs on the NHTSA CPL for evidential devices that meet the requirements of paragraph (b) of this section are the only devices you may use to conduct alcohol confirmation tests

under this part. Note that, among devices on the CPL for EBTs, only those devices listed without an asterisk (*) are authorized for use in confirmation testing in the DOT alcohol testing program.

(b) To conduct a confirmation test, you must use an EBT that has the following capabilities:

(1) Provides a printed triplicate result (or three consecutive identical copies of a result) of each breath test;

(2) Assigns a unique number to each completed test, which the BAT and employee can read before each test and which is printed on each copy of the result;

(3) Prints, on each copy of the result, the manufacturer's name for the device, its serial number, and the time of the test;

(4) Distinguishes alcohol from acetone at the 0.02 alcohol concentration level;

(5) Tests an air blank; and

(6) Performs an external calibration check.

§ 40.233 What are the requirements for proper use and care of EBTs?

(a) As an EBT manufacturer, you must submit, for NHTSA approval, a quality assurance plan (QAP) for your EBT before NHTSA places the EBT on the CPL.

(1) Your QAP must specify the methods used to perform external calibration checks on the EBT, the tolerances within which the EBT is regarded as being in proper calibration, and the intervals at which these checks must be performed. In designating these intervals, your QAP must take into account factors like frequency of use, environmental conditions (*e.g.*, temperature, humidity, altitude) and type of operation (*e.g.*, stationary or mobile).

(2) Your QAP must also specify the inspection, maintenance, and calibration requirements and intervals for the EBT.

(b) As the manufacturer, you must include, with each EBT, instructions for its use and care consistent with the QAP.

(c) As the user of the EBT (*e.g.*, employer, service agent), you must do the following:

(1) You must follow the manufacturer's instructions (see paragraph (b) of this section), including performance of external calibration checks at the intervals the instructions specify.

(2) In conducting external calibration checks, you must use only calibration devices appearing on NHTSA's CPL for "Calibrating Units for Breath Alcohol Tests."

(3) If an EBT fails an external check of calibration, you must take the EBT out of service. You may not use the EBT again for DOT alcohol testing until it is repaired and passes an external calibration check.

(4) You must maintain records of the inspection, maintenance, and calibration of EBTs as provided in § 40.333(a)(2).

(5) You must ensure that inspection, maintenance, and calibration of the EBT are performed by its manufacturer or a maintenance representative certified either by the manufacturer or by a state health agency or other appropriate state agency.

§ 40.235 What are the requirements for proper use and care of ASDs?

(a) As an ASD manufacturer, you must submit, for NHTSA approval, a QAP for your ASD before NHTSA places the ASD on the CPL. Your QAP must specify the methods used for quality control checks, temperatures at which the ASD must be stored and used, the shelf life of the device, and environmental conditions (*e.g.*, temperature, altitude, humidity) that may affect the ASD's performance.

(b) As a manufacturer, you must include with each ASD instructions for its use and care consistent with the QAP. The instructions must include directions on the proper use of the ASD, and, where applicable the time within which the device must be read, and the manner in which the reading is made.

(c) As the user of the ADS (*e.g.*, employer, STT), you must follow the QAP instructions.

(d) You are not permitted to use an ASD that does not pass the specified quality control checks or that has passed its expiration date.

(e) As an employer, with respect to breath ASDs, you must also follow the

device use and care requirements of § 40.233 .

Subpart L—Alcohol Screening Tests

§ 40.241 What are the first steps in any alcohol screening test?

As the BAT or STT you will take the following steps to begin all alcohol screening tests, regardless of the type of testing device you are using:

(a) When a specific time for an employee's test has been scheduled, or the collection site is at the employee's worksite, and the employee does not appear at the collection site at the scheduled time, contact the DER to determine the appropriate interval within which the DER has determined the employee is authorized to arrive. If the employee's arrival is delayed beyond that time, you must notify the DER that the employee has not reported for testing. In a situation where a C/TPA has notified an owner/operator or other individual employee to report for testing and the employee does not appear, the C/TPA must notify the employee that he or she has refused to test.

(b) Ensure that, when the employee enters the alcohol testing site, you begin the alcohol testing process without undue delay. For example, you must not wait because the employee says he or she is not ready or because an authorized employer or employee representative is delayed in arriving.

(1) If the employee is also going to take a DOT drug test, you must, to the greatest extent practicable, ensure that the alcohol test is completed before the urine collection process begins.

(2) If the employee needs medical attention (*e.g.*, an injured employee in an emergency medical facility who is required to have a post-accident test), do not delay this treatment to conduct a test.

(c) Require the employee to provide positive identification. You must see a photo ID issued by the employer (other than in the case of an owner-operator or other self-employer individual) or a Federal, state, or local government (*e.g.*, a driver's license). You may not accept faxes or photocopies of identification. Positive identification by an

employer representative (not a co-worker or another employee being tested) is also acceptable. If the employee cannot produce positive identification, you must contact a DER to verify the identity of the employee.

(d) If the employee asks, provide your identification to the employee. Your identification must include your name and your employer's name but is not required to include your picture, address, or telephone number.

(e) Explain the testing procedure to the employee, including showing the employee the instructions on the back of the ATF.

(f) Complete Step 1 of the ATF.

(g) Direct the employee to complete Step 2 on the ATF and sign the certification. If the employee refuses to sign this certification, you must document this refusal on the "Remarks" line of the ATF and immediately notify the DER. This is a refusal to test.

§ 40.243 What is the procedure for an alcohol screening test using an EBT or non-evidential breath ASD?

As the BAT or STT, you must take the following steps:

(a) Select, or allow the employee to select, an individually wrapped or sealed mouthpiece from the testing materials.

(b) Open the individually wrapped or sealed mouthpiece in view of the employee and insert it into the device in accordance with the manufacturer's instructions.

(c) Instruct the employee to blow steadily and forcefully into the mouthpiece for at least six seconds or until the device indicates that an adequate amount of breath has been obtained.

(d) Show the employee the displayed test result.

(e) If the device is one that prints the test number, testing device name and serial number, time, and result directly onto the ATF, you must check to ensure that the information has been printed correctly onto the ATF.

(f) If the device is one that prints the test number, testing device name and serial number, time and result, but on a separate printout rather than directly onto the ATF, you must affix the printout of the information to the

designated space on the ATF with tamper-evident tape or use a self-adhesive label that is tamper-evident.

(g) If the device is one that does not print the test number, testing device name and serial number, time, and result, or it is a device not being used with a printer, you must record this information in Step 3 of the ATF.

§ 40.245 What is the procedure for an alcohol screening test using a saliva ASD or a breath tube ASD?

(a) As the STT or BAT, you must take the following steps when using the saliva ASD:

(1) Check the expiration date on the device or on the package containing the device and show it to the employee. You may not use the device after its expiration date.

(2) Open an individually wrapped or sealed package containing the device in the presence of the employee.

(3) Offer the employee the opportunity to use the device. If the employee uses it, you must instruct the employee to insert it into his or her mouth and use it in a manner described by the device's manufacturer.

(4) If the employee chooses not to use the device, or in all cases in which a new test is necessary because the device did not activate (see paragraph (a)(7) of this section), you must insert the device into the employee's mouth and gather saliva in the manner described by the device's manufacturer. You must wear single-use examination or similar gloves while doing so and change them following each test.

(5) When the device is removed from the employee's mouth, you must follow the manufacturer's instructions regarding necessary next steps in ensuring that the device has activated.

(6)(i) If you were unable to successfully follow the procedures of paragraphs (a)(3) through (a)(5) of this section (*e.g.*, the device breaks, you drop the device on the floor), you must discard the device and conduct a new test using a new device.

(ii) The new device you use must be one that has been under your control or that of the employee before the test.

(iii) You must note on the "Remarks" line of the ATF the reason for the new test. (Note: You may continue

using the same ATF with which you began the test.)

(iv) You must offer the employee the choice of using the device or having you use it unless the employee, in the opinion of the STT or BAT, was responsible (*e.g.*, the employee dropped the device) for the new test needing to be conducted.

(v) If you are unable to successfully follow the procedures of paragraphs (a)(3) through (a)(5) of this section on the new test, you must end the collection and put an explanation on the "Remarks" line of the ATF.

(vi) You must then direct the employee to take a new test immediately, using an EBT for the screening test.

(7) If you are able to successfully follow the procedures of paragraphs (a)(3)—(a)(5) of this section, but the device does not activate, you must discard the device and conduct a new test, in the same manner as provided in paragraph (a)(6) of this section. In this case, you must place the device into the employee's mouth to collect saliva for the new test.

(8) You must read the result displayed on the device no sooner than the device's manufacturer instructs. In all cases the result displayed must be read within 15 minutes of the test. You must then show the device and its reading to the employee and enter the result on the ATF.

(9) You must never re-use devices, swabs, gloves or other materials used in saliva testing.

(10) You must note the fact that you used a saliva ASD in Step 3 of the ATF.

(b) As the STT or BAT, you must take the following steps when using the breath tube ASD:

(1) Check the expiration date on the device or on the package containing the device and show it to the employee. You must not use the device after its expiration date.

(2) Remove a device from the package and break the tube's ampule in the presence of the employee.

(3) Secure an inflation bag onto the appropriate end of the device, as directed by the manufacturer on the device's instructions.

(4) Offer the employee the opportunity to use the device. If the employee chooses to use (*e.g.* hold) the device, instruct the employee to blow forcefully and steadily into the blowing end of device until the inflation bag fills with air (approximately 12 seconds).

(5) If the employee chooses not to hold the device, you must hold it and provide the use instructions in paragraph (b)(4) of this section.

(6) When the employee completes the breath process, take the device from the employee (or if you were holding it, remove it from the employee's mouth); remove the inflation bag; and either hold the device or place it on a clean flat surface while waiting for the reading to appear.

(7)(i) If you were unable to successfully follow the procedures of paragraphs (b)(4) through (b)(6) of this section (*e.g.*, the device breaks apart, the employee did not fill the inflation bag), you must discard the device and conduct a new test using a new one.

(ii) The new device you use must be one that has been under your control or that of the employer before the test.

(iii) You must note on the "Remarks" line of the ATF the reason for the new test. (Note: You may continue using the same ATF with which you began the test.)

(iv) You must offer the employee the choice of holding the device or having you hold it unless the employee, in the your opinion, was responsible (*e.g.*, the employee failed to fill the inflation bag) for the new test needing to be conducted.

(v) If you are unable to successfully follow the procedures of paragraphs (b)(4) through (b)(6) of this section on the new test, you must end the collection and put an explanation on the "Remarks" line of the ATF.

(vi) You must then direct the employee to take a new test immediately, using another type of ASD (*e.g.*, saliva device) or an EBT.

(8) If you were able to successfully follow the procedures of paragraphs (b)(4) through (b)(6) of this section, you must compare the color of the crystals in the device with the colored crystals on the manufacturer-produced control tube no sooner than the manufacturer

instructs. In all cases color comparisons must take place within 15 minutes of the test.

(9) You must follow the manufacturer's instructions for determining the result of the test. You must then show both the device and the control tube side-by-side to the employee and record the result on the ATF.

(10) You must never re-use devices or gloves used in breath tube testing. The inflation bag must be voided of air following removal from a device. One inflation bag can be used for up to 10 breath tube tests.

(11) You must note the fact that you used a breath tube device in Step 3 of the ATF.

[67 FR 61522, Oct. 1, 2002]

§ 40.247 What procedures does the BAT or STT follow after a screening test result?

(a) If the test result is an alcohol concentration of less than 0.02, as the BAT or STT, you must do the following:

(1) Sign and date Step 3 of the ATF; and

(2) Transmit the result to the DER in a confidential manner, as provided in § 40.255 .

(b) If the test result is an alcohol concentration of 0.02 or higher, as the BAT or STT, you must direct the employee to take a confirmation test.

(1) If you are the BAT who will conduct the confirmation test, you must then conduct the test using the procedures beginning at § 40.251 .

(2) If you are not the BAT who will conduct the confirmation test, direct the employee to take a confirmation test, sign and date Step 3 of the ATF, and give the employee Copy 2 of the ATF.

(3) If the confirmation test will be performed at a different site from the screening test, you must take the following additional steps:

(i) Advise the employee not to eat, drink, put anything (*e.g.*, cigarette, chewing gum) into his or her mouth, or belch;

(ii) Tell the employee the reason for the waiting period required by § 40.251(a) (*i.e.*, to prevent an accumulation of mouth alcohol from leading to an artificially high reading);

(iii) Explain that following your instructions concerning the waiting period is to the employee's benefit;

(iv) Explain that the confirmation test will be conducted at the end of the waiting period, even if the instructions have not been followed;

(v) Note on the "Remarks" line of the ATF that the waiting period instructions were provided;

(vi) Instruct the person accompanying the employee to carry a copy of the ATF to the BAT who will perform the confirmation test; and

(vii) Ensure that you or another BAT, STT, or employer representative observe the employee as he or she is transported to the confirmation testing site. You must direct the employee not to attempt to drive a motor vehicle to the confirmation testing site.

(c) If the screening test is invalid, you must, as the BAT or STT, tell the employee the test is cancelled and note the problem on the "Remarks" line of the ATF. If practicable, repeat the testing process (see § 40. 271).

Subpart M—Alcohol Confirmation Tests

§ 40.251 What are the first steps in an alcohol confirmation test?

As the BAT for an alcohol confirmation test, you must follow these steps to begin the confirmation test process:

(a) You must carry out a requirement for a waiting period before the confirmation test, by taking the following steps:

(1) You must ensure that the waiting period lasts at least 15 minutes, starting with the completion of the screening test. After the waiting period has elapsed, you should begin the confirmation test as soon as possible, but not more than 30 minutes after the completion of the screening test.

(i) If the confirmation test is taking place at a different location from the screening test (see § 40.247(b)(3)) the time of transit between sites counts toward the waiting period if the STT or BAT who conducted the screening test provided the waiting period instructions.

(ii) If you cannot verify, through review of the ATF, that waiting period instructions were provided, then you

must carry out the waiting period requirement.

(iii) You or another BAT or STT, or an employer representative, must observe the employee during the waiting period.

(2) Concerning the waiting period, you must tell the employee:

(i) Not to eat, drink, put anything (e.g., cigarette, chewing gum) into his or her mouth, or belch;

(ii) The reason for the waiting period (i.e., to prevent an accumulation of mouth alcohol from leading to an artificially high reading);

(iii) That following your instructions concerning the waiting period is to the employee's benefit; and

(iv) That the confirmation test will be conducted at the end of the waiting period, even if the instructions have not been followed.

(3) If you become aware that the employee has not followed the instructions, you must note this on the "Remarks" line of the ATF.

(b) If you did not conduct the screening test for the employee, you must require positive identification of the employee, explain the confirmation procedures, and use a new ATF. You must note on the "Remarks" line of the ATF that a different BAT or STT conducted the screening test.

(c) Complete Step 1 of the ATF.

(d) Direct the employee to complete Step 2 on the ATF and sign the certification. If the employee refuses to sign this certification, you must document this refusal on the "Remarks" line of the ATF and immediately notify the DER. This is a refusal to test.

(e) Even if more than 30 minutes have passed since the screening test result was obtained, you must begin the confirmation test procedures in § 40.253, not another screening test.

(f) You must note on the "Remarks" line of the ATF the time that elapsed between the two events, and if the confirmation test could not begin within 30 minutes of the screening test, the reason why.

(g) Beginning the confirmation test procedures after the 30 minutes have elapsed does not invalidate the screening or confirmation tests, but it may constitute a regulatory violation subject to DOT agency sanction.

§ 40.253 What are the procedures for conducting an alcohol confirmation test?

As the BAT conducting an alcohol confirmation test, you must follow these steps in order to complete the confirmation test process:

(a) In the presence of the employee, you must conduct an air blank on the EBT you are using before beginning the confirmation test and show the reading to the employee.

(1) If the reading is 0.00, the test may proceed. If the reading is greater than 0.00, you must conduct another air blank.

(2) If the reading on the second air blank is 0.00, the test may proceed. If the reading is greater than 0.00, you must take the EBT out of service.

(3) If you take an EBT out of service for this reason, no one may use it for testing until the EBT is found to be within tolerance limits on an external check of calibration.

(4) You must proceed with the test of the employee using another EBT, if one is available.

(b) You must open a new individually wrapped or sealed mouthpiece in view of the employee and insert it into the device in accordance with the manufacturer's instructions.

(c) You must ensure that you and the employee read the unique test number displayed on the EBT.

(d) You must instruct the employee to blow steadily and forcefully into the mouthpiece for at least six seconds or until the device indicates that an adequate amount of breath has been obtained.

(e) You must show the employee the result displayed on the EBT.

(f) You must show the employee the result and unique test number that the EBT prints out either directly onto the ATF or onto a separate printout.

(g) If the EBT provides a separate printout of the result, you must attach the printout to the designated space on the ATF with tamper-evident tape, or use a self-adhesive label that is tamper-evident.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41954, Aug. 9, 2001]

§ 40.255 What happens next after the alcohol confirmation test result?

(a) After the EBT has printed the result of an alcohol confirmation test, you must, as the BAT, take the following additional steps:

(1) Sign and date Step 3 of the ATF.

(2) If the alcohol confirmation test result is lower than 0.02, nothing further is required of the employee. As the BAT, you must sign and date Step 3 of the ATF.

(3) If the alcohol confirmation test result is 0.02 or higher, direct the employee to sign and date Step 4 of the ATF. If the employee does not do so, you must note this on the "Remarks" line of the ATF. However, this is not considered a refusal to test.

(4) If the test is invalid, tell the employee the test is cancelled and note the problem on the "Remarks" line of the ATF. If practicable, conduct a retest. (see § 40.271).

(5) Immediately transmit the result directly to the DER in a confidential manner.

(i) You may transmit the results using Copy 1 of the ATF, in person, by telephone, or by electronic means. In any case, you must immediately notify the DER of any result of 0.02 or greater by any means (*e.g.*, telephone or secure fax machine) that ensures the result is immediately received by the DER. You must not transmit these results through C/TPAs or other service agents.

(ii) If you do not make the initial transmission in writing, you must follow up the initial transmission with Copy 1 of the ATF.

(b) As an employer, you must take the following steps with respect to the receipt and storage of alcohol test result information:

(1) If you receive any test results that are not in writing (*e.g.*, by telephone or electronic means), you must establish a mechanism to establish the identity of the BAT sending you the results.

(2) You must store all test result information in a way that protects confidentiality.

Subpart N—Problems in Alcohol Testing

§ 40.261 What is a refusal to take an alcohol test, and what are the consequences?

(a) As an employee, you are considered to have refused to take an alcohol test if you:

(1) Fail to appear for any test (except a pre-employment test) within a reasonable time, as determined by the employer, consistent with applicable DOT agency regulations, after being directed to do so by the employer. This includes the failure of an employee (including an owner-operator) to appear for a test when called by a C/TPA (see § 40.241(a));

(2) Fail to remain at the testing site until the testing process is complete; *Provided*, That an employee who leaves the testing site before the testing process commences (see § 40.243(a)) for a pre-employment test is not deemed to have refused to test;

(3) Fail to provide an adequate amount of saliva or breath for any alcohol test required by this part or DOT agency regulations; *Provided*, That an employee who does not provide an adequate amount of breath or saliva because he or she has left the testing site before the testing process commences (see § 40.243(a)) for a pre-employment test is not deemed to have refused to test;

(4) Fail to provide a sufficient breath specimen, and the physician has determined, through a required medical evaluation, that there was no adequate medical explanation for the failure (see § 40.265(c));

(5) Fail to undergo a medical examination or evaluation, as directed by the employer as part of the insufficient breath procedures outlined at § 40.265(c);

(6) Fail to sign the certification at Step 2 of the ATF (see §§ 40.241(g) and 40.251(d)); or

(7) Fail to cooperate with any part of the testing process.

(b) As an employee, if you refuse to take an alcohol test, you incur the same consequences specified under DOT agency regulations for a violation of those DOT agency regulations.

(c) As a BAT or an STT, or as the physician evaluating a “shy lung” situation, when an employee refuses to test as provided in paragraph (a) of this section, you must terminate the portion of the testing process in which you are involved, document the refusal on the ATF (or in a separate document which you cause to be attached to the form), immediately notify the DER by any means (*e.g.*, telephone or secure fax machine) that ensures the refusal notification is immediately received. You must make this notification directly to the DER (not using a C/TPA as an intermediary).

(d) As an employee, when you refuse to take a non-DOT test or to sign a non-DOT form, you have not refused to take a DOT test. There are no consequences under DOT agency regulations for such a refusal.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41954, Aug. 9, 2001]

§ 40.263 What happens when an employee is unable to provide a sufficient amount of saliva for an alcohol screening test?

(a) As the STT, you must take the following steps if an employee is unable to provide sufficient saliva to complete a test on a saliva screening device (*e.g.*, the employee does not provide sufficient saliva to activate the device).

(1) You must conduct a new screening test using a new screening device.

(2) If the employee refuses to make the attempt to complete the new test, you must discontinue testing, note the fact on the “Remarks” line of the ATF, and immediately notify the DER. This is a refusal to test.

(3) If the employee has not provided a sufficient amount of saliva to complete the new test, you must note the fact on the “Remarks” line of the ATF and immediately notify the DER.

(b) As the DER, when the STT informs you that the employee has not provided a sufficient amount of saliva (see paragraph (a)(3) of this section), you must immediately arrange to administer an alcohol test to the employee using an EBT or other breath testing device.

§ 40.265 What happens when an employee is unable to provide a sufficient amount of breath for an alcohol test?

(a) If an employee does not provide a sufficient amount of breath to permit a valid breath test, you must take the steps listed in this section.

(b) As the BAT or STT, you must instruct the employee to attempt again to provide a sufficient amount of breath and about the proper way to do so.

(1) If the employee refuses to make the attempt, you must discontinue the test, note the fact on the "Remarks" line of the ATF, and immediately notify the DER. This is a refusal to test.

(2) If the employee again attempts and fails to provide a sufficient amount of breath, you may provide another opportunity to the employee to do so if you believe that there is a strong likelihood that it could result in providing a sufficient amount of breath.

(3) When the employee's attempts under paragraph (b)(2) of this section have failed to produce a sufficient amount of breath, you must note the fact on the "Remarks" line of the ATF and immediately notify the DER.

(4) If you are using an EBT that has the capability of operating manually, you may attempt to conduct the test in manual mode.

(5) If you are qualified to use a saliva ASD and you are in the screening test stage, you may change to a saliva ASD only to complete the screening test.

(c) As the employer, when the BAT or STT informs you that the employee has not provided a sufficient amount of breath, you must direct the employee to obtain, within five days, an evaluation from a licensed physician who is acceptable to you and who has expertise in the medical issues raised by the employee's failure to provide a sufficient specimen.

(1) You are required to provide the physician who will conduct the evaluation with the following information and instructions:

(i) That the employee was required to take a DOT breath alcohol test, but was unable to provide a sufficient amount of breath to complete the test;

(ii) The consequences of the appropriate DOT agency regulation for refusing to take the required alcohol test;

(iii) That the physician must provide you with a signed statement of his or her conclusions; and

(iv) That the physician, in his or her reasonable medical judgment, must base those conclusions on one of the following determinations:

(A) A medical condition has, or with a high degree of probability could have, precluded the employee from providing a sufficient amount of breath. The physician must not include in the signed statement detailed information on the employee's medical condition. In this case, the test is cancelled.

(B) There is not an adequate basis for determining that a medical condition has, or with a high degree of probability could have, precluded the employee from providing a sufficient amount of breath. This constitutes a refusal to test.

(C) For purposes of paragraphs (c)(1)(iv)(A) and (B) of this section, a medical condition includes an ascertainable physiological condition (*e.g.*, a respiratory system dysfunction) or a medically documented pre-existing psychological disorder, but does not include unsupported assertions of "situational anxiety" or hyperventilation.

(2) As the physician making the evaluation, after making your determination, you must provide a written statement of your conclusions and the basis for them to the DER directly (and not through a C/TPA acting as an intermediary). You must not include in this statement detailed information on the employee's medical condition beyond what is necessary to explain your conclusion.

(3) Upon receipt of the report from the examining physician, as the DER you must immediately inform the employee and take appropriate action based upon your DOT agency regulations.

§ 40.267 What problems always cause an alcohol test to be cancelled?

As an employer, a BAT, or an STT, you must cancel an alcohol test if any of the following problems occur. These are "fatal flaws." You must inform the DER that the test was cancelled and

must be treated as if the test never occurred. These problems are:

(a) In the case of a screening test conducted on a saliva ASD or a breath tube ASD:

(1) The STT or BAT reads the result either sooner than or later than the time allotted by the manufacturer and this Part (see § 40.245(a)(8) for the saliva ASD and § 40.245(b)(8) for the breath tube ASD).

(2) The saliva ASD does not activate (see § 40.245(a)(7)); or

(3) The device is used for a test after the expiration date printed on the device or on its package (see § 40.245(a)(1) for the saliva ASD and § 40.245(b)(1) for the breath tube ASD).

(b) In the case of a screening or confirmation test conducted on an EBT, the sequential test number or alcohol concentration displayed on the EBT is not the same as the sequential test number or alcohol concentration on the printed result (see § 40.253(c), (e) and (f)).

(c) In the case of a confirmation test:

(1) The BAT conducts the confirmation test before the end of the minimum 15-minute waiting period (see § 40.251(a)(1));

(2) The BAT does not conduct an air blank before the confirmation test (see § 40.253(a));

(3) There is not a 0.00 result on the air blank conducted before the confirmation test (see § 40.253(a)(1) and (2));

(4) The EBT does not print the result (see § 40.253(f)); or

(5) The next external calibration check of the EBT produces a result that differs by more than the tolerance stated in the QAP from the known value of the test standard. In this case, every result of 0.02 or above obtained on the EBT since the last valid external calibration check is cancelled (see § 40.233(a)(1) and (d)).

[65 FR 79526, Dec. 19, 2000, as amended at 67 FR 61522, Oct. 1, 2002]

§ 40.269 What problems cause an alcohol test to be cancelled unless they are corrected?

As a BAT or STT, or employer, you must cancel an alcohol test if any of the following problems occur, unless they are corrected. These are "correctable flaws." These problems are:

(a) The BAT or STT does not sign the ATF (see §§ 40.247(a)(1) and 40.255(a)(1)).

(b) The BAT or STT fails to note on the "Remarks" line of the ATF that the employee has not signed the ATF after the result is obtained (see § 40.255(a)(2)).

(c) The BAT or STT uses a non-DOT form for the test (see § 40.225(a)).

§ 40.271 How are alcohol testing problems corrected?

(a) As a BAT or STT, you have the responsibility of trying to complete successfully an alcohol test for each employee.

(1) If, during or shortly after the testing process, you become aware of any event that will cause the test to be cancelled (see § 40.267), you must try to correct the problem promptly, if practicable. You may repeat the testing process as part of this effort.

(2) If repeating the testing process is necessary, you must begin a new test as soon as possible. You must use a new ATF, a new sequential test number, and, if needed, a new ASD and/or a new EBT. It is permissible to use additional technical capabilities of the EBT (*e.g.*, manual operation) if you have been trained to do so in accordance with § 40.213(c) .

(3) If repeating the testing process is necessary, you are not limited in the number of attempts to complete the test, provided that the employee is making a good faith effort to comply with the testing process.

(4) If another testing device is not available for the new test at the testing site, you must immediately notify the DER and advise the DER that the test could not be completed. As the DER who receives this information, you must make all reasonable efforts to ensure that the test is conducted at another testing site as soon as possible.

(b) If, as an STT, BAT, employer or other service agent administering the testing process, you become aware of a "correctable flaw" (see § 40.269) that has not already been corrected, you must take all practicable action to correct the problem so that the test is not cancelled.

(1) If the problem resulted from the omission of required information, you

must, as the person responsible for providing that information, supply in writing the missing information and a signed statement that it is true and accurate. For example, suppose you are a BAT and you forgot to make a notation on the "Remarks" line of the ATF that the employee did not sign the certification. You would, when the problem is called to your attention, supply a signed statement that the employee failed or refused to sign the certification after the result was obtained, and that your signed statement is true and accurate.

(2) If the problem is the use of a non-DOT form, you must, as the person responsible for the use of the incorrect form, certify in writing that the incorrect form contains all the information needed for a valid DOT alcohol test. You must also provide a signed statement that the incorrect form was used inadvertently or as the only means of conducting a test, in circumstances beyond your control, and the steps you have taken to prevent future use of non-DOT forms for DOT tests. You must supply this information on the same business day on which you are notified of the problem, transmitting it by fax or courier.

(c) If you cannot correct the problem, you must cancel the test.

§ 40.273 What is the effect of a cancelled alcohol test?

(a) A cancelled alcohol test is neither positive nor negative.

(1) As an employer, you must not attach to a cancelled test the consequences of a test result that is 0.02 or greater (e.g., removal from a safety-sensitive position).

(2) As an employer, you must not use a cancelled test in a situation where an employee needs a test result that is below 0.02 (e.g., in the case of a return-to-duty or follow-up test to authorize the employee to perform safety-sensitive functions).

(3) As an employer, you must not direct a recollection for an employee because a test has been cancelled, except in the situations cited in paragraph (a)(2) of this section or other provisions of this part.

(b) A cancelled test does not count toward compliance with DOT require-

ments, such as a minimum random testing rate.

(c) When a test must be cancelled, if you are the BAT, STT, or other person who determines that the cancellation is necessary, you must inform the affected DER within 48 hours of the cancellation.

(d) A cancelled DOT test does not provide a valid basis for an employer to conduct a non-DOT test (i.e., a test under company authority).

§ 40.275 What is the effect of procedural problems that are not sufficient to cancel an alcohol test?

(a) As an STT, BAT, employer, or a service agent administering the testing process, you must document any errors in the testing process of which you become aware, even if they are not "fatal flaws" or "correctable flaws" listed in this subpart. Decisions about the ultimate impact of these errors will be determined by administrative or legal proceedings, subject to the limitation of paragraph (b) of this section.

(b) No person concerned with the testing process may declare a test cancelled based on a mistake in the process that does not have a significant adverse effect on the right of the employee to a fair and accurate test. For example, it is inconsistent with this part to cancel a test based on a minor administrative mistake (e.g., the omission of the employee's middle initial) or an error that does not affect employee protections under this part. Nor does the failure of an employee to sign in Step 4 of the ATF result in the cancellation of the test. Nor is a test to be cancelled on the basis of a claim by an employee that he or she was improperly selected for testing.

(c) As an employer, these errors, even though not sufficient to cancel an alcohol test result, may subject you to enforcement action under DOT agency regulations.

§ 40.277 Are alcohol tests other than saliva or breath permitted under these regulations?

No, other types of alcohol tests (e.g., blood and urine) are not authorized for testing done under this part. Only saliva or breath for screening tests and

breath for confirmation tests using approved devices are permitted.

Subpart O—Substance Abuse Professionals and the Return-to-Duty Process

§ 40.281 Who is qualified to act as a SAP?

To be permitted to act as a SAP in the DOT drug testing program, you must meet each of the requirements of this section:

(a) *Credentials.* You must have one of the following credentials:

(1) You are a licensed physician (Doctor of Medicine or Osteopathy);

(2) You are a licensed or certified social worker;

(3) You are a licensed or certified psychologist;

(4) You are a licensed or certified employee assistance professional; or

(5) You are a drug and alcohol counselor certified by the National Association of Alcoholism and Drug Abuse Counselors Certification Commission (NAADAC); or by the International Certification Reciprocity Consortium/Alcohol and Other Drug Abuse (ICRC); or by the National Board for Certified Counselors, Inc. and Affiliates/Master Addictions Counselor (NBCC).

(b) *Basic knowledge.* You must be knowledgeable in the following areas:

(1) You must be knowledgeable about and have clinical experience in the diagnosis and treatment of alcohol and controlled substances-related disorders.

(2) You must be knowledgeable about the SAP function as it relates to employer interests in safety-sensitive duties.

(3) You must be knowledgeable about this part, the DOT agency regulations applicable to the employers for whom you evaluate employees, and the DOT SAP Guidelines, and you keep current on any changes to these materials. These documents are available from ODAPC (Department of Transportation, 400 7th Street, SW., Room 10403, Washington DC, 20590 (202-366-3784), or on the ODAPC web site (<http://www.dot.gov/ost/dapc>).

(c) *Qualification training.* You must receive qualification training meeting the requirements of this paragraph (c).

(1) Qualification training must provide instruction on the following subjects:

(i) Background, rationale, and coverage of the Department's drug and alcohol testing program;

(ii) 49 CFR Part 40 and DOT agency drug and alcohol testing rules;

(iii) Key DOT drug testing requirements, including collections, laboratory testing, MRO review, and problems in drug testing;

(iv) Key DOT alcohol testing requirements, including the testing process, the role of BATs and STTs, and problems in alcohol tests;

(v) SAP qualifications and prohibitions;

(vi) The role of the SAP in the return-to-duty process, including the initial employee evaluation, referrals for education and/or treatment, the follow-up evaluation, continuing treatment recommendations, and the follow-up testing plan;

(vii) SAP consultation and communication with employers, MROs, and treatment providers;

(viii) Reporting and recordkeeping requirements;

(ix) Issues that SAPs confront in carrying out their duties under the program.

(2) Following your completion of qualification training under paragraph (c)(1) of this section, you must satisfactorily complete an examination administered by a nationally-recognized professional or training organization. The examination must comprehensively cover all the elements of qualification training listed in paragraph (c)(1) of this section.

(3) The following is the schedule for qualification training you must meet:

(i) If you became a SAP before August 1, 2001, you must meet the qualification training requirement no later than December 31, 2003.

(ii) If you become a SAP between August 1, 2001, and December 31, 2003, you must meet the qualification training requirement no later than December 31, 2003.

(iii) If you become a SAP on or after January 1, 2004, you must meet the qualification training requirement before you begin to perform SAP functions.

(d) *Continuing education.* During each three-year period from the date on which you satisfactorily complete the examination under paragraph (c)(2) of this section, you must complete continuing education consisting of at least 12 professional development hours (e.g., CEUs) relevant to performing SAP functions.

(1) This continuing education must include material concerning new technologies, interpretations, recent guidance, rule changes, and other information about developments in SAP practice, pertaining to the DOT program, since the time you met the qualification training requirements of this section.

(2) Your continuing education activities must include documentable assessment tools to assist you in determining whether you have adequately learned the material.

(e) *Documentation.* You must maintain documentation showing that you currently meet all requirements of this section. You must provide this documentation on request to DOT agency representatives and to employers and C/TPAs who are using or contemplating using your services.

[65 FR 79526, Dec. 19, 2000, as amended at 69 FR 3022, Jan. 22, 2004]

§ 40.283 How does a certification organization obtain recognition for its members as SAPs?

(a) If you represent a certification organization that wants DOT to authorize its certified drug and alcohol counselors to be added to § 40.281(a)(5), you may submit a written petition to DOT requesting a review of your petition for inclusion.

(b) You must obtain the National Commission for Certifying Agencies (NCCA) accreditation before DOT will act on your petition.

(c) You must also meet the minimum requirements of Appendix E to this part before DOT will act on your petition.

§ 40.285 When is a SAP evaluation required?

(a) As an employee, when you have violated DOT drug and alcohol regulations, you cannot again perform any DOT safety-sensitive duties for any

employer until and unless you complete the SAP evaluation, referral, and education/treatment process set forth in this subpart and in applicable DOT agency regulations. The first step in this process is a SAP evaluation.

(b) For purposes of this subpart, a verified positive DOT drug test result, a DOT alcohol test with a result indicating an alcohol concentration of 0.04 or greater, a refusal to test (including by adulterating or substituting a urine specimen) or any other violation of the prohibition on the use of alcohol or drugs under a DOT agency regulation constitutes a DOT drug and alcohol regulation violation.

§ 40.287 What information is an employer required to provide concerning SAP services to an employee who has a DOT drug and alcohol regulation violation?

As an employer, you must provide to each employee (including an applicant or new employee) who violates a DOT drug and alcohol regulation a listing of SAPs readily available to the employee and acceptable to you, with names, addresses, and telephone numbers. You cannot charge the employee any fee for compiling or providing this list. You may provide this list yourself or through a C/TPA or other service agent.

§ 40.289 Are employers required to provide SAP and treatment services to employees?

(a) As an employer, you are not required to provide a SAP evaluation or any subsequent recommended education or treatment for an employee who has violated a DOT drug and alcohol regulation.

(b) However, if you offer that employee an opportunity to return to a DOT safety-sensitive duty following a violation, you must, before the employee again performs that duty, ensure that the employee receives an evaluation by a SAP meeting the requirements of § 40.281 and that the employee successfully complies with the SAP's evaluation recommendations.

(c) Payment for SAP evaluations and services is left for employers and employees to decide and may be governed by existing management-labor agreements and health care benefits.

§ 40.291 What is the role of the SAP in the evaluation, referral, and treatment process of an employee who has violated DOT agency drug and alcohol testing regulations?

- (a) As a SAP, you are charged with:
 - (1) Making a face-to-face clinical assessment and evaluation to determine what assistance is needed by the employee to resolve problems associated with alcohol and/or drug use;
 - (2) Referring the employee to an appropriate education and/or treatment program;
 - (3) Conducting a face-to-face follow-up evaluation to determine if the employee has actively participated in the education and/or treatment program and has demonstrated successful compliance with the initial assessment and evaluation recommendations;
 - (4) Providing the DER with a follow-up drug and/or alcohol testing plan for the employee; and
 - (5) Providing the employee and employer with recommendations for continuing education and/or treatment.

(b) As a SAP, you are not an advocate for the employer or employee. Your function is to protect the public interest in safety by professionally evaluating the employee and recommending appropriate education/treatment, follow-up tests, and aftercare.

§ 40.293 What is the SAP’s function in conducting the initial evaluation of an employee?

As a SAP, for every employee who comes to you following a DOT drug and alcohol regulation violation, you must accomplish the following:

- (a) Provide a comprehensive face-to-face assessment and clinical evaluation.
- (b) Recommend a course of education and/or treatment with which the employee must demonstrate successful compliance prior to returning to DOT safety-sensitive duty.

(1) You must make such a recommendation for every individual who has violated a DOT drug and alcohol regulation.

(2) You must make a recommendation for education and/or treatment that will, to the greatest extent possible, protect public safety in the event

that the employee returns to the performance of safety-sensitive functions.

(c) Appropriate education may include, but is not limited to, self-help groups (e.g., Alcoholics Anonymous) and community lectures, where attendance can be independently verified, and bona fide drug and alcohol education courses.

(d) Appropriate treatment may include, but is not limited to, in-patient hospitalization, partial in-patient treatment, out-patient counseling programs, and aftercare.

(e) You must provide a written report directly to the DER highlighting your specific recommendations for assistance (see § 40.311(c)).

(f) For purposes of your role in the evaluation process, you must assume that a verified positive test result has conclusively established that the employee committed a DOT drug and alcohol regulation violation. You must not take into consideration in any way, as a factor in determining what your recommendation will be, any of the following:

- (1) A claim by the employee that the test was unjustified or inaccurate;
- (2) Statements by the employee that attempt to mitigate the seriousness of a violation of a DOT drug or alcohol regulation (e.g., related to assertions of use of hemp oil, “medical marijuana” use, “contact positives,” poppy seed ingestion, job stress); or

(3) Personal opinions you may have about the justification or rationale for drug and alcohol testing.

(g) In the course of gathering information for purposes of your evaluation in the case of a drug-related violation, you may consult with the MRO. As the MRO, you are required to cooperate with the SAP and provide available information the SAP requests. It is not necessary to obtain the consent of the employee to provide this information.

§ 40.295 May employees or employers seek a second SAP evaluation if they disagree with the first SAP’s recommendations?

(a) As an employee with a DOT drug and alcohol regulation violation, when you have been evaluated by a SAP, you

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must not seek a second SAP's evaluation in order to obtain another recommendation.

(b) As an employer, you must not seek a second SAP's evaluation if the employee has already been evaluated by a qualified SAP. If the employee, contrary to paragraph (a) of this section, has obtained a second SAP evaluation, as an employer you may not rely on it for any purpose under this part.

§ 40.297 Does anyone have the authority to change a SAP's initial evaluation?

(a) Except as provided in paragraph (b) of this section, no one (*e.g.*, an employer, employee, a managed-care provider, any service agent) may change in any way the SAP's evaluation or recommendations for assistance. For example, a third party is not permitted to make more or less stringent a SAP's recommendation by changing the SAP's evaluation or seeking another SAP's evaluation.

(b) The SAP who made the initial evaluation may modify his or her initial evaluation and recommendations based on new or additional information (*e.g.*, from an education or treatment program).

§ 40.299 What is the SAP's role and what are the limits on a SAP's discretion in referring employees for education and treatment?

(a) As a SAP, upon your determination of the best recommendation for assistance, you will serve as a referral source to assist the employee's entry into a education and/or treatment program.

(b) To prevent the appearance of a conflict of interest, you must not refer an employee requiring assistance to your private practice or to a person or organization from which you receive payment or to a person or organization in which you have a financial interest. You are precluded from making referrals to entities with which you are financially associated.

(c) There are four exceptions to the prohibitions contained in paragraph (b) of this section. You may refer an employee to any of the following providers of assistance, regardless of your relationship with them:

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(1) A public agency (*e.g.*, treatment facility) operated by a state, county, or municipality;

(2) The employer or a person or organization under contract to the employer to provide alcohol or drug treatment and/or education services (*e.g.*, the employer's contracted treatment provider);

(3) The sole source of therapeutically appropriate treatment under the employee's health insurance program (*e.g.*, the single substance abuse in-patient treatment program made available by the employee's insurance coverage plan); or

(4) The sole source of therapeutically appropriate treatment reasonably available to the employee (*e.g.*, the only treatment facility or education program reasonably located within the general commuting area).

§ 40.301 What is the SAP's function in the follow-up evaluation of an employee?

(a) As a SAP, after you have prescribed assistance under § 40.293, you must re-evaluate the employee to determine if the employee has successfully carried out your education and/or treatment recommendations.

(1) This is your way to gauge for the employer the employee's ability to demonstrate successful compliance with the education and/or treatment plan.

(2) Your evaluation may serve as one of the reasons the employer decides to return the employee to safety-sensitive duty.

(b) As the SAP making the follow-up evaluation determination, you must:

(1) Confer with or obtain appropriate documentation from the appropriate education and/or treatment program professionals where the employee was referred; and

(2) Conduct a face-to-face clinical interview with the employee to determine if the employee demonstrates successful compliance with your initial evaluation recommendations.

(c) (1) If the employee has demonstrated successful compliance, you must provide a written report directly to the DER highlighting your clinical determination that the employee has

done so with your initial evaluation recommendation (see § 40.311(d)).

(2) You may determine that an employee has successfully demonstrated compliance even though the employee has not yet completed the full regimen of education and/or treatment you recommended or needs additional assistance. For example, if the employee has successfully completed the 30-day in-patient program you prescribed, you may make a “successful compliance” determination even though you conclude that the employee has not yet completed the out-patient counseling you recommended or should continue in an aftercare program.

(d)(1) As the SAP, if you believe, as a result of the follow-up evaluation, that the employee has not demonstrated successful compliance with your recommendations, you must provide written notice directly to the DER (see § 40.311(e)).

(2) As an employer who receives the SAP’s written notice that the employee has not successfully complied with the SAP’s recommendations, you must not return the employee to the performance of safety-sensitive duties.

(3) As the SAP, you may conduct additional follow-up evaluation(s) if the employer determines that doing so is consistent with the employee’s progress as you have reported it and with the employer’s policy and/or labor-management agreements.

(4) As the employer, following a SAP report that the employee has not demonstrated successful compliance, you may take personnel action consistent with your policy and/or labor-management agreements.

§ 40.303 What happens if the SAP believes the employee needs additional treatment, aftercare, or support group services even after the employee returns to safety-sensitive duties?

(a) As a SAP, if you believe that ongoing services (in addition to follow-up tests) are needed to assist an employee to maintain sobriety or abstinence from drug use after the employee resumes the performance of safety-sensitive duties, you must provide recommendations for these services in your follow-up evaluation report (see § 40.311(d)(10)).

(b) As an employer receiving a recommendation for these services from a SAP, you may, as part of a return-to-duty agreement with the employee, require the employee to participate in the recommended services. You may monitor and document the employee’s participation in the recommended services. You may also make use of SAP and employee assistance program (EAP) services in assisting and monitoring employees’ compliance with SAP recommendations. Nothing in this section permits an employer to fail to carry out its obligations with respect to follow-up testing (see § 40.309).

(c) As an employee, you are obligated to comply with the SAP’s recommendations for these services. If you fail or refuse to do so, you may be subject to disciplinary action by your employer.

§ 40.305 How does the return-to-duty process conclude?

(a) As the employer, if you decide that you want to permit the employee to return to the performance of safety-sensitive functions, you must ensure that the employee takes a return-to-duty test. This test cannot occur until after the SAP has determined that the employee has successfully complied with prescribed education and/or treatment. The employee must have a negative drug test result and/or an alcohol test with an alcohol concentration of less than 0.02 before resuming performance of safety-sensitive duties.

(b) As an employer, you must not return an employee to safety-sensitive duties until the employee meets the conditions of paragraph (a) of this section. However, you are not required to return an employee to safety-sensitive duties because the employee has met these conditions. That is a personnel decision that you have the discretion to make, subject to collective bargaining agreements or other legal requirements.

(c) As a SAP or MRO, you must not make a “fitness for duty” determination as part of this re-evaluation unless required to do so under an applicable DOT agency regulation. It is the employer, rather than you, who must decide whether to put the employee back to work in a safety-sensitive position.

§ 40.307 What is the SAP's function in prescribing the employee's follow-up tests?

(a) As a SAP, for each employee who has committed a DOT drug or alcohol regulation violation, and who seeks to resume the performance of safety-sensitive functions, you must establish a written follow-up testing plan. You do not establish this plan until after you determine that the employee has successfully complied with your recommendations for education and/or treatment.

(b) You must present a copy of this plan directly to the DER (see § 40.311(d)(9)).

(c) You are the sole determiner of the number and frequency of follow-up tests and whether these tests will be for drugs, alcohol, or both, unless otherwise directed by the appropriate DOT agency regulation. For example, if the employee had a positive drug test, but your evaluation or the treatment program professionals determined that the employee had an alcohol problem as well, you should require that the employee have follow-up tests for both drugs and alcohol.

(d) However, you must, at a minimum, direct that the employee be subject to six unannounced follow-up tests in the first 12 months of safety-sensitive duty following the employee's return to safety-sensitive functions.

(1) You may require a greater number of follow-up tests during the first 12-month period of safety-sensitive duty (e.g., you may require one test a month during the 12-month period; you may require two tests per month during the first 6-month period and one test per month during the final 6-month period).

(2) You may also require follow-up tests during the 48 months of safety-sensitive duty following this first 12-month period.

(3) You are not to establish the actual dates for the follow-up tests you prescribe. The decision on specific dates to test is the employer's.

(4) As the employer, you must not impose additional testing requirements (e.g., under company authority) on the employee that go beyond the SAP's follow-up testing plan.

(e) The requirements of the SAP's follow-up testing plan "follow the employee" to subsequent employers or through breaks in service.

Example 1 to Paragraph (e): The employee returns to duty with Employer A. Two months afterward, after completing the first two of six follow-up tests required by the SAP's plan, the employee quits his job with Employer A and begins to work in a similar position for Employer B. The employee remains obligated to complete the four additional tests during the next 10 months of safety-sensitive duty, and Employer B is responsible for ensuring that the employee does so. Employer B learns of this obligation through the inquiry it makes under § 40.25.

Example 2 to Paragraph (e): The employee returns to duty with Employer A. Three months later, after the employee completes the first two of six follow-up tests required by the SAP's plan, Employer A lays the employee off for economic or seasonal employment reasons. Four months later, Employer A recalls the employee. Employer A must ensure that the employee completes the remaining four follow-up tests during the next nine months.

(f) As the SAP, you may modify the determinations you have made concerning follow-up tests. For example, even if you recommended follow-up testing beyond the first 12-months, you can terminate the testing requirement at any time after the first year of testing. You must not, however, modify the requirement that the employee take at least six follow-up tests within the first 12 months after returning to the performance of safety-sensitive functions.

§ 40.309 What are the employer's responsibilities with respect to the SAP's directions for follow-up tests?

(a) As the employer, you must carry out the SAP's follow-up testing requirements. You may not allow the employee to continue to perform safety-sensitive functions unless follow-up testing is conducted as directed by the SAP.

(b) You should schedule follow-up tests on dates of your own choosing, but you must ensure that the tests are unannounced with no discernable pattern as to their timing, and that the employee is given no advance notice.

(c) You cannot substitute any other tests (e.g., those carried out under the random testing program) conducted on

the employee for this follow-up testing requirement.

(d) You cannot count a follow-up test that has been cancelled as a completed test. A cancelled follow-up test must be recollected.

§ 40.311 What are the requirements concerning SAP reports?

(a) As the SAP conducting the required evaluations, you must send the written reports required by this section in writing directly to the DER and not to a third party or entity for forwarding to the DER (except as provided in § 40.355(e)). You may, however, forward the document simultaneously to the DER and to a C/TPA.

(b) As an employer, you must ensure that you receive SAP written reports directly from the SAP performing the evaluation and that no third party or entity changed the SAP's report in any way.

(c) The SAP's written report, following an initial evaluation that determines what level of assistance is needed to address the employee's drug and/or alcohol problems, must be on the SAP's own letterhead (and not the letterhead of another service agent) signed and dated by the SAP, and must contain the following delineated items:

- (1) Employee's name and SSN;
- (2) Employer's name and address;
- (3) Reason for the assessment (specific violation of DOT regulations and violation date);
- (4) Date(s) of the assessment;
- (5) SAP's education and/or treatment recommendation; and
- (6) SAP's telephone number.

(d) The SAP's written report concerning a follow-up evaluation that determines the employee has demonstrated successful compliance must be on the SAP's own letterhead (and not the letterhead of another service agent), signed by the SAP and dated, and must contain the following items:

- (1) Employee's name and SSN;
- (2) Employer's name and address;
- (3) Reason for the initial assessment (specific violation of DOT regulations and violation date);
- (4) Date(s) of the initial assessment and synopsis of the treatment plan;

(5) Name of practice(s) or service(s) providing the recommended education and/or treatment;

(6) Inclusive dates of employee's program participation;

(7) Clinical characterization of employee's program participation;

(8) SAP's clinical determination as to whether the employee has demonstrated successful compliance;

(9) Follow-up testing plan;

(10) Employee's continuing care needs with specific treatment, aftercare, and/or support group services recommendations; and

(11) SAP's telephone number.

(e) The SAP's written report concerning a follow-up evaluation that determines the employee has not demonstrated successful compliance must be on the SAP's own letterhead (and not the letterhead of another service agent), signed by the SAP and dated, and must contain the following items:

- (1) Employee's name and SSN;
- (2) Employer's name and address;
- (3) Reason for the initial assessment (specific DOT violation and date);
- (4) Date(s) of initial assessment and synopsis of treatment plan;
- (5) Name of practice(s) or service(s) providing the recommended education and/or treatment;
- (6) Inclusive dates of employee's program participation;
- (7) Clinical characterization of employee's program participation;
- (8) Date(s) of the first follow-up evaluation;
- (9) Date(s) of any further follow-up evaluation the SAP has scheduled;
- (10) SAP's clinical reasons for determining that the employee has not demonstrated successful compliance; and
- (11) SAP's telephone number.

(f) As a SAP, you must also provide these written reports directly to the employee if the employee has no current employer and to the gaining DOT regulated employer in the event the employee obtains another transportation industry safety-sensitive position.

(g) As a SAP, you are to maintain copies of your reports to employers for 5 years, and your employee clinical records in accordance with Federal, state, and local laws regarding record

maintenance, confidentiality, and release of information. You must make these records available, on request, to DOT agency representatives (*e.g.*, inspectors conducting an audit or safety investigation) and representatives of the NTSB in an accident investigation.

(h) As an employer, you must maintain your reports from SAPs for 5 years from the date you received them.

§ 40.313 Where is other information on SAP functions and the return-to-duty process found in this regulation?

You can find other information on the role and functions of SAPs in the following sections of this part:

§ 40.3—Definition.

§ 40.347—Service agent assistance with SAP-required follow-up testing.

§ 40.355—Transmission of SAP reports.

§ 40.329(c)—Making SAP reports available to employees on request.

APPENDIX E TO PART 40—SAP EQUIVALENCY REQUIREMENTS FOR CERTIFICATION ORGANIZATIONS.

Subpart P—Confidentiality and Release of Information

§ 40.321 What is the general confidentiality rule for drug and alcohol test information?

Except as otherwise provided in this subpart, as a service agent or employer participating in the DOT drug or alcohol testing process, you are prohibited from releasing individual test results or medical information about an employee to third parties without the employee's specific written consent.

(a) A "third party" is any person or organization to whom other subparts of this regulation do not explicitly authorize or require the transmission of information in the course of the drug or alcohol testing process.

(b) "Specific written consent" means a statement signed by the employee that he or she agrees to the release of a particular piece of information to a particular, explicitly identified, person or organization at a particular time. "Blanket releases," in which an employee agrees to a release of a category of information (*e.g.*, all test results) or to release information to a category of parties (*e.g.*, other employers who are members of a C/TPA, companies to

which the employee may apply for employment), are prohibited under this part.

§ 40.323 May program participants release drug or alcohol test information in connection with legal proceedings?

(a) As an employer, you may release information pertaining to an employee's drug or alcohol test without the employee's consent in certain legal proceedings.

(1) These proceedings include a lawsuit (*e.g.*, a wrongful discharge action), grievance (*e.g.*, an arbitration concerning disciplinary action taken by the employer), or administrative proceeding (*e.g.*, an unemployment compensation hearing) brought by, or on behalf of, an employee and resulting from a positive DOT drug or alcohol test or a refusal to test (including, but not limited to, adulterated or substituted test results).

(2) These proceedings also include a criminal or civil action resulting from an employee's performance of safety-sensitive duties, in which a court of competent jurisdiction determines that the drug or alcohol test information sought is relevant to the case and issues an order directing the employer to produce the information. For example, in personal injury litigation following a truck or bus collision, the court could determine that a post-accident drug test result of an employee is relevant to determining whether the driver or the driver's employer was negligent. The employer is authorized to respond to the court's order to produce the records.

(b) In such a proceeding, you may release the information to the decision-maker in the proceeding (*e.g.*, the court in a lawsuit). You may release the information only with a binding stipulation that the decisionmaker to whom it is released will make it available only to parties to the proceeding.

(c) If you are a service agent, and the employer requests its employee's drug or alcohol testing information from you to use in a legal proceeding as authorized in paragraph (a) of this section (*e.g.*, the laboratory's data package), you must provide the requested information to the employer.

(d) As an employer or service agent, you must immediately notify the employee in writing of any information you release under this section.

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§ 40.327 When must the MRO report medical information gathered in the verification process?

(a) As the MRO, you must, except as provided in paragraph (c) of this section, report drug test results and medical information you learned as part of the verification process to third parties without the employee's consent if you determine, in your reasonable medical judgment, that:

(1) The information is likely to result in the employee being determined to be medically unqualified under an applicable DOT agency regulation; or

(2) The information indicates that continued performance by the employee of his or her safety-sensitive function is likely to pose a significant safety risk.

(b) The third parties to whom you are authorized to provide information by this section include the employer, a physician or other health care provider responsible for determining the medical qualifications of the employee under an applicable DOT agency safety regulation, a SAP evaluating the employee as part of the return to duty process (see § 40.293(g)), a DOT agency, or the National Transportation Safety Board in the course of an accident investigation.

(c) If the law of a foreign country (e.g., Canada) prohibits you from providing medical information to the employer, you may comply with that prohibition.

§ 40.329 What information must laboratories, MROs, and other service agents release to employees?

(a) As an MRO or service agent you must provide, within 10 business days of receiving a written request from an employee, copies of any records pertaining to the employee's use of alcohol and/or drugs, including records of the employee's DOT-mandated drug and/or alcohol tests. You may charge no more than the cost of preparation and reproduction for copies of these records.

(b) As a laboratory, you must provide, within 10 business days of receiving a written request from an employee, and made through the MRO, the records relating to the results of the employee's drug test (i.e., laboratory report and data package). You may charge no more than the cost of preparation and reproduction for copies of these records.

(c) As a SAP, you must make available to an employee, on request, a copy of all SAP reports (see § 40.311). However, you must redact follow-up testing information from the report before providing it to the employee.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41954, Aug. 9, 2001]

§ 40.331 To what additional parties must employers and service agents release information?

As an employer or service agent you must release information under the following circumstances:

(a) If you receive a specific, written consent from an employee authorizing the release of information about that employee's drug or alcohol tests to an identified person, you must provide the information to the identified person. For example, as an employer, when you receive a written request from a former employee to provide information to a subsequent employer, you must do so. In providing the information, you must comply with the terms of the employee's consent.

(b) If you are an employer, you must, upon request of DOT agency representatives, provide the following:

(1) Access to your facilities used for this part and DOT agency drug and alcohol program functions.

(2) All written, printed, and computer-based drug and alcohol program records and reports (including copies of name-specific records or reports), files, materials, data, documents/documenta-tion, agreements, contracts, policies, and statements that are required by this part and DOT agency regulations. You must provide this information at your principal place of business in the time required by the DOT agency.

(3) All items in paragraph (b)(2) of this section must be easily accessible, legible, and provided in an organized manner. If electronic records do not

meet these standards, they must be converted to printed documentation that meets these standards.

(c) If you are a service agent, you must, upon request of DOT agency representatives, provide the following:

(1) Access to your facilities used for this part and DOT agency drug and alcohol program functions.

(2) All written, printed, and computer-based drug and alcohol program records and reports (including copies of name-specific records or reports), files, materials, data, documents/documentation, agreements, contracts, policies, and statements that are required by this part and DOT agency regulations. You must provide this information at your principal place of business in the time required by the DOT agency.

(3) All items in paragraph (c)(2) of this section must be easily accessible, legible, and provided in an organized manner. If electronic records do not meet these standards, they must be converted to printed documentation that meets these standards.

(d) If requested by the National Transportation Safety Board as part of an accident investigation, you must provide information concerning post-accident tests administered after the accident.

(e) If requested by a Federal, state or local safety agency with regulatory authority over you or the employee, you must provide drug and alcohol test records concerning the employee.

(f) Except as otherwise provided in this part, as a laboratory you must not release or provide a specimen or a part of a specimen to a requesting party, without first obtaining written consent from ODAPC. If a party seeks a court order directing you to release a specimen or part of a specimen contrary to any provision of this part, you must take necessary legal steps to contest the issuance of the order (*e.g.*, seek to quash a subpoena, citing the requirements of § 40.13). This part does not require you to disobey a court order, however.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41955, Aug. 9, 2001]

§ 40.333 What records must employers keep?

(a) As an employer, you must keep the following records for the following periods of time:

(1) You must keep the following records for five years:

(i) Records of alcohol test results indicating an alcohol concentration of 0.02 or greater;

(ii) Records of verified positive drug test results;

(iii) Documentation of refusals to take required alcohol and/or drug tests (including substituted or adulterated drug test results);

(iv) SAP reports; and

(v) All follow-up tests and schedules for follow-up tests.

(2) You must keep records for three years of information obtained from previous employers under § 40.25 concerning drug and alcohol test results of employees.

(3) You must keep records of the inspection, maintenance, and calibration of EBTs, for two years.

(4) You must keep records of negative and cancelled drug test results and alcohol test results with a concentration of less than 0.02 for one year.

(b) You do not have to keep records related to a program requirement that does not apply to you (*e.g.*, a maritime employer who does not have a DOT-mandated random alcohol testing program need not maintain random alcohol testing records).

(c) You must maintain the records in a location with controlled access.

(d) A service agent may maintain these records for you. However, you must ensure that you can produce these records at your principal place of business in the time required by the DOT agency. For example, as a motor carrier, when an FMCSA inspector requests your records, you must ensure that you can provide them within two business days.

(e) If you store records electronically, where permitted by this part, you must ensure that the records are easily accessible, legible, and formatted and stored in an organized manner. If electronic records do not meet these criteria, you must convert them to printed documentation in a

rapid and readily auditable manner, at the request of DOT agency personnel.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41955, Aug. 9, 2001]

Subpart Q—Roles and Responsibilities of Service Agents

§ 40.341 Must service agents comply with DOT drug and alcohol testing requirements?

(a) As a service agent, the services you provide to transportation employers must meet the requirements of this part and the DOT agency drug and alcohol testing regulations.

(b) If you do not comply, DOT may take action under the Public Interest Exclusions procedures of this part (see Subpart R of this part) or applicable provisions of other DOT agency regulations.

§ 40.343 What tasks may a service agent perform for an employer?

As a service agent, you may perform for employers the tasks needed to comply with DOT agency drug and alcohol testing regulations, subject to the requirements and limitations of this part.

§ 40.345 In what circumstances may a C/TPA act as an intermediary in the transmission of drug and alcohol testing information to employers?

(a) As a C/TPA or other service agent, you may act as an intermediary in the transmission of drug and alcohol testing information in the circumstances specified in this section only if the employer chooses to have you do so. Each employer makes the decision about whether to receive some or all of this information from you, acting as an intermediary, rather than directly from the service agent who originates the information (*e.g.*, an MRO or BAT).

(b) The specific provisions of this part concerning which you may act as an intermediary are listed in Appendix F to this part. These are the only situations in which you may act as an intermediary. You are prohibited from doing so in all other situations.

(c) In every case, you must ensure that, in transmitting information to employers, you meet all requirements

(*e.g.*, concerning confidentiality and timing) that would apply if the service agent originating the information (*e.g.*, an MRO or collector) sent the information directly to the employer. For example, if you transmit drug testing results from MROs to DERs, you must transmit each drug test result to the DER in compliance with the MRO requirements set forth in § 40.167 .

§ 40.347 What functions may C/TPAs perform with respect to administering testing?

As a C/TPA, except as otherwise specified in this part, you may perform the following functions for employers concerning random selection and other selections for testing.

(a) You may operate random testing programs for employers and may assist (*i.e.*, through contracting with laboratories or collection sites, conducting collections) employers with other types of testing (*e.g.*, pre-employment, post-accident, reasonable suspicion, return-to-duty, and follow-up).

(b) You may combine employees from more than one employer or one transportation industry in a random pool if permitted by all the DOT agency drug and alcohol testing regulations involved.

(1) If you combine employees from more than one transportation industry, you must ensure that the random testing rate is at least equal to the highest rate required by each DOT agency.

(2) Employees not covered by DOT agency regulations may not be part of the same random pool with DOT covered employees.

(c) You may assist employers in ensuring that follow-up testing is conducted in accordance with the plan established by the SAP. However, neither you nor the employer are permitted to randomly select employees from a “follow-up pool” for follow-up testing.

§ 40.349 What records may a service agent receive and maintain?

(a) Except where otherwise specified in this part, as a service agent you may receive and maintain all records concerning DOT drug and alcohol testing programs, including positive, negative, and refusal to test individual test results. You do not need the employee's

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consent to receive and maintain these records.

(b) You may maintain all information needed for operating a drug/alcohol program (*e.g.*, CCFs, ATFs, names of employees in random pools, random selection lists, copies of notices to employers of selected employees) on behalf of an employer.

(c) If a service agent originating drug or alcohol testing information, such as an MRO or BAT, sends the information directly to the DER, he or she may also provide the information simultaneously to you, as a C/TPA or other service agent who maintains this information for the employer.

(d) If you are serving as an intermediary in transmitting information that is required to be provided to the employer, you must ensure that it reaches the employer in the same time periods required elsewhere in this part.

(e) You must ensure that you can make available to the employer within two business days any information the employer is asked to produce by a DOT agency representative.

(f) On request of an employer, you must, at any time on the request of an employer, transfer immediately all records pertaining to the employer and its employees to the employer or to any other service agent the employer designates. You must carry out this transfer as soon as the employer requests it. You are not required to obtain employee consent for this transfer. You must not charge more than your reasonable administrative costs for conducting this transfer. You may not charge a fee for the release of these records.

(g) If you are planning to go out of business or your organization will be bought by or merged with another organization, you must immediately notify all employers and offer to transfer all records pertaining to the employer and its employees to the employer or to any other service agent the employer designates. You must carry out this transfer as soon as the employer requests it. You are not required to obtain employee consent for this transfer. You must not charge more than your reasonable administrative costs for conducting this transfer. You may

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not charge a fee for the release of these records.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41955, Aug. 9, 2001]

§ 40.351 What confidentiality requirements apply to service agents?

Except where otherwise specified in this part, as a service agent the following confidentiality requirements apply to you:

(a) When you receive or maintain confidential information about employees (*e.g.*, individual test results), you must follow the same confidentiality regulations as the employer with respect to the use and release of this information.

(b) You must follow all confidentiality and records retention requirements applicable to employers.

(c) You may not provide individual test results or other confidential information to another employer without a specific, written consent from the employee. For example, suppose you are a C/TPA that has employers X and Y as clients. Employee Jones works for X, and you maintain Jones' drug and alcohol test for X. Jones wants to change jobs and work for Y. You may not inform Y of the result of a test conducted for X without having a specific, written consent from Jones. Likewise, you may not provide this information to employer Z, who is not a C/TPA member, without this consent.

(d) You must not use blanket consent forms authorizing the release of employee testing information.

(e) You must establish adequate confidentiality and security measures to ensure that confidential employee records are not available to unauthorized persons. This includes protecting the physical security of records, access controls, and computer security measures to safeguard confidential data in electronic data bases.

§ 40.353 What principles govern the interaction between MROs and other service agents?

As a service agent other than an MRO (*e.g.*, a C/TPA), the following principles govern your interaction with MROs:

(a) You may provide MRO services to employers, directly or through contract, if you meet all applicable provisions of this part.

(b) If you employ or contract for an MRO, the MRO must perform duties independently and confidentially. When you have a relationship with an MRO, you must structure the relationship to ensure that this independence and confidentiality are not compromised. Specific means (including both physical and operational measures, as appropriate) to separate MRO functions and other service agent functions are essential.

(c) Only your staff who are actually under the day-to-day supervision and control of an MRO with respect to MRO functions may perform these functions. This does not mean that those staff may not perform other functions at other times. However, the designation of your staff to perform MRO functions under MRO supervision must be limited and not used as a subterfuge to circumvent confidentiality and other requirements of this part and DOT agency regulations. You must ensure that MRO staff operate under controls sufficient to ensure that the independence and confidentiality of the MRO process are not compromised.

(d) Like other MROs, an MRO you employ or contract with must personally conduct verification interviews with employees and must personally make all verification decisions. Consequently, your staff cannot perform these functions.

§ 40.355 What limitations apply to the activities of service agents?

As a service agent, you are subject to the following limitations concerning your activities in the DOT drug and alcohol testing program.

(a) You must not require an employee to sign a consent, release, waiver of liability, or indemnification agreement with respect to any part of the drug or alcohol testing process covered by this part (including, but not limited to, collections, laboratory testing, MRO, and SAP services). No one may do so on behalf of a service agent.

(b) You must not act as an intermediary in the transmission of drug test results from the laboratory to the

MRO. That is, the laboratory may not send results to you, with you in turn sending them to the MRO for verification. For example, a practice in which the laboratory transmits results to your computer system, and you then assign the results to a particular MRO, is not permitted.

(c) You must not transmit drug test results directly from the laboratory to the employer (by electronic or other means) or to a service agent who forwards them to the employer. All confirmed laboratory results must be processed by the MRO before they are released to any other party.

(d) You must not act as an intermediary in the transmission of alcohol test results of 0.02 or higher from the STT or BAT to the DER.

(e) Except as provided in paragraph (f) of this section, you must not act as an intermediary in the transmission of individual SAP reports to the actual employer. That is, the SAP may not send such reports to you, with you in turn sending them to the actual employer. However, you may maintain individual SAP summary reports and follow-up testing plans after they are sent to the DER, and the SAP may transmit such reports to you simultaneously with sending them to the DER.

(f) As an exception to paragraph (e) of this section, you may act as an intermediary in the transmission of SAP report from the SAP to an owner-operator or other self-employed individual.

(g) Except as provided in paragraph (h) of this section, you must not make decisions to test an employee based upon reasonable suspicion, post-accident, return-to-duty, and follow-up determination criteria. These are duties the actual employer cannot delegate to a C/TPA. You may, however, provide advice and information to employers regarding these testing issues and how the employer should schedule required testing.

(h) As an exception to paragraph (g) of this section, you may make decisions to test an employee based upon reasonable suspicion, post-accident, return-to-duty, and follow-up determination criteria with respect to an owner-operator or other self-employed individual.

(i) Except as provided in paragraph (j) of this section, you must not make a determination that an employee has refused a drug or alcohol test. This is a non-delegable duty of the actual employer. You may, however, provide advice and information to employers regarding refusal-to-test issues.

(j) As an exception to paragraph (i) of this section, you may make a determination that an employee has refused a drug or alcohol test, if:

(1) You schedule a required test for an owner-operator or other self-employed individual, and the individual fails to appear for the test without a legitimate reason; or

(2) As an MRO, you determine that an individual has refused to test on the basis of adulteration or substitution.

(k) You must not act as a DER. For example, while you may be responsible for transmitting information to the employer about test results, you must not act on behalf of the employer in actions to remove employees from safety-sensitive duties.

(l) In transmitting documents to laboratories, you must ensure that you send to the laboratory that conducts testing only the laboratory copy of the CCF. You must not transmit other copies of the CCF or any ATFs to the laboratory.

(m) You must not impose conditions or requirements on employers that DOT regulations do not authorize. For example, as a C/TPA serving employers in the pipeline or motor carrier industry, you must not require employers to have provisions in their DOT plans that RSPA or FMCSA regulations do not require.

(n) You must not intentionally delay the transmission of drug or alcohol testing-related documents concerning actions you have performed, because of a payment dispute or other reasons.

Example 1 to Paragraph (n): A laboratory that has tested a specimen must not delay transmitting the documentation of the test result to an MRO because of a billing or payment dispute with the MRO or a C/TPA.

Example 2 to Paragraph (n): An MRO or SAP who has interviewed an employee must not delay sending a verified test result or SAP report to the employer because of such a dispute with the employer or employee.

Example 3 to Paragraph (n): A collector who has performed a urine specimen collection

must not delay sending the drug specimen and CCF to the laboratory because of a payment or other dispute with the laboratory or a C/TPA.

Example 4 to Paragraph (n): A BAT who has conducted an alcohol test must not delay sending test result information to an employer or C/TPA because of a payment or other dispute with the employer or C/TPA.

(o) While you must follow the DOT agency regulations, the actual employer remains accountable to DOT for compliance, and your failure to implement any aspect of the program as required in this part and other applicable DOT agency regulations makes the employer subject to enforcement action by the Department.

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41955, Aug. 9, 2001]

Subpart R—Public Interest Exclusions

§ 40.361 What is the purpose of a public interest exclusion (PIE)?

(a) To protect the public interest, including protecting transportation employers and employees from serious noncompliance with DOT drug and alcohol testing rules, the Department's policy is to ensure that employers conduct business only with responsible service agents.

(b) The Department therefore uses PIEs to exclude from participation in DOT's drug and alcohol testing program any service agent who, by serious noncompliance with this part or other DOT agency drug and alcohol testing regulations, has shown that it is not currently acting in a responsible manner.

(c) A PIE is a serious action that the Department takes only to protect the public interest. We intend to use PIEs only to remedy situations of serious noncompliance. PIEs are not used for the purpose of punishment.

(d) Nothing in this subpart precludes a DOT agency or the Inspector General from taking other action authorized by its regulations with respect to service agents or employers that violate its regulations.

§ 40.363 On what basis may the Department issue a PIE?

(a) If you are a service agent, the Department may issue a PIE concerning you if we determine that you have failed or refused to provide drug or alcohol testing services consistent with the requirements of this part or a DOT agency drug and alcohol regulation.

(b) The Department also may issue a PIE if you have failed to cooperate with DOT agency representatives concerning inspections, complaint investigations, compliance and enforcement reviews, or requests for documents and other information about compliance with this part or DOT agency drug and alcohol regulations.

§ 40.365 What is the Department's policy concerning starting a PIE proceeding?

(a) It is the Department's policy to start a PIE proceeding only in cases of serious, uncorrected noncompliance with the provisions of this part, affecting such matters as safety, the outcomes of test results, privacy and confidentiality, due process and fairness for employees, the honesty and integrity of the testing program, and cooperation with or provision of information to DOT agency representatives.

(b) The following are examples of the kinds of serious noncompliance that, as a matter of policy, the Department views as appropriate grounds for starting a PIE proceeding. These examples are not intended to be an exhaustive or exclusive list of the grounds for starting a PIE proceeding. We intend them to illustrate the level of seriousness that the Department believes supports starting a PIE proceeding. The examples follow:

(1) For an MRO, verifying tests positive without interviewing the employees as required by this part or providing MRO services without meeting the qualifications for an MRO required by this part;

(2) For a laboratory, refusing to provide information to the Department, an employer, or an employee as required by this part; failing or refusing to conduct a validity testing program when required by this part; or a pattern or practice of testing errors that result in the cancellation of tests. (As

a general matter of policy, the Department does not intend to initiate a PIE proceeding concerning a laboratory with respect to matters on which HHS initiates certification actions under its laboratory guidelines.);

(3) For a collector, a pattern or practice of directly observing collections when doing so is unauthorized, or failing or refusing to directly observe collections when doing so is mandatory;

(4) For collectors, BATs, or STTs, a pattern or practice of using forms, testing equipment, or collection kits that do not meet the standards in this part;

(5) For a collector, BAT, or STT, a pattern or practice of "fatal flaws" or other significant uncorrected errors in the collection process;

(6) For a laboratory, MRO or C/TPA, failing or refusing to report tests results as required by this part or DOT agency regulations;

(7) For a laboratory, falsifying, concealing, or destroying documentation concerning any part of the drug testing process, including, but not limited to, documents in a "litigation package";

(8) For SAPs, providing SAP services while not meeting SAP qualifications required by this part or performing evaluations without face-to-face interviews;

(9) For any service agent, maintaining a relationship with another party that constitutes a conflict of interest under this part (*e.g.*, a laboratory that derives a financial benefit from having an employer use a specific MRO);

(10) For any service agent, representing falsely that the service agent or its activities is approved or certified by the Department or a DOT agency;

(11) For any service agent, disclosing an employee's test result information to any party this part or a DOT agency regulation does not authorize, including by obtaining a "blanket" consent from employees or by creating a data base from which employers or others can retrieve an employee's DOT test results without the specific consent of the employee;

(12) For any service agent, interfering or attempting to interfere with the ability of an MRO to communicate with the Department, or retaliating

against an MRO for communicating with the Department;

(13) For any service agent, directing or recommending that an employer fail or refuse to implement any provision of this part; or

(14) With respect to noncompliance with a DOT agency regulation, conduct that affects important provisions of Department-wide concern (*e.g.*, failure to properly conduct the selection process for random testing).

§ 40.367 Who initiates a PIE proceeding?

The following DOT officials may initiate a PIE proceeding:

(a) The drug and alcohol program manager of a DOT agency;

(b) An official of ODAPC, other than the Director; or

(c) The designee of any of these officials.

§ 40.369 What is the discretion of an initiating official in starting a PIE proceeding?

(a) Initiating officials have broad discretion in deciding whether to start a PIE proceeding.

(b) In exercising this discretion, the initiating official must consider the Department's policy regarding the seriousness of the service agent's conduct (see § 40.365) and all information he or she has obtained to this point concerning the facts of the case. The initiating official may also consider the availability of the resources needed to pursue a PIE proceeding.

(c) A decision not to initiate a PIE proceeding does not necessarily mean that the Department regards a service agent as being in compliance or that the Department may not use other applicable remedies in a situation of non-compliance.

§ 40.371 On what information does an initiating official rely in deciding whether to start a PIE proceeding?

(a) An initiating official may rely on credible information from any source as the basis for starting a PIE proceeding.

(b) Before sending a correction notice (see § 40.373), the initiating official informally contacts the service agent to determine if there is any information that may affect the initiating official's

determination about whether it is necessary to send a correction notice. The initiating official may take any information resulting from this contact into account in determining whether to proceed under this subpart.

§ 40.373 Before starting a PIE proceeding, does the initiating official give the service agent an opportunity to correct problems?

(a) If you are a service agent, the initiating official must send you a correction notice before starting a PIE proceeding.

(b) The correction notice identifies the specific areas in which you must come into compliance in order to avoid being subject to a PIE proceeding.

(c) If you make and document changes needed to come into compliance in the areas listed in the correction notice to the satisfaction of the initiating official within 60 days of the date you receive the notice, the initiating official does not start a PIE proceeding. The initiating official may conduct appropriate fact finding to verify that you have made and maintained satisfactory corrections. When he or she is satisfied that you are in compliance, the initiating official sends you a notice that the matter is concluded.

§ 40.375 How does the initiating official start a PIE proceeding?

(a) As a service agent, if your compliance matter is not correctable (see § 40.373(a)), or if have not resolved compliance matters as provided in § 40.373(c), the initiating official starts a PIE proceeding by sending you a notice of proposed exclusion (NOPE). The NOPE contains the initiating official's recommendations concerning the issuance of a PIE, but it is not a decision by the Department to issue a PIE.

(b) The NOPE includes the following information:

(1) A statement that the initiating official is recommending that the Department issue a PIE concerning you;

(2) The factual basis for the initiating official's belief that you are not providing drug and/or alcohol testing services to DOT-regulated employers consistent with the requirements of

this part or are in serious noncompliance with a DOT agency drug and alcohol regulation;

(3) The factual basis for the initiating official's belief that your noncompliance has not been or cannot be corrected;

(4) The initiating official's recommendation for the scope of the PIE;

(5) The initiating official's recommendation for the duration of the PIE; and

(6) A statement that you may contest the issuance of the proposed PIE, as provided in § 40.379.

(c) The initiating official sends a copy of the NOPE to the ODAPC Director at the same time he or she sends the NOPE to you.

§ 40.377 Who decides whether to issue a PIE?

(a) The ODAPC Director, or his or her designee, decides whether to issue a PIE. If a designee is acting as the decisionmaker, all references in this subpart to the Director refer to the designee.

(b) To ensure his or her impartiality, the Director plays no role in the initiating official's determination about whether to start a PIE proceeding.

(c) There is a "firewall" between the initiating official and the Director. This means that the initiating official and the Director are prohibited from having any discussion, contact, or exchange of information with one another about the matter, except for documents and discussions that are part of the record of the proceeding.

§ 40.379 How do you contest the issuance of a PIE?

(a) If you receive a NOPE, you may contest the issuance of the PIE.

(b) If you want to contest the proposed PIE, you must provide the Director information and argument in opposition to the proposed PIE in writing, in person, and/or through a representative. To contest the proposed PIE, you must take one or more of the steps listed in this paragraph (b) within 30 days after you receive the NOPE.

(1) You may request that the Director dismiss the proposed PIE without further proceedings, on the basis that it does not concern serious noncompli-

ance with this part or DOT agency regulations, consistent with the Department's policy as stated in § 40.365.

(2) You may present written information and arguments, consistent with the provisions of § 40.381, contesting the proposed PIE.

(3) You may arrange with the Director for an informal meeting to present your information and arguments.

(c) If you do not take any of the actions listed in paragraph (b) of this section within 30 days after you receive the NOPE, the matter proceeds as an uncontested case. In this event, the Director makes his or her decision based on the record provided by the initiating official (*i.e.*, the NOPE and any supporting information or testimony) and any additional information the Director obtains.

§ 40.381 What information do you present to contest the proposed issuance of a PIE?

(a) As a service agent who wants to contest a proposed PIE, you must present at least the following information to the Director:

(1) Specific facts that contradict the statements contained in the NOPE (see § 40.375(b)(2) and (3)). A general denial is insufficient to raise a genuine dispute over facts material to the issuance of a PIE;

(2) Identification of any existing, proposed or prior PIE; and

(3) Identification of your affiliates, if any.

(b) You may provide any information and arguments you wish concerning the proposed issuance, scope and duration of the PIE (see § 40.375(b)(4) and (5)).

(c) You may provide any additional relevant information or arguments concerning any of the issues in the matter.

§ 40.383 What procedures apply if you contest the issuance of a PIE?

(a) DOT conducts PIE proceedings in a fair and informal manner. The Director may use flexible procedures to allow you to present matters in opposition. The Director is not required to follow formal rules of evidence or procedure in creating the record of the proceeding.

(b) The Director will consider any information or argument he or she determines to be relevant to the decision on the matter.

(c) You may submit any documentary evidence you want the Director to consider. In addition, if you have arranged an informal meeting with the Director, you may present witnesses and confront any person the initiating official presents as a witness against you.

(d) In cases where there are material factual issues in dispute, the Director or his or her designee may conduct additional fact-finding.

(e) If you have arranged a meeting with the Director, the Director will make a transcribed record of the meeting available to you on your request. You must pay the cost of transcribing and copying the meeting record.

§ 40.385 Who bears the burden of proof in a PIE proceeding?

(a) As the proponent of issuing a PIE, the initiating official bears the burden of proof.

(b) This burden is to demonstrate, by a preponderance of the evidence, that the service agent was in serious non-compliance with the requirements of this part for drug and/or alcohol testing-related services or with the requirements of another DOT agency drug and alcohol testing regulation.

§ 40.387 What matters does the Director decide concerning a proposed PIE?

(a) Following the service agent's response (see § 40.379(b)) or, if no response is received, after 30 days have passed from the date on which the service agent received the NOPE, the Director may take one of the following steps:

(1) In response to a request from the service agent (see § 40.379(b)(1)) or on his or her own motion, the Director may dismiss a PIE proceeding if he or she determines that it does not concern serious noncompliance with this part or DOT agency regulations, consistent with the Department's policy as stated in § 40.365.

(i) If the Director dismisses a proposed PIE under this paragraph (a), the action is closed with respect to the noncompliance alleged in the NOPE.

(ii) The Department may initiate a new PIE proceeding against you on the basis of different or subsequent conduct that is in noncompliance with this part or other DOT drug and alcohol testing rules.

(2) If the Director determines that the initiating official's submission does not have complete information needed for a decision, the Director may remand the matter to the initiating official. The initiating official may resubmit the matter to the Director when the needed information is complete. If the basis for the proposed PIE has changed, the initiating official must send an amended NOPE to the service agent.

(b) The Director makes determinations concerning the following matters in any PIE proceeding that he or she decides on the merits:

(1) Any material facts that are in dispute;

(2) Whether the facts support issuing a PIE;

(3) The scope of any PIE that is issued; and

(4) The duration of any PIE that is issued.

§ 40.389 What factors may the Director consider?

This section lists examples of the kind of mitigating and aggravating factors that the Director may consider in determining whether to issue a PIE concerning you, as well as the scope and duration of a PIE. This list is not exhaustive or exclusive. The Director may consider other factors if appropriate in the circumstances of a particular case. The list of examples follows:

(a) The actual or potential harm that results or may result from your non-compliance;

(b) The frequency of incidents and/or duration of the noncompliance;

(c) Whether there is a pattern or prior history of noncompliance;

(d) Whether the noncompliance was pervasive within your organization, including such factors as the following:

(1) Whether and to what extent your organization planned, initiated, or carried out the noncompliance;

(2) The positions held by individuals involved in the noncompliance, and

whether your principals tolerated their noncompliance; and

(3) Whether you had effective standards of conduct and control systems (both with respect to your own organization and any contractors or affiliates) at the time the noncompliance occurred;

(e) Whether you have demonstrated an appropriate compliance disposition, including such factors as the following:

(1) Whether you have accepted responsibility for the noncompliance and recognize the seriousness of the conduct that led to the cause for issuance of the PIE;

(2) Whether you have cooperated fully with the Department during the investigation. The Director may consider when the cooperation began and whether you disclosed all pertinent information known to you;

(3) Whether you have fully investigated the circumstances of the noncompliance forming the basis for the PIE and, if so, have made the result of the investigation available to the Director;

(4) Whether you have taken appropriate disciplinary action against the individuals responsible for the activity that constitutes the grounds for issuance of the PIE; and

(5) Whether your organization has taken appropriate corrective actions or remedial measures, including implementing actions to prevent recurrence;

(f) With respect to noncompliance with a DOT agency regulation, the degree to which the noncompliance affects matters common to the DOT drug and alcohol testing program;

(g) Other factors appropriate to the circumstances of the case.

§ 40.391 What is the scope of a PIE?

(a) The scope of a PIE is the Department's determination about the divisions, organizational elements, types of services, affiliates, and/or individuals (including direct employees of a service agent and its contractors) to which a PIE applies.

(b) If, as a service agent, the Department issues a PIE concerning you, the PIE applies to all your divisions, organizational elements, and types of services that are involved with or affected

by the noncompliance that forms the factual basis for issuing the PIE.

(c) In the NOPE (see § 40.375(b)(4)), the initiating official sets forth his or her recommendation for the scope of the PIE. The proposed scope of the PIE is one of the elements of the proceeding that the service agent may contest (see § 40.381(b)) and about which the Director makes a decision (see § 40.387(b)(3)).

(d) In recommending and deciding the scope of the PIE, the initiating official and Director, respectively, must take into account the provisions of paragraphs (e) through (j) of this section.

(e) The pervasiveness of the noncompliance within a service agent's organization (see § 40.389(d)) is an important consideration in determining the scope of a PIE. The appropriate scope of a PIE grows broader as the pervasiveness of the noncompliance increases.

(f) The application of a PIE is not limited to the specific location or employer at which the conduct that forms the factual basis for issuing the PIE was discovered.

(g) A PIE applies to your affiliates, if the affiliate is involved with or affected by the conduct that forms the factual basis for issuing the PIE.

(h) A PIE applies to individuals who are officers, employees, directors, shareholders, partners, or other individuals associated with your organization in the following circumstances:

(1) Conduct forming any part of the factual basis of the PIE occurred in connection with the individual's performance of duties by or on behalf of your organization; or

(2) The individual knew of, had reason to know of, approved, or acquiesced in such conduct. The individual's acceptance of benefits derived from such conduct is evidence of such knowledge, acquiescence, or approval.

(i) If a contractor to your organization is solely responsible for the conduct that forms the factual basis for a PIE, the PIE does not apply to the service agent itself unless the service agent knew or should have known about the conduct and did not take action to correct it.

(j) PIEs do not apply to drug and alcohol testing that DOT does not regulate.

(k) The following examples illustrate how the Department intends the provisions of this section to work:

Example 1 to § 40.391. Service Agent P provides a variety of drug testing services. P's SAP services are involved in a serious violation of this Part 40. However, P's other services fully comply with this part, and P's overall management did not plan or concur in the noncompliance, which in fact was contrary to P's articulated standards. Because the noncompliance was isolated in one area of the organization's activities, and did not pervade the entire organization, the scope of the PIE could be limited to SAP services.

Example 2 to § 40.391. Service Agent Q provides a similar variety of services. The conduct forming the factual basis for a PIE concerns collections for a transit authority. As in Example 1, the noncompliance is not pervasive throughout Q's organization. The PIE would apply to collections at all locations served by Q, not just the particular transit authority or not just in the state in which the transit authority is located.

Example 3 to § 40.391. Service Agent R provides a similar array of services. One or more of the following problems exists: R's activities in several areas—collections, MROs, SAPs, protecting the confidentiality of information—are involved in serious noncompliance; DOT determines that R's management knew or should have known about serious noncompliance in one or more areas, but management did not take timely corrective action; or, in response to an inquiry from DOT personnel, R's management refuses to provide information about its operations. In each of these three cases, the scope of the PIE would include all aspects of R's services.

Example 4 to § 40.391. Service Agent W provides only one kind of service (e.g., laboratory or MRO services). The Department issues a PIE covering these services. Because W only provides this one kind of service, the PIE necessarily applies to all its operations.

Example 5 to § 40.391. Service Agent X, by exercising reasonably prudent oversight of its collection contractor, should have known that the contractor was making numerous "fatal flaws" in tests. Alternatively, X received a correction notice pointing out these problems in its contractor's collections. In neither case did X take action to correct the problem. X, as well as the contractor, would be subject to a PIE with respect to collections.

Example 6 to § 40.391. Service Agent Y could not reasonably have known that one of its MROs was regularly failing to interview em-

ployees before verifying tests positive. When it received a correction notice, Y immediately dismissed the erring MRO. In this case, the MRO would be subject to a PIE but Y would not.

Example 7 to § 40.391. The Department issues a PIE with respect to Service Agent Z. Z provides services for DOT-regulated transportation employers, a Federal agency under the HHS-regulated Federal employee testing program, and various private businesses and public agencies that DOT does not regulate. The PIE applies only to the DOT-regulated transportation employers with respect to their DOT-mandated testing, not to the Federal agency or the other public agencies and private businesses. The PIE does not prevent the non-DOT regulated entities from continuing to use Z's services.

§ 40.393 How long does a PIE stay in effect?

(a) In the NOPE (see § 40.375(b)(5)), the initiating official proposes the duration of the PIE. The duration of the PIE is one of the elements of the proceeding that the service agent may contest (see § 40.381(b)) and about which the Director makes a decision (see § 40.387(b)(4)).

(b) In deciding upon the duration of the PIE, the Director considers the seriousness of the conduct on which the PIE is based and the continued need to protect employers and employees from the service agent's noncompliance. The Director considers factors such as those listed in § 40.389 in making this decision.

(c) The duration of a PIE will be between one and five years, unless the Director reduces its duration under § 40.407.

§ 40.395 Can you settle a PIE proceeding?

At any time before the Director's decision, you and the initiating official can, with the Director's concurrence, settle a PIE proceeding.

§ 40.397 When does the Director make a PIE decision?

The Director makes his or her decision within 60 days of the date when the record of a PIE proceeding is complete (including any meeting with the Director and any additional fact-finding that is necessary). The Director may extend this period for good cause for additional periods of up to 30 days.

§ 40.399 How does the Department notify service agents of its decision?

If you are a service agent involved in a PIE proceeding, the Director provides you written notice as soon as he or she makes a PIE decision. The notice includes the following elements:

(a) If the decision is not to issue a PIE, a statement of the reasons for the decision, including findings of fact with respect to any material factual issues that were in dispute.

(b) If the decision is to issue a PIE—

(1) A reference to the NOPE;

(2) A statement of the reasons for the decision, including findings of fact with respect to any material factual issues that were in dispute;

(3) A statement of the scope of the PIE; and

(4) A statement of the duration of the PIE.

§ 40.401 How does the Department notify employers and the public about a PIE?

(a) The Department maintains a document called the “List of Excluded Drug and Alcohol Service Agents.” This document may be found on the Department’s web site (<http://www.dot.gov/ost/dapc>). You may also request a copy of the document from ODAPC.

(b) When the Director issues a PIE, he or she adds to the List the name and address of the service agent, and any other persons or organizations, to whom the PIE applies and information about the scope and duration of the PIE.

(c) When a service agent ceases to be subject to a PIE, the Director removes this information from the List.

(d) The Department also publishes a FEDERAL REGISTER notice to inform the public on any occasion on which a service agent is added to or taken off the List.

§ 40.403 Must a service agent notify its clients when the Department issues a PIE?

(a) As a service agent, if the Department issues a PIE concerning you, you must notify each of your DOT-regulated employer clients, in writing, about the issuance, scope, duration, and effect of the PIE. You may meet

this requirement by sending a copy of the Director’s PIE decision or by a separate notice. You must send this notice to each client within three business days of receiving from the Department the notice provided for in § 40.399(b).

(b) As part of the notice you send under paragraph (a) of this section, you must offer to transfer immediately all records pertaining to the employer and its employees to the employer or to any other service agent the employer designates. You must carry out this transfer as soon as the employer requests it.

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§ 40.405 May the Federal courts review PIE decisions?

The Director’s decision is a final administrative action of the Department. Like all final administrative actions of Federal agencies, the Director’s decision is subject to judicial review under the Administrative Procedure Act (5 U.S.C. 551 *et. seq.*).

§ 40.407 May a service agent ask to have a PIE reduced or terminated?

(a) Yes, as a service agent concerning whom the Department has issued a PIE, you may request that the Director terminate a PIE or reduce its duration and/or scope. This process is limited to the issues of duration and scope. It is not an appeal or reconsideration of the decision to issue the PIE.

(b) Your request must be in writing and supported with documentation.

(c) You must wait at least nine months from the date on which the Director issued the PIE to make this request.

(d) The initiating official who was the proponent of the PIE may provide information and arguments concerning your request to the Director.

(e) If the Director verifies that the sources of your noncompliance have been eliminated and that all drug or alcohol testing-related services you would provide to DOT-regulated employers will be consistent with the requirements of this part, the Director may issue a notice terminating or reducing the PIE.

§ 40.409 What does the issuance of a PIE mean to transportation employers?

(a) As an employer, you are deemed to have notice of the issuance of a PIE when it appears on the List mentioned in § 40.401(a) or the notice of the PIE appears in the FEDERAL REGISTER as provided in § 40.401(d). You should check this List to ensure that any service agents you are using or planning to use are not subject to a PIE.

(b) As an employer who is using a service agent concerning whom a PIE is issued, you must stop using the services of the service agent no later than 90 days after the Department has published the decision in the FEDERAL REGISTER or posted it on its web site. You may apply to the ODAPC Director for an extension of 30 days if you demonstrate that you cannot find a substitute service agent within 90 days.

(c) Except during the period provided in paragraph (b) of this section, you must not, as an employer, use the services of a service agent that are covered by a PIE that the Director has issued under this subpart. If you do so, you are in violation of the Department's regulations and subject to applicable DOT agency sanctions (*e.g.*, civil penalties, withholding of Federal financial assistance).

(d) You also must not obtain drug or alcohol testing services through a contractor or affiliate of the service agent to whom the PIE applies.

Example to Paragraph (d): Service Agent R was subject to a PIE with respect to SAP services. As an employer, not only must you not use R's own SAP services, but you also must not use SAP services you arrange through R, such as services provided by a subcontractor or affiliate of R or a person or organization that receives financial gain from its relationship with R.

(e) This section's prohibition on using the services of a service agent concerning which the Director has issued a PIE applies to employers in all industries subject to DOT drug and alcohol testing regulations.

Example to Paragraph (e): The initiating official for a PIE was the FAA drug and alcohol program manager, and the conduct forming the basis of the PIE pertained to the aviation industry. As a motor carrier, transit authority, pipeline, railroad, or maritime

employer, you are also prohibited from using the services of the service agent involved in connection with the DOT drug and alcohol testing program.

(f) The issuance of a PIE does not result in the cancellation of drug or alcohol tests conducted using the service agent involved before the issuance of the Director's decision or up to 90 days following its publication in the FEDERAL REGISTER or posting on the Department's web site, unless otherwise specified in the Director's PIE decision or the Director grants an extension as provided in paragraph (b) of this section.

Example to Paragraph (f): The Department issues a PIE concerning Service Agent N on September 1. All tests conducted using N's services before September 1, and through November 30, are valid for all purposes under DOT drug and alcohol testing regulations, assuming they meet all other regulatory requirements.

§ 40.411 What is the role of the DOT Inspector General's office?

(a) Any person may bring concerns about waste, fraud, or abuse on the part of a service agent to the attention of the DOT Office of Inspector General.

(b) In appropriate cases, the Office of Inspector General may pursue criminal or civil remedies against a service agent.

(c) The Office of Inspector General may provide factual information to other DOT officials for use in a PIE proceeding.

§ 40.413 How are notices sent to service agents?

(a) If you are a service agent, DOT sends notices to you, including correction notices, notices of proposed exclusion, decision notices, and other notices, in any of the ways mentioned in paragraph (b) or (c) of this section.

(b) DOT may send a notice to you, your identified counsel, your agent for service of process, or any of your partners, officers, directors, owners, or joint venturers to the last known street address, fax number, or e-mail address. DOT deems the notice to have been received by you if sent to any of these persons.

(c) DOT considers notices to be received by you—

(1) When delivered, if DOT mails the notice to the last known street address, or five days after we send it if the letter is undeliverable;

(2) When sent, if DOT sends the notice by fax or five days after we send it if the fax is undeliverable; or

(3) When delivered, if DOT sends the notice by e-mail or five days after DOT sends it if the e-mail is undeliverable.

APPENDIX A TO PART 40—DOT STANDARDS FOR URINE COLLECTION KITS

The Collection Kit Contents

1. Collection Container

a. Single-use container, made of plastic, large enough to easily catch and hold at least 55 mL of urine voided from the body.

b. Must have graduated volume markings clearly noting levels of 45 mL and above.

c. Must have a temperature strip providing graduated temperature readings 32–38 °C/90–100 °F, that is affixed or can be affixed at a proper level on the outside of the collection container. Other methodologies (e.g., temperature device built into the wall of the container) are acceptable provided the temperature measurement is accurate and such that there is no potential for contamination of the specimen.

d. Must be individually wrapped in a sealed plastic bag or shrink wrapping; or must have a peelable, sealed lid or other easily visible tamper-evident system.

e. May be made available separately at collection sites to address shy bladder situations when several voids may be required to complete the testing process.

2. Plastic Specimen Bottles

a. Each bottle must be large enough to hold at least 35 mL; or alternatively, they may be two distinct sizes of specimen bottles provided that the bottle designed to hold the primary specimen holds at least 35 mL of urine and the bottle designed to hold the split specimen holds at least 20 mL.

b. Must have screw-on or snap-on caps that prevent seepage of the urine from the bottles during shipment.

c. Must have markings clearly indicating the appropriate levels (30 mL for the primary specimen and 15 mL for the split) of urine that must be poured into the bottles.

d. Must be designed so that the required tamper-evident bottle seals made available on the CCF fit with no damage to the seal when the employee initials it nor with the chance that the seal overlap would conceal printed information.

e. Must be wrapped (with caps) together in a sealed plastic bag or shrink wrapping separate from the collection container; or must be wrapped (with cap) individually in sealed plastic bags or shrink wrapping; or must

have peelable, sealed lid or other easily visible tamper-evident system.

f. Plastic material must be leach resistant.

3. Leak-Resistant Plastic Bag

a. Must have two sealable compartments or pouches which are leak-resistant; one large enough to hold two specimen bottles and the other large enough to hold the CCF paperwork.

b. The sealing methodology must be such that once the compartments are sealed, any tampering or attempts to open either compartment will be evident.

4. Absorbent material

Each kit must contain enough absorbent material to absorb the entire contents of both specimen bottles. Absorbent material must be designed to fit inside the leak-resistant plastic bag pouch into which the specimen bottles are placed.

5. Shipping Container

a. Must be designed to adequately protect the specimen bottles from shipment damage in the transport of specimens from the collection site to the laboratory (e.g., standard courier box, small cardboard box, plastic container).

b. May be made available separately at collection sites rather than being part of an actual kit sent to collection sites.

c. A shipping container is not necessary if a laboratory courier hand-delivers the specimen bottles in the plastic leak-proof bags from the collection site to the laboratory.

APPENDIX B TO PART 40—DOT DRUG TESTING SEMI-ANNUAL LABORATORY REPORT

The following items are required on each report:

Reporting Period: (inclusive dates)

Laboratory Identification: (name and address)

Employer Identification: (name; may include billing code or ID code)

C/C/TPA Identification: (where applicable; name and address)

1. Number of specimen results reported: (total number)

By test type:

(a) Pre-employment testing: (number)

(b) Post-accident testing: (number)

(c) Random testing: (number)

(d) Reasonable suspicion/cause testing: (number)

(e) Return-to-duty testing: (number)

(f) Follow-up testing: (number)

(g) Type not noted on CCF: (number)

2. Number of specimens reported as

(a) Negative: (total number)

(b) Negative-dilute: (number)

3. Number of specimens reported as Rejected for Testing: (total number)

By reason:

(a) Fatal flaw: (number)

- (b) Uncorrected flaw: (number)
4. Number of specimens reported as Positive: (total number)
- By drug:
- (a) Marijuana Metabolite: (number)
- (b) Cocaine Metabolite: (number)
- (c) Opiates:
- (1) Codeine: (number)
- (2) Morphine: (number)
- (3) 6-AM: (number)
- (d) Phencyclidine: (number)
- (e) Amphetamines: (number)
- (1) Amphetamine: (number)
- (2) Methamphetamine: (number):
5. Adulterated: (number)
6. Substituted: (number)
7. Invalid results: (number)

APPENDIX C TO PART 40 [RESERVED]

APPENDIX D TO PART 40—REPORT FORMAT: SPLIT SPECIMEN FAILURE TO RECONFIRM

Fax or mail to: Department of Transportation, Office of Drug and Alcohol Policy and Compliance, 400 7th Street, SW., Room 10403, Washington, DC 20590 (fax) 202-366-3897.

1. MRO name, address, phone number, and fax number.
2. Collection site name, address, and phone number.
3. Date of collection.
4. Specimen I.D. number.
5. Laboratory accession number.
6. Primary specimen laboratory name, address, and phone number.
7. Date result reported or certified by primary laboratory.
8. Split specimen laboratory name, address, and phone number.
9. Date split specimen result reported or certified by split specimen laboratory.
10. Primary specimen results (*e.g.*, name of drug, adulterant) in the primary specimen.
11. Reason for split specimen failure-to-reconfirm result (*e.g.*, drug or adulterant not present, specimen invalid, split not collected, insufficient volume).
12. Actions taken by the MRO (*e.g.*, notified employer of failure to reconfirm and requirement for recollection).
13. Additional information explaining the reason for cancellation.
14. Name of individual submitting the report (if not the MRO).

APPENDIX E TO PART 40—SAP EQUIVALENCY REQUIREMENTS FOR CERTIFICATION ORGANIZATIONS

1. *Experience*: Minimum requirements are for three years of full-time supervised experience or 6,000 hours of supervised experience as an alcoholism and/or drug abuse counselor. The supervision must be provided by a licensed or certified practitioner. Supervised

experience is important if the individual is to be considered a professional in the field of alcohol and drug abuse evaluation and counseling.

2. *Education*: There exists a requirement of 270 contact hours of education and training in alcoholism and/or drug abuse or related training. These hours can take the form of formal education, in-service training, and professional development courses. Part of any professional counselor's development is participation in formal and non-formal education opportunities within the field.

3. *Continuing Education*: The certified counselor must receive at least 40-60 hours of continuing education units (CEU) during each two year period. These CEUs are important to the counselor's keeping abreast of changes and improvements in the field.

4. *Testing*: A passing score on a national test is a requirement. The test must accurately measure the application of the knowledge, skills, and abilities possessed by the counselor. The test establishes a national standard that must be met to practice.

5. *Testing Validity*: The certification examination must be reviewed by an independent authority for validity (examination reliability and relationship to the knowledge, skills, and abilities required by the counseling field). The reliability of the exam is paramount if counselor attributes are to be accurately measured. The examination passing score point must be placed at an appropriate minimal level score as gauged by statistically reliable methodology.

6. *Measurable Knowledge Base*: The certification process must be based upon measurable knowledge possessed by the applicant and verified through collateral data and testing. That level of knowledge must be of sufficient quantity to ensure a high quality of SAP evaluation and referral services.

7. *Measurable Skills Base*: The certification process must be based upon measurable skills possessed by the applicant and verified through collateral data and testing. That level of skills must be of sufficient quality to ensure a high quality of SAP evaluation and referral services.

8. *Quality Assurance Plan*: The certification agency must ensure that a means exists to determine that applicant records are verified as being true by the certification staff. This is an important check to ensure that true information is being accepted by the certifying agency.

9. *Code of Ethics*: Certified counselors must pledge to adhere to an ethical standard for practice. It must be understood that code violations could result in de-certification. These standards are vital in maintaining the integrity of practitioners. High ethical standards are required to ensure quality of client care and confidentiality of client information as well as to guard against inappropriate referral practices.

10. *Re-certification Program:* Certification is not just a one-time event. It is a continuing privilege with continuing requirements. Among these are continuing education, continuing state certification, and concomitant adherence to the code of ethics. Re-certification serves as a protector of client interests by removing poor performers from the certified practice.

11. *Fifty State Coverage:* Certification must be available to qualified counselors in all 50 states and, therefore, the test must be available to qualified applicants in all 50 states. Because many companies are multi-state operators, consistency in SAP evaluation quality and opportunities is paramount. The test need not be given in all 50 states but should be accessible to candidates from all states.

12. *National Commission for Certifying Agencies (NCCA) Accreditation:* Having NCCA accreditation is a means of demonstrating to the Department of Transportation that your certification has been reviewed by a panel of impartial experts that have determined that your examination(s) has met stringent and appropriate testing standards.

APPENDIX F TO PART 40—DRUG AND ALCOHOL TESTING INFORMATION THAT C/TPAS MAY TRANSMIT TO EMPLOYERS

1. If you are a C/TPA, you may, acting as an intermediary, transmit the information in the following sections of this part to the DER for an employer, if the employer chooses to have you do so. These are the only items that you are permitted to transmit to the employer as an intermediary. The use of C/TPA intermediaries is prohibited in all other cases, such as transmission of laboratory drug test results to MROs, the transmission of medical information from MROs to employers, the transmission of SAP reports to employers, the transmission of positive alcohol test results, and the transmission of medical information from MROs to employers.

2. In every case, you must ensure that, in transmitting the information, you meet all requirements (e.g., concerning confidentiality and timing) that would apply if the party originating the information (e.g., an MRO or collector) sent the information directly to the employer. For example, if you transmit MROs' drug testing results to DERs, you must transmit each drug test result to the DER in compliance with the requirements for MROs set forth in §40.167.

DRUG TESTING INFORMATION

- § 40.25: Previous two years' test results
- § 40.35: Notice to collectors of contact information for DER
- § 40.61(a): Notification to DER that an employee is a "no show" for a drug test
- § 40.63(e): Notification to DER of a collection under direct observation
- § 40.65(b)(6) and (7) and (c)(2) and (3): Notification to DER of a refusal to provide a specimen or an insufficient specimen
- § 40.73(a)(9): Transmission of CCF copies to DER (However, MRO copy of CCF must be sent by collector directly to the MRO, not through the C/TPA.)
- § 40.111(a): Transmission of laboratory statistical report to employer
- § 40.127(f): Report of test results to DER
- §§ 40.127(g), 40.129(d), 40.159(a)(4)(ii); 40.161(b): Reports to DER that test is cancelled
- § 40.129 (d): Report of test results to DER
- § 40.129(g)(1): Report to DER of confirmed positive test in stand-down situation
- §§ 40.149(b): Report to DER of changed test result
- § 40.155(a): Report to DER of dilute specimen
- § 40.167(b) and (c): Reports of test results to DER
- § 40.187(a)–(f) Reports to DER concerning the reconfirmation of tests
- § 40.191(d): Notice to DER concerning refusals to test
- § 40.193(b)(3): Notification to DER of refusal in shy bladder situation
- § 40.193(b)(4): Notification to DER of insufficient specimen
- § 40.193(b)(5): Transmission of CCF copies to DER (not to MRO)
- § 40.199: Report to DER of cancelled test and direction to DER for additional collection
- § 40.201: Report to DER of cancelled test

ALCOHOL TESTING INFORMATION

- § 40.215: Notice to BATs and STTs of contact information for DER
- § 40.241(b)(1): Notification to DER that an employee is a "no show" for an alcohol test
- § 40.247(a)(2): Transmission of alcohol screening test results only when the test result is less than 0.02
- § 40.255(a)(4): Transmission of alcohol confirmation test results only when the test result is less than 0.02
- § 40.263(a)(3) and 263(b)(3): Notification of insufficient saliva and failure to provide sufficient amount of breath

[65 FR 79526, Dec. 19, 2000, as amended at 66 FR 41955, Aug. 9, 2001]

APPENDIX G TO PART 40—ALCOHOL TESTING FORM

The following form is the alcohol testing form required for use in the DOT alcohol testing program beginning August 1, 2001. Use of the form is authorized beginning January 18, 2001.

U.S. Department of Transportation (DOT) Alcohol Testing Form

(The instructions for completing this form are on the back of Copy 3)

Step 1: TO BE COMPLETED BY ALCOHOL TECHNICIAN
A: Employee Name
B: SSN or Employee ID No.
C: Employer Name
DER Name and Telephone No.
D: Reason for Test: Random Reasonable Susp Post-Accident Return to Duty Follow-up Pre-employment

STEP 2: TO BE COMPLETED BY EMPLOYEE
I certify that I am about to submit to alcohol testing required by US Department of Transportation regulations and that the identifying information provided on the form is true and correct.
Signature of Employee Date Month Day Year

STEP 3: TO BE COMPLETED BY ALCOHOL TECHNICIAN
(If the technician conducting the screening test is not the same technician who will be conducting the confirmation test, each technician must complete their own form.) I certify that I have conducted alcohol testing on the above named individual in accordance with the procedures established in the US Department of Transportation regulation, 49 CFR Part 40, that I am qualified to operate the testing device(s) identified, and that the results are as recorded.
TECHNICIAN: BAT STT DEVICE: SALIVA BREATH* 15-Minute Wait: Yes No
SCREENING TEST: (For BREATH DEVICE* write in the space below only if the testing device is not designed to print.)
Test # Testing Device Name Device Serial # OR Lot # & Exp Date Activation Time Reading Time Result
CONFIRMATION TEST: Results MUST be affixed to each copy of this form or printed directly onto the form.
REMARKS:
Alcohol Technician's Company Company Street Address
(PRINT) Alcohol Technician's Name (First, M.I., Last) Company City, State, Zip Phone Number
Signature of Alcohol Technician Date Month Day Year

STEP 4: TO BE COMPLETED BY EMPLOYEE IF TEST RESULT IS 0.02 OR HIGHER
I certify that I have submitted to the alcohol test, the results of which are accurately recorded on this form. I understand that I must not drive, perform safety-sensitive duties, or operate heavy equipment because the results are 0.02 or greater.
Signature of Employee Date Month Day Year

Affix Or Print Screening Results Here

Affix With Tamper Evident Tap

Affix Or Print Confirmation Result Here

Affix With Tamper Evident Tape

Affix Or Print Additional Results Here

Affix With Tamper Evident Tape

COPY 1 - ORIGINAL - FORWARD TO THE EMPLOYER

U.S. Department of Transportation (DOT)
Alcohol Testing Form

(The instructions for completing this form are on the back of Copy 3)

Affix Or Print Screening Results Here

Affix With Tamper Evident Tap

Affix Or Print Confirmation Result Here

Affix With Tamper Evident Tape

Affix Or Print Additional Results Here

Affix With Tamper Evident Tape

Step 1: TO BE COMPLETED BY ALCOHOL TECHNICIAN
A: Employee Name (Print) (First, M.I., Last)
B: SSN or Employee ID No.
C: Employer Name Street City, ST ZIP
DER Name and Telephone No. () DER Name DER Phone Number
D: Reason for Test: Random Reasonable Susp Post-Accident Return to Duty Follow-up Pre-employment

STEP 2: TO BE COMPLETED BY EMPLOYEE
I certify that I am about to submit to alcohol testing required by US Department of Transportation regulations and that the identifying information provided on the form is true and correct.
Signature of Employee Date Month Day Year

STEP 3: TO BE COMPLETED BY ALCOHOL TECHNICIAN
(If the technician conducting the screening test is not the same technician who will be conducting the confirmation test, each technician must complete their own form.) I certify that I have conducted alcohol testing on the above named individual in accordance with the procedures established in the US Department of Transportation regulation, 49 CFR Part 40, that I am qualified to operate the testing device(s) identified, and that the results are as recorded.
TECHNICIAN: BAT STT DEVICE: SALIVA BREATH* 15-Minute Wait: Yes No
SCREENING TEST: (For BREATH DEVICE* write in the space below only if the testing device is not designed to print)
Test # Testing Device Name Device Serial # OR Lot # & Exp Date Activation Time Reading Time Result
CONFIRMATION TEST: Results MUST be affixed to each copy of this form or printed directly onto the form.

REMARKS:
Alcohol Technician's Company Company Street Address ()
(PRINT) Alcohol Technician's Name (First, M.I., Last) Company City, State, Zip Phone Number
Signature of Alcohol Technician Date Month Day Year

STEP 4: TO BE COMPLETED BY EMPLOYEE IF TEST RESULT IS 0.02 OR HIGHER
I certify that I have submitted to the alcohol test, the results of which are accurately recorded on this form. I understand that I must not drive, perform safety-sensitive duties, or operate heavy equipment because the results are 0.02 or greater.
Signature of Employee Date Month Day Year

COPY 2 - EMPLOYEE RETAINS

U.S. Department of Transportation (DOT)
Alcohol Testing Form

(The instructions for completing this form are on the back of Copy 3)

Step 1: TO BE COMPLETED BY ALCOHOL TECHNICIAN
A: Employee Name
B: SSN or Employee ID No.
C: Employer Name
DER Name and Telephone No.
D: Reason for Test: Random Reasonable Susp Post-Accident Return to Duty Follow-up Pre-employment

STEP 2: TO BE COMPLETED BY EMPLOYEE
I certify that I am about to submit to alcohol testing required by US Department of Transportation regulations and that the identifying information provided on the form is true and correct.
Signature of Employee Date Month Day Year

STEP 3: TO BE COMPLETED BY ALCOHOL TECHNICIAN
(If the technician conducting the screening test is not the same technician who will be conducting the confirmation test, each technician must complete their own form.)
TECHNICIAN: BAT STT DEVICE: SALIVA BREATH* 15-Minute Wait: Yes No
SCREENING TEST: (For BREATH DEVICE* write in the space below only if the testing device is not designed to print.)
Table with columns: Test #, Testing Device Name, Device Serial # OR Lot # & Exp Date, Activation Time, Reading Time, Result
CONFIRMATION TEST: Results MUST be affixed to each copy of this form or printed directly onto the form.
REMARKS:
Alcohol Technician's Company Company Street Address
(PRINT) Alcohol Technician's Name (First, M.I., Last) Company City, State, Zip Phone Number
Signature of Alcohol Technician Date Month Day Year

STEP 4: TO BE COMPLETED BY EMPLOYEE IF TEST RESULT IS 0.02 OR HIGHER
I certify that I have submitted to the alcohol test, the results of which are accurately recorded on this form. I understand that I must not drive, perform safety-sensitive duties, or operate heavy equipment because the results are 0.02 or greater.
Signature of Employee Date Month Day Year

Affix Or Print Screening Results Here
Affix With Tamper Evident Tap

Affix Or Print Confirmation Results Here
Affix With Tamper Evident Tape

Affix Or Print Additional Results Here
Affix With Tamper Evident Tape

COPY 3 - ALCOHOL TECHNICIAN RETAINS

PAPERWORK REDUCTION ACT NOTICE (as required by 5 CFR 1320.21)

Public reporting burden for this collection of information is estimated for each respondent to average: 1 minute/employee, 4 minutes/Breath Alcohol Technician. Individuals may send comments regarding these burden estimates, or any other aspect of this collection of information, including suggestions for reducing the burden, to U.S. Department of Transportation, Drug and alcohol Policy and Compliance, Room 10403, 400 Seventh St., SW, Washington, D.C. 20590 or Office of Management and Budget, Paperwork Reduction Project, Room 3001, 725 Seventeenth St., NW, Washington, D.C. 20503.

BACK OF PAGES 1 and 2

INSTRUCTIONS FOR COMPLETING THE U.S. DEPARTMENT OF TRANSPORTATION ALCOHOL TESTING FORM

NOTE: Use a ballpoint pen, press hard, and check all copies for legibility.

STEP 1 The Breath Alcohol Technician (BAT) or Screening Test Technician (STT) completes the information required in this step. Be sure to print the employee's name and check the box identifying the reason for the test.

NOTE: If the employee refuses to provide SSN or I.D. number, be sure to indicate this in the remarks section in STEP 3. Proceed with STEP 2.

STEP 2 Instruct the employee to read, sign, and date the employee certification statement in STEP 2.

NOTE: If the employee refuses to sign the certification statement, do not proceed with the alcohol test. Contact the designated employer representative.

STEP 3 The BAT or STT completes the information required in this step and checks the type of device (saliva or breath) being used. After conducting the alcohol screening test, do the following (as appropriate):

Enter the information for the screening test (test number, testing device name, testing device serial number or lot number and expiration date, time of test with any device-dependent activation times, and the results), on the front of the ATF. For a breath testing device capable of printing, the information may be part of the printed record.

NOTE: Be sure to enter the result of the test exactly as it is indicated on the breath testing device, e.g., 0.00, 0.02, 0.04, etc.

Affix the printed information in the space provided, in a tamper-evident manner (e.g., tape), or the device may print the results directly on the ATF. If the results of the screening test are less than 0.02, print, sign your name, and enter today's date in the space provided. The test process is complete.

If the results of the screening test are 0.02 or greater, a confirmation test must be administered in accordance with DOT regulations. An EVIDENTIAL BREATH TESTING device that is capable of printing confirmation test information must be used in conducting this test.

After conducting the alcohol confirmation test, affix the printed information in the space provided, in a tamper-evident manner (e.g., tape), or the device may print the results directly on the ATF. Print, sign your name, and enter the date in the space provided. Go to STEP 4.

STEP 4 If the employee has a breath alcohol confirmation test result of 0.02 or higher, instruct the employee to read, sign, and date the employee certification statement in STEP 4.

NOTE: If the employee refuses to sign the certification statement in STEP 4, be sure to indicate this in the remarks line in STEP 3.

Immediately notify the DER if the employee has a breath alcohol confirmation test result of 0.02 or higher.

Forward Copy 1 to the employer. Give Copy 2 to the employee. Retain Copy 3 for BAT/STT records.

BACK OF PAGE 3

APPENDIX H TO PART 40—DOT DRUG AND ALCOHOL TESTING MANAGEMENT INFORMATION SYSTEM (MIS) DATA COLLECTION FORM

The following form and instructions must be used when an employer is required to report MIS data to a DOT agency.

U.S. DEPARTMENT OF TRANSPORTATION DRUG AND ALCOHOL TESTING MIS DATA COLLECTION FORM
Calendar Year Covered by this Report: _____

I. Employer:

Company Name: _____
 Doing Business As (DBA) Name (if applicable): _____
 Address: _____ E-mail: _____
 Name of Certifying Official: _____ Signature: _____
 Telephone: (_____) _____ Date Certified: _____
 Prepared by (if different): _____ Telephone: (_____) _____
 C/TPA Name and Telephone (if applicable): _____ (_____) _____

Check the DOT agency for which you are reporting MIS data; and complete the information on that same line as appropriate:

FMSCA – Motor Carrier: DOT #: _____ Owner-operator: (circle one) YES or NO Exempt (Circle One) YES or NO
 FAA – Aviation: Certificate # (if applicable): _____ Plan / Registration # (if applicable): _____
 RSPA – Pipeline: (Check) Gas Gathering ___ Gas Transmission ___ Gas Distribution ___ Transport Hazardous Liquids ___ Transport Carbon Dioxide ___
 FRA – Railroad: Total Number of observed/documentated Part 219 "Rule G" Observations for covered employees: _____
 USCG – Maritime: Vessel ID # (USCG- or State-Issued): _____ (If more than one vessel, list separately.)
 FTA – Transit

II. Covered Employees: (A) Enter Total Number Safety-Sensitive Employees In All Employee Categories:
(B) Enter Total Number of Employee Categories:

(C)

Employee Category	Total Number of Employees in this Category

If you have multiple employee categories, complete Sections I and II (A) & (B). Take that filled-in form and make one copy for each employee category and complete Sections II (C), III, and IV for each separate employee category.

III. Drug Testing Data:

Type of Test	1 Total Number Of Test Results (Should equal the sum of Columns 2, 3, 9, 10, 11, and 12)	2 Verified Negative Results	3 Verified Positive Results - For One Or More Drugs	4 Positive For Marijuana	5 Positive For Cocaine	6 Positive For PCP	7 Positive For Opiates	8 Positive For Amphetamines	9 Refusal Results				13 Cancelled Results
									10 Adulterated	11 Substituted	12 "Sly Bladder" - With No Medical Explanation	Other Refusals To Submit To Testing	
Pre-Employment													
Random													
Post-Accident													
Reasonable Susp./Cause													
Return-to-Duty													
Follow-Up													
TOTAL													

IV. Alcohol Testing Data:

Type of Test	1 Total Number Of Screening Test Results (Should equal the sum of Columns 2, 3, 7, and 8)	2 Screening Tests With Results Below 0.02	3 Screening Tests With Results 0.02 Or Greater	4 Number Of Confirmation Tests Results	5 Confirmation Tests With Results 0.02 Through 0.039	6 Confirmation Tests With Results 0.04 Or Greater	7 Refusal Results		9 Cancelled Results
							8 "Sly Lung" - With No Medical Explanation	Other Refusals To Submit To Testing	
Pre-Employment									
Random									
Post-Accident									
Reasonable Susp./Cause									
Return-to-Duty									
Follow-Up									
TOTAL									

PAPERWORK REDUCTION ACT NOTICE (as required by 5 CFR 1320.21)

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 2105-0529. The Department of Transportation estimates that the average burden for this report form is 1.5 hours. You may send comments regarding this burden estimate or any suggestions for reducing the burden to: U.S. Department of Transportation, Office of Drug and Alcohol Policy and Compliance, Room 10403, 400 Seventh Street, SW, Washington, D.C. 20590; OR Office of Management and Budget, Paperwork Reduction Project, 725 Seventeenth Street, NW, Washington, D.C. 20503.

Title 18, USC Section 1001, makes it a criminal offense subject to a maximum fine of \$10,000, or imprisonment for not more than 5 years, or both, to knowingly and willfully make or cause to be made any false or fraudulent statements of representations in any matter within the jurisdiction of any agency of the United States.

**U.S. DEPARTMENT OF TRANSPORTATION
DRUG AND ALCOHOL TESTING MIS DATA COLLECTION FORM
INSTRUCTION SHEET**

This Management Information System (MIS) form is made-up of four sections: employer information; covered employees (i.e., employees performing DOT regulated safety-sensitive duties) information; drug testing data; and alcohol testing data. The employer information needs only to be provided once per submission. However, you must submit a separate page of data for each employee category for which you report testing data. If you are preparing reports for more than one DOT agency then you must submit DOT agency-specific forms.

Please type or print entries legibly in black ink.

***TIP** ~ Read the entire instructions before starting. Please note that USCG-regulated employers do not report alcohol test results on the MIS form.*

Calendar Year Covered by this Report: Enter the appropriate year.

Section I. Employer

1. Enter your company's name, to include when applicable, your "doing business as" name; current address, city, state, and zip code; and an e-mail address, if available.
2. Enter the printed name, signature, and complete telephone number of the company official certifying the accuracy of the report and the date that person certified the report as complete.
3. If someone other than the certifying official completed the MIS form, enter that person's name and phone number on the appropriate lines provided.
4. If a Consortium/Third Party Administrator (C/TPA) performs administrative services for your drug and alcohol program operation, enter its name and phone number on the appropriate lines provided.
5. DOT Agency Information: Check the box next to the DOT agency for which you are completing this MIS form. Again, if you are submitting to multiple DOT agencies, you must use separate forms for each DOT agency.
 - a. If you are completing the form for FMCSA, enter your FMCSA DOT Number, as appropriate. In addition, you must indicate whether you are an owner-operator (i.e., an employer who employs only himself or herself as a driver) and whether you are exempt from providing MIS data. Exemptions are noted in the FMCSA regulation at 382.103(d).
 - b. If you are completing the form for FAA, enter your FAA Certificate Number and FAA Antidrug Plan / Registration Number, when applicable.
 - c. If you are completing the form for RSPA, check the additional box(s) indicating your type of operation.
 - d. If you are completing the form for FRA, enter the number of observed/documentated Part 219 "Rule G" Observations for covered employees.
 - e. If you are submitting the form for USCG, enter the vessel ID number. If there is more than one number, enter the numbers separately.

Section II. Covered Employees

1. In Box II-A, enter the total number of covered employees (i.e., employees performing DOT regulated safety-sensitive duties) who work for your company. Then enter, in Box II-B, the total number of employee categories that number represents. If you have employees, some of whom perform duties under one DOT agency and others of whom perform duties under another DOT agency, enter only the number of those employees performing duties under the DOT agency for whom you are submitting the form. If you have covered employees who perform multi-DOT agency functions (e.g., an employee drives a commercial motor vehicle and performs pipeline maintenance duties for you), count the employee only on the MIS report for the DOT agency regulating more than 50 percent of the employee's safety sensitive function.

[Example: If you are submitting the information for the FRA and you have 2000 covered employees performing duties in all FRA-covered service categories – you would enter “2000” in the first box (II-A) and “5” in the second box (II-B), because FRA has five safety-sensitive employee categories and you have employees in all of these groups. If you have 1000 employees performing safety-sensitive duties in three FRA-covered service categories (e.g., engine service, train service, and dispatcher/operation), you would enter “1000” in the first box (II-A) and “3” in the second box (II-B).]

TIP ~ To calculate the total number of covered employees, add the total number of covered employees eligible for testing during each random testing selection period for the year and divide that total by the number of random testing periods. (However, no company will need to factor the average number of employees more often than once per month). For instance, a company conducting random testing quarterly needs to add the total of covered employees they had in the random pool when each selection was made; then divide this number by 4 to obtain the yearly average number of covered employees. It is extremely important that you place all eligible employees into these random pools. [As an example, if Company A had 1500 employees in the first quarter random pool, 2250 in the second quarter, 2750 in the third quarter; and 1500 in the fourth quarter; $1500 + 2250 + 2750 + 1500 = 8000$; $8000 / 4 = 2000$; the total number of covered employees for the year would be reported as, “2000”.

If you conduct random selections more often than once per month (e.g., you select daily, weekly, bi-weekly), you do not need to compute this total number of covered employees rate more than on a once per month basis. Therefore, employers need not compute the covered employees rate more than 12 times per year.]

2. If you are reporting multiple employee categories, enter the specific employee category in box II-C; and provide the number of employees performing safety-sensitive duties in that specific category.

[Example: You are submitting data to the FTA and you have 2000 covered employees. You have 1750 personnel performing revenue vehicle operation and the remaining 250 are performing revenue vehicle and equipment maintenance. When you provide vehicle operation information, you would enter “Revenue Vehicle Operation” in the first II-C box and “1750” in the second II-C box. When you provide data on the maintenance personnel, you would enter “Revenue Vehicle and Equipment Maintenance” in the first II-C box and “250” in the second II-C box.]

TIP ~ A separate form for each employee category must be submitted. You may do this by filling out a single MIS form through Section II-B and then make one copy for each additional employee category you are reporting. [For instance, if you are submitting the MIS form for the FMCSA, you need only submit one form for all FMCSA covered employees working for you – your only category of employees is “driver.” If you are reporting testing data to the FAA and you employ only flight crewmembers, flight attendants, and aircraft maintenance workers, you need to complete one form each for category – three forms in all. If you are reporting to FAA and have all FAA categories of covered employees, you must submit eight forms.]

Here is a full listing of covered-employee categories:

FMCSA (one category): Driver

FAA (eight categories): Flight Crewmember; Flight Attendant; Flight Instructor; Aircraft Dispatcher; Aircraft Maintenance; Ground Security Coordinator; Aviation Screener; Air Traffic Controller

RSPA (one category): Operation/Maintenance/Emergency Response

FRA (five categories): Engine Service; Train Service; Dispatcher/Operation; Signal Service; Other [Includes yardmasters, hostlers (non-engineer craft), bridge tenders; switch tenders, and other miscellaneous employees performing 49 CFR 228.5 (c) defined covered service.]

USCG (one category): Crewmember

FTA (five categories): Revenue Vehicle Operation; Revenue Vehicle and Equipment Maintenance; Revenue Vehicle Control/Dispatch; CDL/Non-Revenue Vehicle; Armed Security Personnel

Section III. Drug Testing Data

This section summarizes the drug testing results for all covered employees (to include applicants). The table in this section requires drug test data by test type and by result. The categories of test types are: Pre-Employment; Random; Post-Accident; Reasonable Suspicion / Reasonable Cause; Return-to-Duty, and Follow-Up.

The categories of type of results are: Total Number of Test Results [excluding cancelled tests and blind specimens]; Verified Negative; Verified Positive; Positive for Marijuana; Positive for Cocaine; Positive for PCP; Positive for Opiates; Positive for Amphetamines; Refusals due to Adulterated, Substituted, “Shy Bladder” with No Medical Explanation, and Other Refusals to Submit to Testing; and Cancelled Results.

TIP ~ Do not enter data on blind specimens submitted to laboratories. Be sure to enter all pre-employment testing data regardless of whether an applicant was hired or not. You do not need to separate reasonable suspicion and reasonable cause drug testing data on the MIS form. [Therefore, if you conducted only reasonable suspicion drug testing (i.e., FMCSA and FTA), enter that data; if you conducted only reasonable cause drug testing (i.e., FAA, RSPA, and USCG); or if you conducted both under FRA drug testing rules, simply enter the data with no differentiation.] For USCG, enter any “Serious Marine Incident” testing in the Post-Accident row. For FRA, do not enter post accident data (the FRA does not collect this data on the MIS form). Finally, you may leave blank any row or column in which there were no results, or you may enter “0” (zero) instead. Please note that cancelled tests are not included in the “total number of test results” column.

Section III, Column 1. Total Number of Test Results ~ This column requires a count of the total number of test results in each testing category during the entire reporting year. Count the number of test results as the number of testing events resulting in negative, positive, and refusal results. Do not count cancelled tests and blind specimens in this total.

[Example: A company that conducted fifty pre-employment tests would enter “50” on the Pre-Employment row. If it conducted one hundred random tests, “100” would be entered on the Random row. If that company did no post-accident, reasonable suspicion, reasonable cause, return-to-duty, or follow-up tests, those categories will be left blank or zeros entered.]

Section III, Column 2. Verified Negative Results ~ This column requires a count of the number of tests in each testing category that the Medical Review Officer (MRO) reported as negative. Do not count a negative-dilute result if, subsequently, the employee underwent a second collection; the second test is the test of record.

[Example: If forty-seven of the company’s fifty pre-employment tests were reported negative, “47” would be entered in Column 2 on the Pre-Employment row. If ninety of the company’s one hundred random test results were reported negative, “90” would be entered in Column 2 on the Random row. Because the company did no other testing, those other categories would be left blank or zeros entered.]

Section III, Column 3. Verified Positive Results ~ For One Or More Drugs ~ This column requires a count of the number of tests in each testing category that the MRO reported as positive for one or more drugs. When the MRO reports a test positive for two drugs, it would count as one positive test.

[Example: If one of the fifty pre-employment tests was positive for two drugs, “1” would be entered in Column 3 on the Pre-Employment row. If four of the company’s one hundred random test results were reported positive (three for one drug and one for two drugs), “4” would be entered in Column 3 on the Random row.]

■ **Section III, Columns 4 through 8. Positive** (for specific drugs) ~ These columns require entry of the by-drug data for which specimens were reported positive by the MRO.

[Example: The pre-employment positive test reported by the MRO was positive for marijuana, “1” would be entered in Column 4 on the Pre-Employment row. If three of the four positive results for random testing were reported by the MRO to be positive for marijuana, “3” would be entered in Column 4 on the Random row. If one of the four positive results for random testing was reported positive for both PCP and opiates, “1” would be entered in Column 6 on the Random row and “1” would be entered in Column 7 of the Random row.]

TIP ~ Column 1 should equal the sum of Columns 2, 3, 9, 10, 11, and 12. Remember you have not counted specimen results that were ultimately cancelled or were from blind specimens. So, Column 1 = Column 2 + Column 3 + Column 9 + Column 10 + Column 11 + Column 12. Certainly, double check your records to determine if your actual results count is reflective of all negative, positive, and refusal counts.

An MRO may report that a specimen is positive for more than one drug. When that happens, to use the company example above (i.e., one random test was positive for both PCP and opiates), the positive results should be recorded in the appropriate columns – PCP and opiates in this case. There is no expectation for Columns 4 through 8 numbers to add up to the numbers in Column 3 when you report multiple positives.

Section III, Columns 9 through 12. Refusal Results ~ The refusal section is divided into four refusal groups – they are: Adulterated; Substituted; “Shy Bladder” ~ With No Medical Explanation; and Other Refusals To Submit to Testing. The MRO reports two of these refusal types – adulterated and substituted specimen results – because of laboratory test findings.

When an individual does not provide enough urine at the collection site, the MRO conducts or causes to have conducted a medical evaluation to determine if there exists a medical reason for the person’s inability to provide the appropriate amount of urine. If there is no medical reason to support the inability, the MRO reports the result to the employer as a refusal to test: Refusals of this type are reported in the “Shy Bladder” ~ With No Medical Explanation category.

Finally, additional reasons exist for a test to be considered a refusal. Some examples are: the employee fails to report to the collection site as directed by the employer; the employee leaves the collection site without permission; the employee fails to empty his or her pockets at the collection site; the employee refuses to have a required shy bladder evaluation. Again, these are only four examples: there are more.

■ **Section III, Column 9. Adulterated** ~ This column requires the count of the number of tests reported by the MRO as refusals because the specimens were adulterated.

[Example: If one of the fifty pre-employment tests was adulterated, “1” would be entered in Column 9 of the Pre-Employment row.]

■ **Section III, Column 10. Substituted** ~ This column requires the count of the number of tests reported by the MRO as refusals because the specimens were substituted.

[Example: If one of the 100 random tests was substituted, “1” would be entered in Column 10 of the Random row.]

■ **Section III, Column 11. “Shy Bladder” ~ With No Medical Explanation** ~ This column requires the count of the number of tests reported by the MRO as being a refusal because there was no legitimate medical reason for an insufficient amount of urine.

[Example: If one of the 100 random tests was a refusal because of shy bladder, “1” would be entered in Column 11 of the Random row.]

■ **Section III, Column 12. Other Refusals To Submit To Testing** ~ This column requires the count of refusals other than those already entered in Columns 9 through 11.

[Example: If the company entered “100” as the number of random specimens collected, however it had five employees who refused to be tested without submitting specimens: two did not show up at the collection site as directed; one refused to empty his pockets at the collection site; and two left the collection site rather than submit to a required directly observed collection. Because of these five refusal events, “5” would be entered in Column 11 of the Random row.]

***TIP** ~ Even though some testing events result in a refusal in which no urine was collected and sent to the laboratory, a “refusal” is still a final test result. Therefore, your overall numbers for test results (in Column 1) will equal the total number of negative tests (Column 2); positives (Column 3); and refusals (Columns 9, 10, 11, and 12). Do not worry that no urine was processed at the laboratory for some refusals; all refusals are counted as a testing event for MIS purposes and for establishing random rates.*

Section III, Column 13. Cancelled Tests ~ This column requires a count of the number of tests in each testing category that the MRO reported as cancelled. You must not count any cancelled tests in Column 1 or in any other column. For instance, you must not count a positive result (in Column 3) if it had ultimately been cancelled for any reason (e.g., specimen was initially reported positive, but the split failed to reconfirm).

[Example: If a pre-employment test was reported cancelled, “1” would be entered in Column 13 on the Pre-Employment row. If three of the company’s random test results were reported cancelled, “3” would be entered in Column 13 on the Random row.]

TOTAL Line. Columns 1 through 13 ~ This line requires you to add the numbers in each column and provide the totals.

Section IV. Alcohol Testing Data

This section summarizes the alcohol testing conducted for all covered employees (to include applicants). The table in this section requires alcohol test data by test type and by result. The categories of test types are: Pre-Employment; Random; Post-Accident; Reasonable Suspicion / Reasonable Cause; Return-to-Duty, and Follow-Up.

The categories of results are: Number of Screening Test Results; Screening Tests with Results Below 0.02; Screening Tests with Results 0.02 Or Greater; Number of Confirmation Test Results; Confirmation Tests with Results 0.02 through 0.039; Confirmation Tests with Results 0.04 Or Greater; Refusals due to “Shy Lung” with No Medical Explanation, and Other Refusals to Submit to Testing; and Cancelled Results.

TIP ~ *Be sure to enter all pre-employment testing data regardless of whether an applicant was hired or not. Of course, for most employers pre-employment alcohol testing is optional, so you may not have conducted this type of testing. You do not need to separate “reasonable suspicion” and “reasonable cause” alcohol testing data on the MIS form. [Therefore, if you conducted only reasonable suspicion alcohol testing (i.e., FMCSA, FAA, FTA, and RSPA), enter that data; if you conducted both reasonable suspicion and reasonable cause alcohol testing (i.e., FRA), simply enter the data with no differentiation.] RSPA does not authorize “random” testing for alcohol. Finally, you may leave blank any row or column in which there were no results, or you may enter “0” (zero) instead. Please note that USCG-regulated employers do not report alcohol test results on the MIS form: Do not fill-out Section IV if you are a USCG-regulated employer.*

Section IV, Column 1. Total Number of Screening Test Results ~ This column requires a count of the total number of screening test results in each testing category during the entire reporting year. Count the number of screening tests as the number of screening test events with final screening results of below 0.02, of 0.02 through 0.039, of 0.04 or greater, and all refusals. Do not count cancelled tests in this total.

[Example: A company that conducted twenty pre-employment tests would enter “20” on the Pre-Employment row. If it conducted fifty random tests, “50” would be entered. If that company did no post-accident, reasonable suspicion, reasonable cause, return-to-duty, or follow-up tests, those categories will be left blank or zeros entered.]

Section IV, Column 2. Screening Tests With Results Below 0.02 ~ This column requires a count of the number of tests in each testing category that the BAT or STT reported as being below 0.02 on the screening test.

[Example: If seventeen of the company’s twenty pre-employment screening tests were reported as being below 0.02, “17” would be entered in Column 2 on the Pre-Employment row. If forty-four of the company’s fifty random screening test results were reported as being below 0.02, “44” would be entered in Column 2 on the Random row. Because the company did no other testing, those other categories would be left blank or zeros entered.]

Section IV, Column 3. Screening Tests With Results 0.02 Or Greater ~ This column requires a count of the number of screening tests in each testing category that BAT or STT reported as being 0.02 or greater on the screening test.

[Example: If one of the twenty pre-employment tests was reported as being 0.02 or greater, “1” would be entered in Column 3 on the Pre-Employment row. If four of the company’s fifty random test results were reported as being 0.02 or greater, “4” would be entered in Column 3 on the Random row.]

Section IV, Column 4. Number of Confirmation Test Results ~ This column requires entry of the number of confirmation tests that were conducted by a BAT as a result of the screening tests that were found to be 0.02 or greater. In effect, all screening tests of 0.02 or greater should have resulted in confirmation tests. Ideally the number of tests in Column 3 and Column 4 should be the same. However, we know that this required confirmation test sometimes does not occur. In any case, the number of confirmation tests that were actually performed should be entered in Column 4.

[Example: If the one pre-employment screening test reported as 0.02 or greater had a subsequent confirmation test performed by a BAT, “1” would be entered in Column 4 on the Pre-Employment row. If three of the four random screening tests that were found to be 0.02 or greater had a subsequent confirmation test performed by a BAT, “3” would be entered in Column 4 on the Random row.]

Section IV, Column 5. Confirmation Tests With Results 0.02 Through 0.039 ~ This column requires entry of the number of confirmation tests that were conducted by a BAT that led to results that were 0.02 through 0.039.

[Example: If the one pre-employment confirmation test yielded a result of 0.042, Column 5 of the Pre-Employment row would be left blank or zeros entered. If two of the random confirmation tests yielded results of 0.03 and 0.032, “2” would be entered in Column 5 of the Random row.]

Section IV, Column 6. Confirmation Tests With Results 0.04 Or Greater ~ This column requires entry of the number of confirmation tests that were conducted by a BAT that led to results that were 0.04 or greater.

[Example: Because the one pre-employment confirmation test yielded a result of 0.042, “1” would be entered in Column 6 of the Pre-Employment row. If one of the random confirmation tests yielded a result of 0.04, “1” would be entered in Column 6 of the Random row.]

TIP ~ *Column 1 should equal the sum of Columns 2, 3, 7, and 8. The number of screening tests results should reflect the number of screening tests you have no matter the result (below 0.02 or at or above 0.02, plus refusals to test), unless of course, the tests were ultimately cancelled. So, Column 1 = Column 2 + Column 3 + Column 7 + Column 8. Certainly, double check your records to determine if your actual screening results count is reflective of all these counts.*

There is no need to record MIS confirmation tests results below 0.02: That is why we have no column for it on the form. [If the random test that screened 0.02 went to a confirmation test, and that confirmation test yielded a result below 0.02, there is no place for that confirmed result to be entered.] We assume that if a confirmation test was completed but not listed in either Column 5 or Column 6, the result was below 0.02. In addition, if the confirmation test ended up being cancelled, it should not have been included in Columns 1, 3, or 4 in the first place.

Section IV, Columns 7 and 8. Refusal Results ~ The refusal section is divided into two refusal groups – they are: Shy Lung ~ With No Medical Explanation; and Other Refusals To Submit to Testing. When an individual does not provide enough breath at the test site, the company requires the employee to have a medical evaluation to determine if there exists a medical reason for the person’s inability to provide the appropriate amount of breath. If there is no medical reason to support the inability as reported by the examining physician, the employer calls the result a refusal to test: Refusals of this type are reported in the “Shy Lung ~ With No Medical Explanation” category.

Finally, additional reasons exist for a test to be considered a refusal. Some examples are: the employee fails to report to the test site as directed by the employer; the employee leaves the test site without permission; the employee fails to sign the certification at Step 2 of the ATF; the employee refuses to have a required shy lung evaluation. Again, these are only four examples; there are more.

■ **Section IV, Column 7. “Shy Lung” ~ With No Medical Explanation** ~ This column requires the count of the number of tests in which there is no medical reason to support the employee’s inability to provide an adequate breath as reported by the examining physician; subsequently, the employer called the result a refusal to test.

[Example: If one of the 50 random tests was a refusal because of shy lung, “1” would be entered in Column 7 of the Random row.]

■ **Section IV, Column 8. Other Refusals To Submit To Testing** ~ This column requires the count of refusals other than those already entered in Columns 7.

[Example: The company entered “50” as the number of random specimens collected, however it had one employee who did not show up at the testing site as directed. Because of this one refusal event, “1” would be entered in Column 8 of the Random row.]

TIP ~ *Even though some testing events result in a refusal in which no breath (or saliva) was tested, there is an expectation that your overall numbers for screening tests (in Column 1) will equal the total number of screening tests with results below 0.02 (Column 2); screening tests with results 0.02 or greater (Column 3); and refusals (Columns 7 and 8). Do not worry that no breath (or saliva) was tested for some refusals; all refusals are counted as a screening test event for MIS purposes and for establishing random rates.*

Section IV, Column 9. Cancelled Tests ~ This column requires a count of the number of tests in each testing category that the BAT or STT reported as cancelled. Do not count any cancelled tests in Column 1 or in any other column other than Column 9. For instance, you must not count a 0.04 screening result or confirmation result in any column, other than Column 9, if the test was ultimately cancelled for some reason (e.g., a required air blank was not performed).

[Example: If a pre-employment test was reported cancelled, "1" would be entered in Column 9 on the Pre-Employment row. If three of the company's random test results were reported cancelled, "3" would be entered in Column 13 on the Random row.]

TOTAL Line. Columns 1 through 9 ~ This line requires you to add the numbers in each column and provide the totals.

[68 FR 43952, July 25, 2003]

PART 41—SEISMIC SAFETY

Sec.

- 41.100 Purpose and applicability.
- 41.105 Definitions.
- 41.110 New DOT owned buildings and additions to buildings.
- 41.115 New buildings to be leased for DOT occupancy.
- 41.117 Buildings built with Federal assistance.
- 41.119 DOT regulated buildings.
- 41.120 Acceptable model codes.
- 41.125 Judicial review.

AUTHORITY: 42 U.S.C. 7701 *et seq.*; 49 U.S.C. 322; E.O. 12699, 3 CFR, 1990 Comp., p. 269.

SOURCE: 58 FR 32871, June 14, 1993, unless otherwise noted.

§ 41.100 Purpose and applicability.

(a) This part implements the provisions of 49 U.S.C. 7701 *et seq.* and Executive Order (E.O.) 12699, "Seismic Safety of Federal and Federally-Assisted or Regulated New Building Construction" (3 CFR, 1990 Comp., p. 269). Under the Executive Order the DOT is given the responsibility for developing and implementing its own mission-appropriate and cost-effective regulations governing seismic safety.

(b) This part applies to new DOT owned buildings and to new DOT leased, assisted and regulated buildings. The purpose of this part is to reduce risk to lives of the building occupants, improve the capabilities of essential buildings to function during or after an earthquake, and to reduce earthquake losses of public buildings and investments.

(c) This part may be further implemented by the DOT Operating Administrations.

§ 41.105 Definitions.

As used in this part—

Operating Administration includes the Office of the Secretary.

DOT means the U.S. Department of Transportation.

§ 41.110 New DOT owned buildings and additions to buildings.

(a) DOT Operating Administrations responsible for the design and construction of new DOT Federally owned buildings will ensure that each building is designed and constructed in accord with the seismic design and construction standards set out in § 41.120 of this part.

(b) This section pertains to all building projects for which development of detailed plans and specifications was initiated after January 5, 1990. It applies to additions to existing buildings as well as to new buildings. It applies worldwide.

(c) For DOT Federally owned buildings, a certification of compliance with the seismic design and construction requirements of this part is required prior to the acceptance of the building. Such statements of compliance may include the engineer's and architect's authenticated verifications of seismic design codes, standards, and practices used in the design and construction of the building, construction observation reports, local or state building department plan review documents, or other

Item and category of records	Retention period
(d) Supporting data for valuation inventory reports and records. This includes related notes, maps and sketches, underlying engineering, land, and accounting reports, pricing schedules, summary or collection sheets, yearly reports of changes and other miscellaneous data, all relating to the valuation of the company's property by the Federal Highway Administration, the Surface Transportation Board, the Department of Transportation's Bureau of Transportation Statistics or other regulatory body.	3 years after disposition of the property.
2. Supporting data for periodical reports of accidents, inspections, tests, hours of service, repairs, etc..	3 years.
3. Supporting data for periodical statistical of operating results or performance by tonnage, mileage, passengers carried, piggyback traffic, commodities, costs, analyses of increases and decreases, or otherwise.	3 years.
M. Miscellaneous	
1. Index of records	Until revised as record structure changes.
2. Statement listing records prematurely destroyed or lost	For the remainder of the period as prescribed for records destroyed.

NOTE A—Records referenced to this note shall be maintained as determined by the designated records supervisory official. Companies should be mindful of the record retention requirements of the Internal Revenue Service, Securities and Exchange Commission, State and local jurisdictions, and other regulatory agencies. Companies shall exercise reasonable care in choosing retention periods, and the choice of retention periods shall reflect past experiences, company needs, pending litigation, and regulatory requirements.

PART 380—SPECIAL TRAINING REQUIREMENTS

Subpart A—Longer Combination Vehicle (LCV) Driver-Training and Driver-Instructor Requirements—General

- Sec.
- 380.101 Purpose and scope.
- 380.103 Applicability.
- 380.105 Definitions.
- 380.107 General requirements.
- 380.109 Driver testing.
- 380.111 Substitute for driver training.
- 380.113 Employer responsibilities.

Subpart B—LCV Driver-Training Program

- 380.201 General requirements.
- 380.203 LCV Doubles.
- 380.205 LCV Triples.

Subpart C—LCV Driver-Instructor Requirements

- 380.301 General requirements.
- 380.303 Substitute for instructor requirements.
- 380.305 Employer responsibilities.

Subpart D—Driver-Training Certification

- 380.401 Certification document.

Subpart E—Entry-Level Driver Training Requirements

- 380.501 Applicability.
- 380.502 Definitions.
- 380.503 Entry-level driver training requirements.
- 380.505 Proof of training.
- 380.507 Driver responsibilities.

- 380.509 Employer responsibilities.
- 380.511 Employer recordkeeping responsibilities.
- 380.513 Required information on the training certificate.

APPENDIX TO PART 380—LCV DRIVER TRAINING PROGRAMS, REQUIRED KNOWLEDGE AND SKILLS

AUTHORITY: 49 U.S.C. 31133, 31136, 31307, and 31502; sec. 4007(a) and (b) of Pub. L. 102–240 (105 Stat. 2151–2152); and 49 CFR 1.73.

SOURCE: 69 FR 16732, Mar. 30, 2004, unless otherwise noted.

Subpart A—Longer Combination Vehicle (LCV) Driver-Training and Driver-Instructor Requirements—General

§ 380.101 Purpose and scope.

(a) *Purpose.* The purpose of this part is to establish minimum requirements for operators of longer combination vehicles (LCVs) and LCV driver-instructors.

(b) *Scope.* This part establishes:
 (1) Minimum training requirements for operators of LCVs;

(2) Minimum qualification requirements for LCV driver-instructors; and

(3) Procedures for determining compliance with this part by operators, instructors, training institutions, and employers.

§ 380.103 Applicability.

The rules in this part apply to all operators of LCVs in interstate commerce, employers of such persons, and LCV driver-instructors.

§ 380.105 Definitions.

(a) The definitions in part 383 of this subchapter apply to this part, except where otherwise specifically noted.

(b) As used in this part:

Classroom instructor means a qualified LCV driver-instructor who provides knowledge instruction that does not involve the actual operation of a longer combination vehicle or its components. Instruction may take place in a parking lot, garage, or any other facility suitable for instruction.

Longer combination vehicle (LCV) means any combination of a truck-tractor and two or more trailers or semi-trailers, which operate on the National System of Interstate and Defense Highways with a gross vehicle weight (GVW) greater than 36,288 kilograms (80,000 pounds).

LCV Double means an LCV consisting of a truck-tractor in combination with two trailers and/or semi-trailers.

LCV Triple means an LCV consisting of a truck-tractor in combination with three trailers and/or semi-trailers.

Qualified LCV driver-instructor means an instructor meeting the requirements contained in subpart C of this part. There are two types of qualified LCV driver-instructors: (1) classroom instructor and (2) skills instructor.

Skills instructor means a qualified LCV driver-instructor who provides behind-the-wheel instruction involving the actual operation of a longer combination vehicle or its components outside a classroom.

Training institution means any technical or vocational school accredited by an accrediting institution recognized by the U.S. Department of Education. A motor carrier's training program for its drivers or an entity that exclusively offers services to a single motor carrier is not a training institution.

§ 380.107 General requirements.

(a) Except as provided in § 380.111, a driver who wishes to operate an LCV shall first take and successfully com-

plete an LCV driver-training program that provides the knowledge and skills necessary to operate an LCV. The specific types of knowledge and skills that a training program shall include are outlined in the appendix to this part.

(b) Before a person receives training:

(1) That person shall present evidence to the LCV driver-instructor showing that he/she meets the general requirements set forth in subpart B of this part for the specific type of LCV training to be taken.

(2) The LCV driver-instructor shall verify that each trainee applicant meets the general requirements for the specific type of LCV training to be taken.

(c) Upon successful completion of the training requirement, the driver-student shall be issued an LCV Driver Training Certificate by a certifying official of the training entity in accordance with the requirements specified in subpart D of this part.

§ 380.109 Driver testing.

(a) *Testing methods.* The driver-student must pass knowledge and skills tests in accordance with the following requirements, to determine whether a driver-student has successfully completed an LCV driver-training program as specified in subpart B of this part. The written knowledge test may be administered by any qualified driver-instructor. The skills tests, based on actual operation of an LCV, must be administered by a qualified LCV skills instructor.

(1) All tests shall be constructed to determine if the driver-student possesses the required knowledge and skills set forth in the appendix to this part for the specific type of LCV training program being taught.

(2) Instructors shall develop their own tests for the specific type of LCV-training program being taught, but those tests must be at least as stringent as the requirements set forth in paragraph (b) of this section.

(3) LCV driver-instructors shall establish specific methods for scoring the knowledge and skills tests.

(4) Passing scores must meet the requirements of paragraph (b) of this section.

(5) Knowledge and skills tests shall be based upon the information taught in the LCV training programs as set forth in the appendix to this part.

(6) Each knowledge test shall address the training provided during both theoretical and behind-the-wheel instruction, and include at least one question from each of the units listed in the table to the appendix to this part, for the specific type of LCV training program being taught.

(7) Each skills test shall include all the maneuvers and operations practiced during the Proficiency Development unit of instruction (behind-the-wheel instruction), as described in the appendix to this part, for the specific type of LCV training program being taught.

(b) *Proficiency determinations.* The driver-student must meet the following conditions to be certified as an LCV driver:

(1) Answer correctly at least 80 percent of the questions on each knowledge test; and

(2) Demonstrate that he/she can successfully perform all of the skills addressed in paragraph (a)(7) of this section.

(c) *Automatic test failure.* Failure to obey traffic laws or involvement in a preventable crash during the skills portion of the test will result in automatic failure. Automatic test failure determinations are made at the sole discretion of the qualified LCV driver-instructor.

(d) *Guidance for testing methods and proficiency determinations.* Motor carriers should refer to the Examiner's Manual for Commercial Driver's License Tests for help in developing testing methods and making proficiency determinations. You may obtain a copy of this document by contacting the American Association of Motor Vehicle Administrators (AAMVA), 4300 Wilson Boulevard, Suite 400, Arlington, Virginia 22203.

§ 380.111 Substitute for driver training.

(a) *Grandfather clause.* The LCV driver-training requirements specified in subpart B of this part do not apply to an individual who meets the conditions set forth in paragraphs (b), (c), and (d)

of this section. A motor carrier must ensure that an individual claiming eligibility to operate an LCV on the basis of this section meets these conditions before allowing him/her to operate an LCV.

(b) An individual must certify that, during the 2-year period immediately preceding the date of application for a Certificate of Grandfathering, he/she had:

(1) A valid Class A CDL with a "double/triple trailers" endorsement;

(2) No more than one driver's license;

(3) No suspension, revocation, or cancellation of his/her CDL;

(4) No convictions for a major offense while operating a CMV as defined in § 383.51(b) of this subchapter;

(5) No convictions for a railroad-highway grade crossing offense while operating a CMV as defined in § 383.51(d) of this subchapter;

(6) No convictions for violating an out-of-service order as defined in § 383.51(e) of this subchapter;

(7) No more than one conviction for a serious traffic violation, as defined in § 383.5 of this subchapter, while operating a CMV; and

(8) No convictions for a violation of State or local law relating to motor vehicle traffic control arising in connection with any traffic crash while operating a CMV.

(c) An individual must certify and provide evidence that he/she:

(1) Is regularly employed in a job requiring the operation of a CMV that requires a CDL with a double/triple trailers endorsement; and

(2) Has operated, during the 2 years immediately preceding the date of application for a Certificate of Grandfathering, vehicles representative of the type of LCV that he/she seeks to continue operating.

(d) A motor carrier must issue a Certificate of Grandfathering to a person who meets the requirements of this section and must maintain a copy of the certificate in the individual's Driver Qualification file.

Longer Combination Vehicle (LCV) Driver-Training Certificate of Grandfathering	
I certify that _____ has presented evidence of meeting the prerequisites set forth in the Federal Motor Carrier Safety Regulations (49 CFR § 380.111) for the substitute for LCV driver training and is qualified to operate the LCVs indicated below:	
YES	NO
<input type="checkbox"/>	<input type="checkbox"/>
LCV Doubles	
<input type="checkbox"/>	<input type="checkbox"/>
LCV Triples	
DRIVER NAME (First name, MI, Last name)	
Commercial Driver's License Number	STATE
ADDRESS OF DRIVER (Street Address, City, State and Zip Code)	
FULL NAME OF MOTOR CARRIER	Telephone Number
ADDRESS OF PRINCIPAL PLACE OF BUSINESS (Street Address, City, State, and Zip Code)	
SIGNATURE OF MOTOR CARRIER OFFICIAL	DATE ISSUED

(e) An applicant may be grandfathered under this section only during the year following June 1, 2004.

§ 380.113 Employer responsibilities.

- (a) No motor carrier shall:
 - (1) Allow, require, permit or authorize an individual to operate an LCV unless he/she meets the requirements in §§ 380.203 or 380.205 and has been issued the LCV driver-training certificate described in § 380.401. This provision does not apply to individuals who are eligible for the substitute for driver training provision in § 380.111.
 - (2) Allow, require, permit, or authorize an individual to operate an LCV which the LCV driver-training certificate, CDL, and CDL endorsement(s) do not authorize the driver to operate. This provision applies to individuals employed by or under contract to the motor carrier.
 - (b) A motor carrier that employs or has under contract LCV drivers shall provide evidence of the certifications required by § 380.401 or § 380.111 of this

part when requested by an authorized FMCSA, State, or local official in the course of a compliance review.

Subpart B—LCV Driver-Training Program

§ 380.201 General requirements.

- (a) The LCV Driver-Training Program that is described in the appendix to this part requires training using an LCV Double or LCV Triple and must include the following general categories of instruction:
 - (1) Orientation;
 - (2) Basic operation;
 - (3) Safe operating practices;
 - (4) Advanced operations; and
 - (5) Nondriving activities.
- (b) The LCV Driver-Training Program must include the minimum topics of training set forth in the appendix to this part and behind-the-wheel instruction that is designed to provide an opportunity to develop the skills outlined under the Proficiency Development unit of the training program.

§ 380.203 LCV Doubles.

(a) To qualify for the training necessary to operate an LCV Double, a driver-student shall, during the 6 months immediately preceding application for training, have:

(1) A valid Class A CDL with a double/triple trailer endorsement;

(2) Driving experience in a Group A vehicle as described in §383.91 of this subchapter. Evidence of driving experience shall be an employer's written statement that the driver has, for at least 6 months immediately preceding application, operated a Group A vehicle while under his/her employ;

(3) No more than one driver's license;

(4) No suspension, revocation, or cancellation of his/her CDL;

(5) No convictions for a major offense, as defined in §383.51(b) of this subchapter, while operating a CMV;

(6) No convictions for a railroad-highway grade crossing offense, as defined in §383.51(d) of this subchapter, while operating a CMV;

(7) No convictions for violating an out-of-service order as defined in §383.51(e) of this subchapter;

(8) No more than one conviction for a serious traffic violation, as defined in §383.5 of this subchapter, while operating a CMV; and

(9) No convictions for a violation of State or local law relating to motor vehicle traffic control arising in connection with any traffic crash while operating a CMV.

(b) Driver-students meeting the preliminary requirements in paragraph (a) of this section shall successfully complete a training program that meets the minimum unit requirements for LCV Doubles as set forth in the appendix to this part.

(c) Driver-students who successfully complete the Driver Training Program for LCV Doubles shall be issued a certificate, in accordance with subpart D of this part, indicating the driver is qualified to operate an LCV Double.

§ 380.205 LCV Triples.

(a) To qualify for the training necessary to operate an LCV Triple, a driver-student shall, during the 6 months immediately preceding application for training, have:

(1) A valid Class A CDL with a double/triple trailer endorsement;

(2) Experience operating the vehicle listed under paragraph (a)(2)(i) or (a)(2)(ii) of this section. Evidence of driving experience shall be an employer's written statement that the driver has, during the 6 months immediately preceding application, operated the applicable vehicle(s):

(i) Group A truck-tractor/semi-trailer combination as described in §383.91 of this subchapter; or

(ii) Group A truck-tractor/semi-trailer/trailer combination that operates at a gross vehicle weight of 80,000 pounds or less;

(3) No more than one driver's license;

(4) No suspension, revocation, or cancellation of his/her CDL;

(5) No convictions for a major offense, as defined in §383.51(b) of this subchapter, while operating a CMV;

(6) No convictions for a railroad-highway grade crossing offense, as defined in §383.51(d) of this subchapter, while operating a CMV;

(7) No convictions for violating an out-of-service order, as defined in §383.51(e) of this subchapter;

(8) No more than one conviction for a serious traffic violation, as defined in §383.5 of this subchapter, while operating a CMV; and

(9) No convictions for a violation of State or local law relating to motor vehicle traffic control arising in connection with any traffic crash, while operating a CMV.

(b) Driver-students meeting the preliminary requirements in paragraph (a) of this section shall successfully complete a training program that meets the minimum unit requirements for LCV Triples as set forth in the appendix to this part.

(c) Driver-students who successfully complete the Driver Training Program for LCV Triples shall be issued a certificate, in accordance with subpart D of this part, indicating the driver is qualified to operate an LCV Triple.

Subpart C—LCV Driver-Instructor Requirements

§ 380.301 General requirements.

There are two types of LCV driver-instructors: Classroom instructors and

Skills instructors. Except as provided in §380.303, you must meet the conditions under paragraph (a) or paragraph (b) of this section to qualify as an LCV driver-instructor.

(a) *Classroom instructor.* To qualify as an LCV Classroom instructor, a person shall:

(1) Have audited the driver-training course that he/she intends to instruct.

(2) If employed by a training institution, meet all State requirements for a vocational instructor.

(b) *Skills instructor.* To qualify as an LCV skills instructor, a person shall:

(1) Provide evidence of successful completion of the Driver-Training Program requirements, as set forth in subpart B of this part, when requested by employers and/or an authorized FMCSA, State, or local official in the course of a compliance review. The Driver-Training Program must be for the operation of CMVs representative of the subject matter that he/she will teach.

(2) If employed by a training institution, meet all State requirements for a vocational instructor;

(3) Possess a valid Class A CDL with all endorsements necessary to operate the CMVs applicable to the subject matter being taught (LCV Doubles and/or LCV Triples, including any specialized variation thereof, such as a tank vehicle, that requires an additional endorsement); and

(4) Have at least 2 years' CMV driving experience in a vehicle representative of the type of driver training to be provided (LCV Doubles or LCV Triples).

§ 380.303 Substitute for instructor requirements.

(a) *Classroom instructor.* The requirements specified under § 380.301(a) of this part for a qualified LCV driver-instructor are waived for a classroom instructor-candidate who has 2 years of recent satisfactory experience teaching the classroom portion of a program similar in content to that set forth in the appendix to this part.

(b) *Skills instructor.* The requirements specified under § 380.301(b) of this part for a qualified LCV driver-instructor are waived for a skills instructor-candidate who:

(1) Meets the conditions of §380.111(b);

(2) Has CMV driving experience during the previous 2 years in a vehicle representative of the type of LCV that is the subject of the training course to be provided;

(3) Has experience during the previous 2 years in teaching the operation of the type of LCV that is the subject of the training course to be provided; and

(4) If employed by a training institution, meets all State requirements for a vocational instructor.

§ 380.305 Employer responsibilities.

(a) No motor carrier shall: (1) Knowingly allow, require, permit or authorize a driver-instructor in its employ, or under contract to the motor carrier, to provide LCV driver training unless such person is a qualified LCV driver-instructor under the requirements of this subpart; or

(2) Contract with a training institution to provide LCV driver training unless the institution:

(i) Uses instructors who are qualified LCV driver-instructors under the requirements of this subpart;

(ii) Is accredited by an accrediting institution recognized by the U.S. Department of Education;

(iii) Is in compliance with all applicable State training school requirements; and

(iv) Identifies drivers certified under §380.401 of this part, when requested by employers and/or an authorized FMCSA, State, or local official in the course of a compliance review.

(b) A motor carrier that employs or has under contract qualified LCV driver-instructors shall provide evidence of the certifications required by §380.301 or §380.303 of this part, when requested by an authorized FMCSA, State, or local official in the course of a compliance review.

Subpart D—Driver-Training Certification

§ 380.401 Certification document.

(a) A student who successfully completes LCV driver training shall be issued a Driver-Training Certificate

that is substantially in accordance with the following form.

Longer Combination Vehicle (LCV) Driver-Training Certificate	
I certify that _____ has presented evidence of meeting the training prerequisites set forth in the Federal Motor Carrier Safety Regulations (49 CFR §§ 380.203(a) and 380.205(a)) for LCV training, and has successfully completed the LCV Driver-Training Course(s) indicated below:	
YES NO <input type="checkbox"/> <input type="checkbox"/>	LCV Doubles _____ <div style="text-align: right; margin-left: 150px;">Date Training Completed</div>
<input type="checkbox"/> <input type="checkbox"/>	LCV Triples _____ <div style="text-align: right; margin-left: 150px;">Date Training Completed</div>
I certify that the indicated LCV Driver-Training course(s) was provided by a qualified LCV driver-instructor as defined under 49 CFR § 380.105 and meet(s) the minimum requirements set forth in 49 CFR part 380, subparts A and B.	
DRIVER NAME (First Name, MI, Last Name)	
Commercial Driver's License Number	STATE
ADDRESS OF DRIVER (Street Address, City, State and Zip Code)	
FULL NAME OF TRAINING ENTITY	Telephone Number
BUSINESS ADDRESS (Street Address, City, State, and Zip Code)	
SIGNATURE OF TRAINING CERTIFYING OFFICIAL	DATE ISSUED

(b) An LCV driver must provide a copy of the Driver-Training Certificate to his/her employer to be filed in the Driver Qualification File.

Subpart E—Entry-Level Driver Training Requirements

SOURCE: 69 FR 29404, May 21, 2004, unless otherwise noted.

§ 380.501 Applicability.

All entry-level drivers who drive in interstate commerce and are subject to the CDL requirements of part 383 of this chapter must comply with the rules of this subpart, except drivers who are subject to the jurisdiction of the Federal Transit Administration or

who are otherwise exempt under § 390.3(f) of this subchapter.

§ 380.502 Definitions.

(a) The definitions in part 383 of this chapter apply to this part, except where otherwise specifically noted.

(b) As used in this subpart:

Entry-level driver is a driver with less than one year of experience operating a CMV with a CDL in interstate commerce.

Entry-level driver training is training the CDL driver receives in driver qualification requirements, hours of service of drivers, driver wellness, and whistle blower protection as appropriate to the entry-level driver's current position in addition to passing the CDL test.

§ 380.503 Entry-level driver training requirements.

Entry-level driver training must include instruction addressing the following four areas:

(a) *Driver qualification requirements.* The Federal rules on medical certification, medical examination procedures, general qualifications, responsibilities, and disqualifications based on various offenses, orders, and loss of driving privileges (part 391, subparts B and E of this subchapter).

(b) *Hours of service of drivers.* The limitations on driving hours, the requirement to be off-duty for certain periods of time, record of duty status preparation, and exceptions (part 395 of this subchapter). Fatigue countermeasures as a means to avoid crashes.

(c) *Driver wellness.* Basic health maintenance including diet and exercise. The importance of avoiding excessive use of alcohol.

(d) *Whistleblower protection.* The right of an employee to question the safety practices of an employer without the employee's risk of losing a job or being subject to reprisals simply for stating a safety concern (29 CFR part 1978).

§ 380.505 Proof of training.

An employer who uses an entry-level driver must ensure the driver has received a training certificate containing all the information contained in § 380.513 from the training provider.

§ 380.507 Driver responsibilities.

Each entry-level driver must receive training required by § 380.503.

§ 380.509 Employer responsibilities.

(a) Each employer must ensure each entry-level driver who first began operating a CMV requiring a CDL in interstate commerce after July 20, 2003, receives training required by § 380.503.

(b) Each employer must place a copy of the driver's training certificate in the driver's personnel or qualification file.

(c) All records required by this subpart shall be maintained as required by § 390.31 of this subchapter and shall be made available for inspection at the employer's principal place of business within two business days after a request has been made by an authorized

representative of the Federal Motor Carrier Safety Administration.

§ 380.511 Employer recordkeeping responsibilities.

The employer must keep the records specified in § 380.505 for as long as the employer employs the driver and for one year thereafter.

§ 380.513 Required information on the training certificate.

The training provider must provide a training certificate or diploma to the entry-level driver. If an employer is the training provider, the employer must provide a training certificate or diploma to the entry-level driver. The certificate or diploma must contain the following seven items of information:

- (a) Date of certificate issuance.
- (b) Name of training provider.
- (c) Mailing address of training provider.
- (d) Name of driver.

(e) A statement that the driver has completed training in driver qualification requirements, hours of service of drivers, driver wellness, and whistleblower protection requirements substantially in accordance with the following sentence:

I certify _____ has completed training requirements set forth in the Federal Motor Carrier Safety Regulations for entry-level driver training in accordance with 49 CFR 380.503.

(f) The printed name of the person attesting that the driver has received the required training.

(g) The signature of the person attesting that the driver has received the required training.

APPENDIX TO PART 380—LCV DRIVER TRAINING PROGRAMS, REQUIRED KNOWLEDGE AND SKILLS

The following table lists topics of instruction required for drivers of longer combination vehicles pursuant to 49 CFR part 380, subpart B. The training courses for operators of LCV Doubles and LCV Triples must be distinct and tailored to address their unique operating and handling characteristics. Each course must include the minimum topics of instruction, including behind-the-wheel training designed to provide an opportunity to develop the skills outlined under the Proficiency Development unit of the training

program. Only a skills instructor may administer behind-the-wheel training involving the operation of an LCV or one of its components. A classroom instructor may administer only instruction that does not involve the operation of an LCV or one of its components.

TABLE TO THE APPENDIX—COURSE TOPICS FOR LCV DRIVERS

Section 1: Orientation	
1.1	LCVs in Trucking
1.2	Regulatory Factors
1.3	Driver Qualifications
1.4	Vehicle Configuration Factors
Section 2: Basic Operation	
2.1	Coupling and Uncoupling
2.2	Basic Control and Handling
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2.4	Turning, Steering and Tracking
2.5	Proficiency Development
Section 3: Safe Operating Practices	
3.1	Interacting with Traffic
3.2	Speed and Space Management
3.3	Night Operations
3.4	Extreme Driving Conditions
3.5	Security Issues
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Section 4: Advanced Operations	
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4.2	Hazardous Situations
4.3	Maintenance and Troubleshooting
Section 5: Non-Driving Activities	
5.1	Routes and Trip Planning
5.2	Cargo and Weight Considerations

SECTION 1—ORIENTATION

The units in this section must provide an orientation to the training curriculum and must cover the role LCVs play within the motor carrier industry, the factors that affect their operations, and the role that drivers play in the safe operation of LCVs.

Unit 1.1—LCVs in Trucking. This unit must provide an introduction to the emergence of LCVs in trucking and must serve as an orientation to the course content. Emphasis must be placed upon the role the driver plays in transportation.

Unit 1.2—Regulatory factors. This unit must provide instruction addressing the Federal,

State, and local governmental bodies that propose, enact, and implement the laws, rules, and regulations that affect the trucking industry. Emphasis must be placed on those regulatory factors that affect LCVs, including 23 CFR 658.23 and Appendix C to part 658.

Unit 1.3—Driver qualifications. This unit must provide classroom instruction addressing the Federal and State laws, rules, and regulations that define LCV driver qualifications. It also must include a discussion on medical examinations, drug and alcohol tests, certification, and basic health and wellness issues. Emphasis must be placed upon topics essential to physical and mental health maintenance, including (1) diet, (2) exercise, (3) avoidance of alcohol and drug abuse, and caution in the use of prescription and nonprescription drugs, (4) the adverse effects of driver fatigue, and (5) effective fatigue countermeasures. Driver-trainees who have successfully completed the Entry-level training segments at §380.503(a) and (c) are considered to have satisfied the requirements of Unit 1.3.

Unit 1.4—Vehicle configuration factors. This unit must provide classroom instruction addressing the key vehicle components used in the configuration of longer combination vehicles. It also must familiarize the driver-trainee with various vehicle combinations, as well as provide instruction about unique characteristics and factors associated with LCV configurations.

SECTION 2—BASIC OPERATION

The units in this section must cover the interaction between the driver and the vehicle. They must teach driver-trainees how to couple and uncouple LCVs, ensure the vehicles are in proper operating condition, and control the motion of LCVs under various road and traffic conditions.

During the driving exercises at off-highway locations required by this section, the driver-trainee must first familiarize himself/herself with basic operating characteristics of an LCV. Utilizing an LCV, students must be able to perform the skills learned in each unit to a level of proficiency required to permit safe transition to on-street driving.

Unit 2.1—Coupling and uncoupling. This unit must provide instruction addressing the procedures for coupling and uncoupling LCVs. While vehicle coupling and uncoupling procedures are common to all truck-tractor/semi-trailer operations, some factors are peculiar to LCVs. Emphasis must be placed upon preplanning and safe operating procedures.

Unit 2.2—Basic control and handling. This unit must provide an introduction to basic vehicular control and handling as it applies

to LCVs. This must include instruction addressing brake performance, handling characteristics and factors affecting LCV stability while braking, turning, and cornering. Emphasis must be placed upon safe operating procedures.

Unit 2.3—Basic maneuvers. This unit must provide instruction addressing the basic vehicular maneuvers that will be encountered by LCV drivers. This must include instruction relative to backing, lane positioning and path selection, merging situations, and parking LCVs. Emphasis must be placed upon safe operating procedures as they apply to brake performance and directional stability while accelerating, braking, merging, cornering, turning, and parking.

Unit 2.4—Turning, steering, and tracking. This unit must provide instruction addressing turning situations, steering maneuvers, and the tracking of LCV trailers. This must include instruction related to trailer sway and off-tracking. Emphasis must be placed on maintaining directional stability.

Unit 2.5—Proficiency development: basic operations. The purpose of this unit is to enable driver-students to gain the proficiency in basic operation needed to safely undertake on-street instruction in the Safe Operations Practices section of the curriculum.

The activities of this unit must consist of driving exercises that provide practice for the development of basic control skills and mastery of basic maneuvers. Driver-students practice skills and maneuvers learned in the Basic Control and Handling; Basic Maneuvers; and Turning, Steering and Tracking units. A series of basic exercises is practiced at off-highway locations until students develop sufficient proficiency for transition to on-street driving.

Once the driver-student's skills have been measured and found adequate, the driver-student must be allowed to move to on-the-street driving.

Nearly all activity in this unit will take place on the driving range or on streets or roads that have low-density traffic conditions.

SECTION 3—SAFE OPERATING PRACTICES

The units in this section must cover the interaction between student drivers, the vehicle, and the traffic environment. They must teach driver-students how to apply their basic operating skills in a way that ensures their safety and that of other road users under various road, weather, and traffic conditions.

Unit 3.1—Interacting with traffic. This unit must provide instruction addressing the principles of visual search, communication, and sharing the road with other traffic. Emphasis must be placed upon visual search, mirror usage, signaling and/or positioning the vehicle to communicate, and under-

standing the special situations encountered by LCV drivers in various traffic situations.

Unit 3.2—Speed and space management. This unit must provide instruction addressing the principles of speed and space management. Emphasis must be placed upon maintaining safe vehicular speed and appropriate space surrounding the vehicle under various traffic and road conditions. Particular attention must be placed upon understanding the special situations encountered by LCVs in various traffic situations.

Unit 3.3—Night operations. This unit must provide instruction addressing the principles of Night Operations. Emphasis must be placed upon the factors affecting operation of LCVs at night. Night driving presents specific factors that require special attention on the part of the driver. Changes in vehicle safety inspection, vision, communications, speed management, and space management are needed to deal with the special problems night driving presents.

Unit 3.4—Extreme driving conditions. This unit must provide instruction addressing the driving of LCVs under extreme driving conditions. Emphasis must be placed upon the factors affecting the operation of LCVs in cold, hot, and inclement weather and in the mountains and desert. Changes in basic driving habits are needed to deal with the specific problems presented by these extreme driving conditions.

Unit 3.5—Security issues. This unit must include a discussion of security requirements imposed by the Department of Homeland Security, Transportation Security Administration; the U.S. Department of Transportation, Research and Special Programs Administration; and any other State or Federal agency with responsibility for highway or motor carrier security.

Unit 3.6—Proficiency development. This unit must provide driver-students an opportunity to refine, within the on-street traffic environment, their vehicle handling skills learned in the first three sections. Driver-student performance progress must be closely monitored to determine when the level of proficiency required for carrying out the basic traffic maneuvers of stopping, turning, merging, straight driving, curves, lane changing, passing, driving on hills, driving through traffic restrictions, and parking has been attained. The driver-student must also be assessed for regulatory compliance with all traffic laws.

Nearly all activity in this unit will take place on public roadways in a full range of traffic environments applicable to this vehicle configuration. This must include urban and rural uncontrolled roadways, expressways or freeways, under light, moderate, and heavy traffic conditions. There must be a brief classroom session to familiarize driver-

students with the type of on-street maneuvers they will perform and how their performance will be rated.

The instructor must assess the level of skill development of the driver-student and must increase in difficulty, based upon the level of skill attained, the types of maneuvers, roadways and traffic conditions to which the driver-student is exposed.

SECTION 4—ADVANCED OPERATIONS

The units in this section must introduce higher level skills that can be acquired only after the more fundamental skills and knowledge taught in sections two and three have been mastered. They must teach the perceptual skills necessary to recognize potential hazards, and must demonstrate the procedures needed to handle an LCV when faced with a hazard.

The Maintenance and Trouble-shooting Unit must provide instruction that addresses how to keep the vehicle in safe and efficient operating condition. The purpose of this unit is to teach the correct way to perform simple maintenance tasks, and how to troubleshoot and report those vehicle discrepancies or deficiencies that must be repaired by a qualified mechanic.

Unit 4.1—Hazard perception. This unit must provide instruction addressing the principles of recognizing hazards in sufficient time to reduce the severity of the hazard and neutralize a possible emergency situation. While hazards are present in all motor vehicle traffic operations, some are peculiar to LCV operations. Emphasis must be placed upon hazard recognition, visual search, and response to possible emergency-producing situations encountered by LCV drivers in various traffic situations.

Unit 4.2—Hazardous situations. This unit must address dealing with specific procedures appropriate for LCV emergencies. These must include evasive steering, emergency braking, off-road recovery, brake failures, tire blowouts, rearward amplification, hydroplaning, skidding, jackknifing and the rollover phenomenon. The discussion must include a review of unsafe acts and the role they play in producing hazardous situations.

Unit 4.3—Maintenance and trouble-shooting. This unit must introduce driver-students to the basic servicing and checking procedures for the various vehicle components and provide knowledge of conducting preventive maintenance functions, making simple emergency repairs, and diagnosing and reporting vehicle malfunctions.

SECTION 5—NON-DRIVING ACTIVITIES

The units in this section must cover activities that are not directly related to the vehicle itself but must be performed by an LCV driver. The units in this section must ensure these activities are performed in a manner

that ensures the safety of the driver, vehicle, cargo, and other road users.

Unit 5.1—Routes and trip planning. This unit must address the importance of and requirements for planning routes and trips. This must include classroom discussion of Federal and State requirements for a number of topics including permits, vehicle size and weight limitations, designated highways, local access, the reasonable access rule, staging areas, and access zones.

Unit 5.2—Cargo and weight considerations. This unit must address the importance of proper cargo documentation, loading, securing and unloading cargo, weight distribution, load sequencing and trailer placement. Emphasis must be placed on the importance of axle weight distribution, as well as on trailer placement and its effect on vehicle handling.

PART 381—WAIVERS, EXEMPTIONS, AND PILOT PROGRAMS

Subpart A—General

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(2) A specific data collection and safety analysis plan that identifies a method of comparing the safety performance for motor carriers, CMVs, and drivers operating under the terms and conditions of the pilot program, with the safety performance of motor carriers, CMVs, and drivers that comply with the regulation;

(3) A reasonable number of participants necessary to yield statistically valid findings;

(4) A monitoring plan to ensure that participants comply with the terms and conditions of participation in the pilot program;

(5) Adequate safeguards to protect the health and safety of study participants and the general public; and

(6) A plan to inform the States and the public about the pilot program and to identify approved participants to enforcement personnel and the general public.

§381.510 May the FMCSA end a pilot program before its scheduled completion date?

The FMCSA will immediately terminate a pilot program if there is reason to believe the program is not achieving a level of safety that is at least equivalent to the level of safety that would be achieved by complying with the regulations.

§381.515 May the FMCSA remove approved participants from a pilot program?

The Administrator will immediately revoke participation in a pilot program of a motor carrier, CMV, or driver for failure to comply with the terms and conditions of the pilot program, or if continued participation is inconsistent with the goals and objectives of the safety regulations.

§381.520 What will the FMCSA do with the results from a pilot program?

At the conclusion of each pilot program, the FMCSA will report to Congress the findings and conclusions of the program and any recommendations it considers appropriate, including suggested amendments to laws and regulations that would enhance motor carrier, CMV, and driver safety and improve compliance with the FMCSRs.

Subpart F—Preemption of State Rules

§381.600 Do waivers, exemptions, and pilot programs preempt State laws and regulations?

Yes. During the time period that a waiver, exemption, or pilot program authorized by this part is in effect, no State shall enforce any law or regulation that conflicts with or is inconsistent with the waiver, exemption, or pilot program with respect to a person operating under the waiver or exemption or participating in the pilot program.

PART 382—CONTROLLED SUBSTANCES AND ALCOHOL USE AND TESTING

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AUTHORITY: 49 U.S.C. 31133, 31136, 31301 *et seq.*, 31502; and 49 CFR 1.73.

SOURCE: 66 FR 43103, Aug. 17, 2001, unless otherwise noted.

Subpart A—General

§ 382.101 Purpose.

The purpose of this part is to establish programs designed to help prevent accidents and injuries resulting from the misuse of alcohol or use of controlled substances by drivers of commercial motor vehicles.

§ 382.103 Applicability.

(a) This part applies to every person and to all employers of such persons who operate a commercial motor vehicle in commerce in any State, and is subject to:

(1) The commercial driver’s license requirements of part 383 of this subchapter;

(2) The Licencia Federal de Conductor (Mexico) requirements; or

(3) The commercial drivers license requirements of the Canadian National Safety Code.

(b) An employer who employs himself/herself as a driver must comply with both the requirements in this part that apply to employers and the re-

quirements in this part that apply to drivers. An employer who employs only himself/herself as a driver shall implement a random alcohol and controlled substances testing program of two or more covered employees in the random testing selection pool.

(c) The exceptions contained in § 390.3(f) of this subchapter do not apply to this part. The employers and drivers identified in § 390.3(f) of this subchapter must comply with the requirements of this part, unless otherwise specifically provided in paragraph (d) of this section.

(d) *Exceptions.* This part shall not apply to employers and their drivers:

(1) Required to comply with the alcohol and/or controlled substances testing requirements of part 655 of this title (Federal Transit Administration alcohol and controlled substances testing regulations); or

(2) Who a State must waive from the requirements of part 383 of this subchapter. These individuals include active duty military personnel; members of the reserves; and members of the national guard on active duty, including personnel on full-time national guard duty, personnel on part-time national guard training and national guard military technicians (civilians who are required to wear military uniforms), and active duty U.S. Coast Guard personnel; or

(3) Who a State has, at its discretion, exempted from the requirements of part 383 of this subchapter. These individuals may be:

(i) Operators of a farm vehicle which is:

(A) Controlled and operated by a farmer;

(B) Used to transport either agricultural products, farm machinery, farm supplies, or both to or from a farm;

(C) Not used in the operations of a common or contract motor carrier; and

(D) Used within 241 kilometers (150 miles) of the farmer’s farm.

(ii) Firefighters or other persons who operate commercial motor vehicles which are necessary for the preservation of life or property or the execution of emergency governmental functions, are equipped with audible and visual signals, and are not subject to normal traffic regulation.

§ 382.105 Testing procedures.

Each employer shall ensure that all alcohol or controlled substances testing conducted under this part complies with the procedures set forth in part 40 of this title. The provisions of part 40 of this title that address alcohol or controlled substances testing are made applicable to employers by this part.

§ 382.107 Definitions.

Words or phrases used in this part are defined in §§386.2 and 390.5 of this subchapter, and §40.3 of this title, except as provided in this section—

Actual knowledge for the purpose of subpart B of this part, means actual knowledge by an employer that a driver has used alcohol or controlled substances based on the employer's direct observation of the employee, information provided by the driver's previous employer(s), a traffic citation for driving a CMV while under the influence of alcohol or controlled substances or an employee's admission of alcohol or controlled substance use, except as provided in §382.121. Direct observation as used in this definition means observation of alcohol or controlled substances use and does not include observation of employee behavior or physical characteristics sufficient to warrant reasonable suspicion testing under §382.307.

Alcohol means the intoxicating agent in beverage alcohol, ethyl alcohol, or other low molecular weight alcohols including methyl and isopropyl alcohol.

Alcohol concentration (or content) means the alcohol in a volume of breath expressed in terms of grams of alcohol per 210 liters of breath as indicated by an evidential breath test under this part.

Alcohol use means the drinking or swallowing of any beverage, liquid mixture or preparation (including any medication), containing alcohol.

Commerce means:

(1) Any trade, traffic or transportation within the jurisdiction of the United States between a place in a State and a place outside of such State, including a place outside of the United States; and

(2) Trade, traffic, and transportation in the United States which affects any trade, traffic, and transportation de-

scribed in paragraph (1) of this definition.

Commercial motor vehicle means a motor vehicle or combination of motor vehicles used in commerce to transport passengers or property if the vehicle—

(1) Has a gross combination weight rating of 11,794 or more kilograms (26,001 or more pounds) inclusive of a towed unit with a gross vehicle weight rating of more than 4,536 kilograms (10,000 pounds); or

(2) Has a gross vehicle weight rating of 11,794 or more kilograms (26,001 or more pounds); or

(3) Is designed to transport 16 or more passengers, including the driver; or

(4) Is of any size and is used in the transportation of materials found to be hazardous for the purposes of the Hazardous Materials Transportation Act (49 U.S.C. 5103(b)) and which require the motor vehicle to be placarded under the Hazardous Materials Regulations (49 CFR part 172, subpart F).

Confirmation (or confirmatory) drug test means a second analytical procedure performed on a urine specimen to identify and quantify the presence of a specific drug or drug metabolite.

Confirmation (or confirmatory) validity test means a second test performed on a urine specimen to further support a validity test result.

Confirmed drug test means a confirmation test result received by an MRO from a laboratory.

Consortium/Third party administrator (C/TPA) means a service agent that provides or coordinates one or more drug and/or alcohol testing services to DOT-regulated employers. C/TPAs typically provide or coordinate the provision of a number of such services and perform administrative tasks concerning the operation of the employers' drug and alcohol testing programs. This term includes, but is not limited to, groups of employers who join together to administer, as a single entity, the DOT drug and alcohol testing programs of its members (e.g., having a combined random testing pool). C/TPAs are not "employers" for purposes of this part.

Controlled substances mean those substances identified in §40.85 of this title.

Designated employer representative (DER) is an individual identified by the employer as able to receive communications and test results from service agents and who is authorized to take immediate actions to remove employees from safety-sensitive duties and to make required decisions in the testing and evaluation processes. The individual must be an employee of the company. Service agents cannot serve as DERs.

Disabling damage means damage which precludes departure of a motor vehicle from the scene of the accident in its usual manner in daylight after simple repairs.

(1) *Inclusions.* Damage to motor vehicles that could have been driven, but would have been further damaged if so driven.

(2) *Exclusions.* (i) Damage which can be remedied temporarily at the scene of the accident without special tools or parts.

(ii) Tire disablement without other damage even if no spare tire is available.

(iii) Headlight or taillight damage.
(iv) Damage to turn signals, horn, or windshield wipers which make them inoperative.

DOT Agency means an agency (or "operating administration") of the United States Department of Transportation administering regulations requiring alcohol and/or drug testing (14 CFR parts 61, 63, 65, 121, and 135; 49 CFR parts 199, 219, 382, and 655), in accordance with part 40 of this title.

Driver means any person who operates a commercial motor vehicle. This includes, but is not limited to: Full time, regularly employed drivers; casual, intermittent or occasional drivers; leased drivers and independent owner-operator contractors.

Employer means a person or entity employing one or more employees (including an individual who is self-employed) that is subject to DOT agency regulations requiring compliance with this part. The term, as used in this part, means the entity responsible for overall implementation of DOT drug and alcohol program requirements, including individuals employed by the entity who take personnel actions resulting from violations of this part and

any applicable DOT agency regulations. Service agents are not employers for the purposes of this part.

Licensed medical practitioner means a person who is licensed, certified, and/or registered, in accordance with applicable Federal, State, local, or foreign laws and regulations, to prescribe controlled substances and other drugs.

Performing (a safety-sensitive function) means a driver is considered to be performing a safety-sensitive function during any period in which he or she is actually performing, ready to perform, or immediately available to perform any safety-sensitive functions.

Positive rate for random drug testing means the number of verified positive results for random drug tests conducted under this part plus the number of refusals of random drug tests required by this part, divided by the total number of random drug tests results (i.e., positives, negatives, and refusals) under this part.

Refuse to submit (to an alcohol or controlled substances test) means that a driver:

(1) Fail to appear for any test (except a pre-employment test) within a reasonable time, as determined by the employer, consistent with applicable DOT agency regulations, after being directed to do so by the employer. This includes the failure of an employee (including an owner-operator) to appear for a test when called by a C/TPA (see § 40.61(a) of this title);

(2) Fail to remain at the testing site until the testing process is complete. Provided, that an employee who leaves the testing site before the testing process commences (see § 40.63(c) of this title) a pre-employment test is not deemed to have refused to test;

(3) Fail to provide a urine specimen for any drug test required by this part or DOT agency regulations. Provided, that an employee who does not provide a urine specimen because he or she has left the testing site before the testing process commences (see § 40.63(c) of this title) for a pre-employment test is not deemed to have refused to test;

(4) In the case of a directly observed or monitored collection in a drug test, fails to permit the observation or monitoring of the driver's provision of a

specimen (see §§ 40.67(1) and 40.69(g) of this title);

(5) Fail to provide a sufficient amount of urine when directed, and it has been determined, through a required medical evaluation, that there was no adequate medical explanation for the failure (see § 40.193(d)(2) of this title);

(6) Fail or declines to take a second test the employer or collector has directed the driver to take;

(7) Fail to undergo a medical examination or evaluation, as directed by the MRO as part of the verification process, or as directed by the DER under § 40.193(d) of this title. In the case of a pre-employment drug test, the employee is deemed to have refused to test on this basis only if the pre-employment test is conducted following a contingent offer of employment;

(8) Fail to cooperate with any part of the testing process (e.g., refuse to empty pockets when so directed by the collector, behave in a confrontational way that disrupts the collection process); or

(9) Is reported by the MRO as having a verified adulterated or substituted test result.

Safety-sensitive function means all time from the time a driver begins to work or is required to be in readiness to work until the time he/she is relieved from work and all responsibility for performing work. Safety-sensitive functions shall include:

(1) All time at an employer or shipper plant, terminal, facility, or other property, or on any public property, waiting to be dispatched, unless the driver has been relieved from duty by the employer;

(2) All time inspecting equipment as required by §§ 392.7 and 392.8 of this subchapter or otherwise inspecting, servicing, or conditioning any commercial motor vehicle at any time;

(3) All time spent at the driving controls of a commercial motor vehicle in operation;

(4) All time, other than driving time, in or upon any commercial motor vehicle except time spent resting in a sleeper berth (a berth conforming to the requirements of § 393.76 of this subchapter);

(5) All time loading or unloading a vehicle, supervising, or assisting in the loading or unloading, attending a vehicle being loaded or unloaded, remaining in readiness to operate the vehicle, or in giving or receiving receipts for shipments loaded or unloaded; and

(6) All time repairing, obtaining assistance, or remaining in attendance upon a disabled vehicle.

Screening test (or initial test) means:

(1) In drug testing, a test to eliminate “negative” urine specimens from further analysis or to identify a specimen that requires additional testing for the presence of drugs.

(2) In alcohol testing, an analytical procedure to determine whether an employee may have a prohibited concentration of alcohol in a breath or saliva specimen.

Stand-down means the practice of temporarily removing an employee from the performance of safety-sensitive functions based only on a report from a laboratory to the MRO of a confirmed positive test for a drug or drug metabolite, an adulterated test, or a substituted test, before the MRO has completed verification of the test results.

Violation rate for random alcohol testing means the number of 0.04 and above random alcohol confirmation test results conducted under this part plus the number of refusals of random alcohol tests required by this part, divided by the total number of random alcohol screening tests (including refusals) conducted under this part.

[66 FR 43103, Aug. 17, 2001, as amended at 68 FR 75458, Dec. 31, 2003]

§ 382.109 Preemption of State and local laws.

(a) Except as provided in paragraph (b) of this section, this part preempts any State or local law, rule, regulation, or order to the extent that:

(1) Compliance with both the State or local requirement in this part is not possible; or

(2) Compliance with the State or local requirement is an obstacle to the accomplishment and execution of any requirement in this part.

(b) This part shall not be construed to preempt provisions of State criminal law that impose sanctions for reckless conduct leading to actual loss of life, injury, or damage to property, whether the provisions apply specifically to transportation employees, employers, or the general public.

§ 382.111 Other requirements imposed by employers.

Except as expressly provided in this part, nothing in this part shall be construed to affect the authority of employers, or the rights of drivers, with respect to the use of alcohol, or the use of controlled substances, including authority and rights with respect to testing and rehabilitation.

§ 382.113 Requirement for notice.

Before performing each alcohol or controlled substances test under this part, each employer shall notify a driver that the alcohol or controlled substances test is required by this part. No employer shall falsely represent that a test is administered under this part.

§ 382.115 Starting date for testing programs.

(a) All domestic-domiciled employers must implement the requirements of this part on the date the employer begins commercial motor vehicle operations.

(b) All foreign-domiciled employers must implement the requirements of this part on the date the employer begins commercial motor vehicle operations in the United States.

§ 382.117 Public interest exclusion.

No employer shall use the services of a service agent who is subject to public interest exclusion in accordance with 49 CFR part 40, Subpart R.

§ 382.119 Stand-down waiver provision.

(a) Employers are prohibited from standing employees down, except consistent with a waiver from the Federal Motor Carrier Safety Administration as required under this section.

(b) An employer subject to this part who seeks a waiver from the prohibition against standing down an employee before the MRO has completed

the verification process shall follow the procedures in 49 CFR 40.21. The employer must send a written request, which includes all of the information required by that section to the Federal Motor Carrier Safety Administrator (or the Administrator's designee), U.S. Department of Transportation, 400 Seventh Street, SW., Washington, DC 20590.

(c) The final decision whether to grant or deny the application for a waiver will be made by the Administrator or the Administrator's designee.

(d) After a decision is signed by the Administrator or the Administrator's designee, the employer will be sent a copy of the decision, which will include the terms and conditions for the waiver or the reason for denying the application for a waiver.

(e) Questions regarding waiver applications should be directed to the Office of Enforcement and Compliance, Federal Motor Carrier Safety Administration, 400 Seventh Street, SW., Washington, DC 20590. The telephone number is (202) 366-5720.

§ 382.121 Employee admission of alcohol and controlled substances use.

(a) Employees who admit to alcohol misuse or controlled substances use are not subject to the referral, evaluation and treatment requirements of this part and part 40 of this title, provided that:

(1) The admission is in accordance with a written employer-established voluntary self-identification program or policy that meets the requirements of paragraph (b) of this section;

(2) The driver does not self-identify in order to avoid testing under the requirements of this part;

(3) The driver makes the admission of alcohol misuse or controlled substances use prior to performing a safety sensitive function (i.e., prior to reporting for duty); and

(4) The driver does not perform a safety sensitive function until the employer is satisfied that the employee has been evaluated and has successfully completed education or treatment requirements in accordance with the self-identification program guidelines.

(b) A qualified voluntary self-identification program or policy must contain the following elements:

(1) It must prohibit the employer from taking adverse action against an employee making a voluntary admission of alcohol misuse or controlled substances use within the parameters of the program or policy and paragraph (a) of this section;

(2) It must allow the employee sufficient opportunity to seek evaluation, education or treatment to establish control over the employee's drug or alcohol problem;

(3) It must permit the employee to return to safety sensitive duties only upon successful completion of an educational or treatment program, as determined by a drug and alcohol abuse evaluation expert, i.e., employee assistance professional, substance abuse professional, or qualified drug and alcohol counselor;

(4) It must ensure that:

(i) Prior to the employee participating in a safety sensitive function, the employee shall undergo a return to duty test with a result indicating an alcohol concentration of less than 0.02; and/or

(ii) Prior to the employee participating in a safety sensitive function, the employee shall undergo a return to duty controlled substance test with a verified negative test result for controlled substances use; and

(5) It may incorporate employee monitoring and include non-DOT follow-up testing.

Subpart B—Prohibitions

§ 382.201 Alcohol concentration.

No driver shall report for duty or remain on duty requiring the performance of safety-sensitive functions while having an alcohol concentration of 0.04 or greater. No employer having actual knowledge that a driver has an alcohol concentration of 0.04 or greater shall permit the driver to perform or continue to perform safety-sensitive functions.

§ 382.205 On-duty use.

No driver shall use alcohol while performing safety-sensitive functions. No employer having actual knowledge

that a driver is using alcohol while performing safety-sensitive functions shall permit the driver to perform or continue to perform safety-sensitive functions.

§ 382.207 Pre-duty use.

No driver shall perform safety-sensitive functions within four hours after using alcohol. No employer having actual knowledge that a driver has used alcohol within four hours shall permit a driver to perform or continue to perform safety-sensitive functions.

§ 382.209 Use following an accident.

No driver required to take a post-accident alcohol test under §382.303 shall use alcohol for eight hours following the accident, or until he/she undergoes a post-accident alcohol test, whichever occurs first.

§ 382.211 Refusal to submit to a required alcohol or controlled substances test.

No driver shall refuse to submit to a post-accident alcohol or controlled substances test required under §382.303, a random alcohol or controlled substances test required under §382.305, a reasonable suspicion alcohol or controlled substances test required under §382.307, or a follow-up alcohol or controlled substances test required under §382.311. No employer shall permit a driver who refuses to submit to such tests to perform or continue to perform safety-sensitive functions.

§ 382.213 Controlled substances use.

(a) No driver shall report for duty or remain on duty requiring the performance of safety-sensitive functions when the driver uses any controlled substance, except when the use is pursuant to the instructions of a licensed medical practitioner, as defined in §382.107, who has advised the driver that the substance will not adversely affect the driver's ability to safely operate a commercial motor vehicle.

(b) No employer having actual knowledge that a driver has used a controlled substance shall permit the driver to perform or continue to perform a safety-sensitive function.

(c) An employer may require a driver to inform the employer of any therapeutic drug use.

§ 382.215 Controlled substances testing.

No driver shall report for duty, remain on duty or perform a safety-sensitive function, if the driver tests positive or has adulterated or substituted a test specimen for controlled substances. No employer having actual knowledge that a driver has tested positive or has adulterated or substituted a test specimen for controlled substances shall permit the driver to perform or continue to perform safety-sensitive functions.

Subpart C—Tests Required

§ 382.301 Pre-employment testing.

(a) Prior to the first time a driver performs safety-sensitive functions for an employer, the driver shall undergo testing for controlled substances as a condition prior to being used, unless the employer uses the exception in paragraph (b) of this section. No employer shall allow a driver, who the employer intends to hire or use, to perform safety-sensitive functions unless the employer has received a controlled substances test result from the MRO or C/TPA indicating a verified negative test result for that driver.

(b) An employer is not required to administer a controlled substances test required by paragraph (a) of this section if:

(1) The driver has participated in a controlled substances testing program that meets the requirements of this part within the previous 30 days; and

(2) While participating in that program, either:

(i) Was tested for controlled substances within the past 6 months (from the date of application with the employer), or

(ii) Participated in the random controlled substances testing program for the previous 12 months (from the date of application with the employer); and

(3) The employer ensures that no prior employer of the driver of whom the employer has knowledge has records of a violation of this part or the controlled substances use rule of

another DOT agency within the previous six months.

(c)(1) An employer who exercises the exception in paragraph (b) of this section shall contact the controlled substances testing program(s) in which the driver participates or participated and shall obtain and retain from the testing program(s) the following information:

(i) Name(s) and address(es) of the program(s).

(ii) Verification that the driver participates or participated in the program(s).

(iii) Verification that the program(s) conforms to part 40 of this title.

(iv) Verification that the driver is qualified under the rules of this part, including that the driver has not refused to be tested for controlled substances.

(v) The date the driver was last tested for controlled substances.

(vi) The results of any tests taken within the previous six months and any other violations of subpart B of this part.

(2) An employer who uses, but does not employ a driver more than once a year to operate commercial motor vehicles must obtain the information in paragraph (c)(1) of this section at least once every six months. The records prepared under this paragraph shall be maintained in accordance with § 382.401. If the employer cannot verify that the driver is participating in a controlled substances testing program in accordance with this part and part 40 of this title, the employer shall conduct a pre-employment controlled substances test.

(d) An employer may, but is not required to, conduct pre-employment alcohol testing under this part. If an employer chooses to conduct pre-employment alcohol testing, it must comply with the following requirements:

(1) It must conduct a pre-employment alcohol test before the first performance of safety-sensitive functions by every covered employee (whether a new employee or someone who has transferred to a position involving the performance of safety-sensitive functions).

(2) It must treat all safety-sensitive employees performing safety-sensitive

functions the same for the purpose of pre-employment alcohol testing (i.e., it must not test some covered employees and not others).

(3) It must conduct the pre-employment tests after making a contingent offer of employment or transfer, subject to the employee passing the pre-employment alcohol test.

(4) It must conduct all pre-employment alcohol tests using the alcohol testing procedures of 49 CFR part 40 of this title.

(5) It must not allow a covered employee to begin performing safety-sensitive functions unless the result of the employee's test indicates an alcohol concentration of less than 0.04.

§ 382.303 Post-accident testing.

(a) As soon as practicable following an occurrence involving a commercial motor vehicle operating on a public road in commerce, each employer shall test for alcohol for each of its surviving drivers:

(1) Who was performing safety-sensitive functions with respect to the vehicle, if the accident involved the loss of human life; or

(2) Who receives a citation within 8 hours of the occurrence under State or local law for a moving traffic violation arising from the accident, if the accident involved:

(i) Bodily injury to any person who, as a result of the injury, immediately

receives medical treatment away from the scene of the accident; or

(ii) One or more motor vehicles incurring disabling damage as a result of the accident, requiring the motor vehicle to be transported away from the scene by a tow truck or other motor vehicle.

(b) As soon as practicable following an occurrence involving a commercial motor vehicle operating on a public road in commerce, each employer shall test for controlled substances for each of its surviving drivers:

(1) Who was performing safety-sensitive functions with respect to the vehicle, if the accident involved the loss of human life; or

(2) Who receives a citation within thirty-two hours of the occurrence under State or local law for a moving traffic violation arising from the accident, if the accident involved:

(i) Bodily injury to any person who, as a result of the injury, immediately receives medical treatment away from the scene of the accident; or

(ii) One or more motor vehicles incurring disabling damage as a result of the accident, requiring the motor vehicle to be transported away from the scene by a tow truck or other motor vehicle.

(c) The following table notes when a post-accident test is required to be conducted by paragraphs (a)(1), (a)(2), (b)(1), and (b)(2) of this section:

TABLE FOR § 382.303(A) AND (B)

Type of accident involved	Citation issued to the CMV driver	Test must be performed by employer
i. Human fatality	YES	YES.
	NO	YES.
ii. Bodily injury with immediate medical treatment away from the scene.	YES	YES.
	NO	NO.
iii. Disabling damage to any motor vehicle requiring tow away.	YES	YES.
	NO	NO.

(d)(1) *Alcohol tests.* If a test required by this section is not administered within two hours following the accident, the employer shall prepare and maintain on file a record stating the reasons the test was not promptly ad-

ministered. If a test required by this section is not administered within eight hours following the accident, the employer shall cease attempts to administer an alcohol test and shall prepare and maintain the same record.

Records shall be submitted to the FMCSA upon request.

(2) *Controlled substance tests.* If a test required by this section is not administered within 32 hours following the accident, the employer shall cease attempts to administer a controlled substances test, and prepare and maintain on file a record stating the reasons the test was not promptly administered. Records shall be submitted to the FMCSA upon request.

(e) A driver who is subject to post-accident testing shall remain readily available for such testing or may be deemed by the employer to have refused to submit to testing. Nothing in this section shall be construed to require the delay of necessary medical attention for injured people following an accident or to prohibit a driver from leaving the scene of an accident for the period necessary to obtain assistance in responding to the accident, or to obtain necessary emergency medical care.

(f) An employer shall provide drivers with necessary post-accident information, procedures and instructions, prior to the driver operating a commercial motor vehicle, so that drivers will be able to comply with the requirements of this section.

(g)(1) The results of a breath or blood test for the use of alcohol, conducted by Federal, State, or local officials having independent authority for the test, shall be considered to meet the requirements of this section, provided such tests conform to the applicable Federal, State or local alcohol testing requirements, and that the results of the tests are obtained by the employer.

(2) The results of a urine test for the use of controlled substances, conducted by Federal, State, or local officials having independent authority for the test, shall be considered to meet the requirements of this section, provided such tests conform to the applicable Federal, State or local controlled substances testing requirements, and that the results of the tests are obtained by the employer.

(h) *Exception.* This section does not apply to:

(1) An occurrence involving only boarding or alighting from a stationary motor vehicle; or

(2) An occurrence involving only the loading or unloading of cargo; or

(3) An occurrence in the course of the operation of a passenger car or a multipurpose passenger vehicle (as defined in §571.3 of this title) by an employer unless the motor vehicle is transporting passengers for hire or hazardous materials of a type and quantity that require the motor vehicle to be marked or placarded in accordance with §177.823 of this title.

§ 382.305 Random testing.

(a) Every employer shall comply with the requirements of this section. Every driver shall submit to random alcohol and controlled substance testing as required in this section.

(b)(1) Except as provided in paragraphs (c) through (e) of this section, the minimum annual percentage rate for random alcohol testing shall be 10 percent of the average number of driver positions.

(2) Except as provided in paragraphs (f) through (h) of this section, the minimum annual percentage rate for random controlled substances testing shall be 50 percent of the average number of driver positions.

(c) The FMCSA Administrator's decision to increase or decrease the minimum annual percentage rate for alcohol testing is based on the reported violation rate for the entire industry. All information used for this determination is drawn from the alcohol management information system reports required by §382.403. In order to ensure reliability of the data, the FMCSA Administrator considers the quality and completeness of the reported data, may obtain additional information or reports from employers, and may make appropriate modifications in calculating the industry violation rate. In the event of a change in the annual percentage rate, the FMCSA Administrator will publish in the FEDERAL REGISTER the new minimum annual percentage rate for random alcohol testing of drivers. The new minimum annual percentage rate for random alcohol testing will be applicable starting January 1 of the calendar year following publication in the FEDERAL REGISTER.

(d)(1) When the minimum annual percentage rate for random alcohol testing is 25 percent or more, the FMCSA Administrator may lower this rate to 10 percent of all driver positions if the FMCSA Administrator determines that the data received under the reporting requirements of §382.403 for two consecutive calendar years indicate that the violation rate is less than 0.5 percent.

(2) When the minimum annual percentage rate for random alcohol testing is 50 percent, the FMCSA Administrator may lower this rate to 25 percent of all driver positions if the FMCSA Administrator determines that the data received under the reporting requirements of §382.403 for two consecutive calendar years indicate that the violation rate is less than 1.0 percent but equal to or greater than 0.5 percent.

(e)(1) When the minimum annual percentage rate for random alcohol testing is 10 percent, and the data received under the reporting requirements of §382.403 for that calendar year indicate that the violation rate is equal to or greater than 0.5 percent, but less than 1.0 percent, the FMCSA Administrator will increase the minimum annual percentage rate for random alcohol testing to 25 percent for all driver positions.

(2) When the minimum annual percentage rate for random alcohol testing is 25 percent or less, and the data received under the reporting requirements of §382.403 for that calendar year indicate that the violation rate is equal to or greater than 1.0 percent, the FMCSA Administrator will increase the minimum annual percentage rate for random alcohol testing to 50 percent for all driver positions.

(f) The FMCSA Administrator's decision to increase or decrease the minimum annual percentage rate for controlled substances testing is based on the reported positive rate for the entire industry. All information used for this determination is drawn from the controlled substances management information system reports required by §382.403. In order to ensure reliability of the data, the FMCSA Administrator considers the quality and completeness of the reported data, may obtain addi-

tional information or reports from employers, and may make appropriate modifications in calculating the industry positive rate. In the event of a change in the annual percentage rate, the FMCSA Administrator will publish in the FEDERAL REGISTER the new minimum annual percentage rate for controlled substances testing of drivers. The new minimum annual percentage rate for random controlled substances testing will be applicable starting January 1 of the calendar year following publication in the FEDERAL REGISTER.

(g) When the minimum annual percentage rate for random controlled substances testing is 50 percent, the FMCSA Administrator may lower this rate to 25 percent of all driver positions if the FMCSA Administrator determines that the data received under the reporting requirements of §382.403 for two consecutive calendar years indicate that the positive rate is less than 1.0 percent.

(h) When the minimum annual percentage rate for random controlled substances testing is 25 percent, and the data received under the reporting requirements of §382.403 for any calendar year indicate that the reported positive rate is equal to or greater than 1.0 percent, the FMCSA Administrator will increase the minimum annual percentage rate for random controlled substances testing to 50 percent of all driver positions.

(i)(1) The selection of drivers for random alcohol and controlled substances testing shall be made by a scientifically valid method, such as a random number table or a computer-based random number generator that is matched with drivers' Social Security numbers, payroll identification numbers, or other comparable identifying numbers.

(2) Each driver selected for random alcohol and controlled substances testing under the selection process used, shall have an equal chance of being tested each time selections are made.

(3) Each driver selected for testing shall be tested during the selection period.

(j)(1) To calculate the total number of covered drivers eligible for random testing throughout the year, as an employer, you must add the total number of covered drivers eligible for testing

during each random testing period for the year and divide that total by the number of random testing periods. Covered employees, and only covered employees, are to be in an employer's random testing pool, and all covered drivers must be in the random pool. If you are an employer conducting random testing more often than once per month (e.g., daily, weekly, bi-weekly) you do not need to compute this total number of covered drivers rate more than on a once per month basis.

(2) As an employer, you may use a service agent (e.g., a C/TPA) to perform random selections for you, and your covered drivers may be part of a larger random testing pool of covered employees. However, you must ensure that the service agent you use is testing at the appropriate percentage established for your industry and that only covered employees are in the random testing pool.

(k)(1) Each employer shall ensure that random alcohol and controlled substances tests conducted under this part are unannounced.

(2) Each employer shall ensure that the dates for administering random alcohol and controlled substances tests conducted under this part are spread reasonably throughout the calendar year.

(1) Each employer shall require that each driver who is notified of selection for random alcohol and/or controlled substances testing proceeds to the test site immediately; provided, however, that if the driver is performing a safety-sensitive function, other than driving a commercial motor vehicle, at the time of notification, the employer shall instead ensure that the driver ceases to perform the safety-sensitive function and proceeds to the testing site as soon as possible.

(m) A driver shall only be tested for alcohol while the driver is performing safety-sensitive functions, just before the driver is to perform safety-sensitive functions, or just after the driver has ceased performing such functions.

(n) If a given driver is subject to random alcohol or controlled substances testing under the random alcohol or controlled substances testing rules of more than one DOT agency for the same employer, the driver shall be sub-

ject to random alcohol and/or controlled substances testing at the annual percentage rate established for the calendar year by the DOT agency regulating more than 50 percent of the driver's function.

(o) If an employer is required to conduct random alcohol or controlled substances testing under the alcohol or controlled substances testing rules of more than one DOT agency, the employer may—

(1) Establish separate pools for random selection, with each pool containing the DOT-covered employees who are subject to testing at the same required minimum annual percentage rate; or

(2) Randomly select such employees for testing at the highest minimum annual percentage rate established for the calendar year by any DOT agency to which the employer is subject.

[66 FR 43103, Aug. 17, 2001, as amended at 67 FR 61821, Oct. 2, 2002; 68 FR 75459, Dec. 31, 2003]

§ 382.307 Reasonable suspicion testing.

(a) An employer shall require a driver to submit to an alcohol test when the employer has reasonable suspicion to believe that the driver has violated the prohibitions of subpart B of this part concerning alcohol. The employer's determination that reasonable suspicion exists to require the driver to undergo an alcohol test must be based on specific, contemporaneous, articulable observations concerning the appearance, behavior, speech or body odors of the driver.

(b) An employer shall require a driver to submit to a controlled substances test when the employer has reasonable suspicion to believe that the driver has violated the prohibitions of subpart B of this part concerning controlled substances. The employer's determination that reasonable suspicion exists to require the driver to undergo a controlled substances test must be based on specific, contemporaneous, articulable observations concerning the appearance, behavior, speech or body odors of the driver. The observations may include indications of the chronic and withdrawal effects of controlled substances.

(c) The required observations for alcohol and/or controlled substances reasonable suspicion testing shall be made by a supervisor or company official who is trained in accordance with §382.603. The person who makes the determination that reasonable suspicion exists to conduct an alcohol test shall not conduct the alcohol test of the driver.

(d) Alcohol testing is authorized by this section only if the observations required by paragraph (a) of this section are made during, just preceding, or just after the period of the work day that the driver is required to be in compliance with this part. A driver may be directed by the employer to only undergo reasonable suspicion testing while the driver is performing safety-sensitive functions, just before the driver is to perform safety-sensitive functions, or just after the driver has ceased performing such functions.

(e)(1) If an alcohol test required by this section is not administered within two hours following the determination under paragraph (a) of this section, the employer shall prepare and maintain on file a record stating the reasons the alcohol test was not promptly administered. If an alcohol test required by this section is not administered within eight hours following the determination under paragraph (a) of this section, the employer shall cease attempts to administer an alcohol test and shall state in the record the reasons for not administering the test.

(2) Notwithstanding the absence of a reasonable suspicion alcohol test under this section, no driver shall report for duty or remain on duty requiring the performance of safety-sensitive functions while the driver is under the influence of or impaired by alcohol, as shown by the behavioral, speech, and performance indicators of alcohol misuse, nor shall an employer permit the driver to perform or continue to perform safety-sensitive functions, until:

(i) An alcohol test is administered and the driver's alcohol concentration measures less than 0.02; or

(ii) Twenty four hours have elapsed following the determination under paragraph (a) of this section that there is reasonable suspicion to believe that the driver has violated the prohibitions

in this part concerning the use of alcohol.

(3) Except as provided in paragraph (e)(2) of this section, no employer shall take any action under this part against a driver based solely on the driver's behavior and appearance, with respect to alcohol use, in the absence of an alcohol test. This does not prohibit an employer with independent authority of this part from taking any action otherwise consistent with law.

(f) A written record shall be made of the observations leading to an alcohol or controlled substances reasonable suspicion test, and signed by the supervisor or company official who made the observations, within 24 hours of the observed behavior or before the results of the alcohol or controlled substances tests are released, whichever is earlier.

§ 382.309 Return-to-duty testing.

The requirements for return-to-duty testing must be performed in accordance with 49 CFR part 40, Subpart O.

§ 382.311 Follow-up testing.

The requirements for follow-up testing must be performed in accordance with 49 CFR part 40, Subpart O.

Subpart D—Handling of Test Results, Records Retention, and Confidentiality

§ 382.401 Retention of records.

(a) *General requirement.* Each employer shall maintain records of its alcohol misuse and controlled substances use prevention programs as provided in this section. The records shall be maintained in a secure location with controlled access.

(b) *Period of retention.* Each employer shall maintain the records in accordance with the following schedule:

(1) *Five years.* The following records shall be maintained for a minimum of five years:

(i) Records of driver alcohol test results indicating an alcohol concentration of 0.02 or greater,

(ii) Records of driver verified positive controlled substances test results,

(iii) Documentation of refusals to take required alcohol and/or controlled substances tests,

- (iv) Driver evaluation and referrals,
- (v) Calibration documentation,
- (vi) Records related to the administration of the alcohol and controlled substances testing programs, and
- (vii) A copy of each annual calendar year summary required by § 382.403.

(2) *Two years.* Records related to the alcohol and controlled substances collection process (except calibration of evidential breath testing devices).

(3) *One year.* Records of negative and canceled controlled substances test results (as defined in part 40 of this title) and alcohol test results with a concentration of less than 0.02 shall be maintained for a minimum of one year.

(4) *Indefinite period.* Records related to the education and training of breath alcohol technicians, screening test technicians, supervisors, and drivers shall be maintained by the employer while the individual performs the functions which require the training and for two years after ceasing to perform those functions.

(c) *Types of records.* The following specific types of records shall be maintained. “Documents generated” are documents that may have to be prepared under a requirement of this part. If the record is required to be prepared, it must be maintained.

(1) Records related to the collection process:

- (i) Collection logbooks, if used;
- (ii) Documents relating to the random selection process;
- (iii) Calibration documentation for evidential breath testing devices;
- (iv) Documentation of breath alcohol technician training;
- (v) Documents generated in connection with decisions to administer reasonable suspicion alcohol or controlled substances tests;
- (vi) Documents generated in connection with decisions on post-accident tests;
- (vii) Documents verifying existence of a medical explanation of the inability of a driver to provide adequate breath or to provide a urine specimen for testing; and
- (viii) A copy of each annual calendar year summary as required by § 382.403.

(2) Records related to a driver’s test results:

(i) The employer’s copy of the alcohol test form, including the results of the test;

(ii) The employer’s copy of the controlled substances test chain of custody and control form;

(iii) Documents sent by the MRO to the employer, including those required by part 40, subpart G, of this title;

(iv) Documents related to the refusal of any driver to submit to an alcohol or controlled substances test required by this part;

(v) Documents presented by a driver to dispute the result of an alcohol or controlled substances test administered under this part; and

(vi) Documents generated in connection with verifications of prior employers’ alcohol or controlled substances test results that the employer:

(A) Must obtain in connection with the exception contained in § 382.301, and

(B) Must obtain as required by § 382.413.

(3) Records related to other violations of this part.

(4) Records related to evaluations:

(i) Records pertaining to a determination by a substance abuse professional concerning a driver’s need for assistance; and

(ii) Records concerning a driver’s compliance with recommendations of the substance abuse professional.

(5) Records related to education and training:

(i) Materials on alcohol misuse and controlled substance use awareness, including a copy of the employer’s policy on alcohol misuse and controlled substance use;

(ii) Documentation of compliance with the requirements of § 382.601, including the driver’s signed receipt of education materials;

(iii) Documentation of training provided to supervisors for the purpose of qualifying the supervisors to make a determination concerning the need for alcohol and/or controlled substances testing based on reasonable suspicion;

(iv) Documentation of training for breath alcohol technicians as required by § 40.213(a) of this title; and

(v) Certification that any training conducted under this part complies with the requirements for such training.

(6) Administrative records related to alcohol and controlled substances testing;

(i) Agreements with collection site facilities, laboratories, breath alcohol technicians, screening test technicians, medical review officers, consortia, and third party service providers;

(ii) Names and positions of officials and their role in the employer's alcohol and controlled substances testing program(s);

(iii) Semi-annual laboratory statistical summaries of urinalysis required by §40.111(a) of this title; and

(iv) The employer's alcohol and controlled substances testing policy and procedures.

(d) *Location of records.* All records required by this part shall be maintained as required by §390.31 of this subchapter and shall be made available for inspection at the employer's principal place of business within two business days after a request has been made by an authorized representative of the Federal Motor Carrier Safety Administration.

(e) *OMB control number.* (1) The information collection requirements of this part have been reviewed by the Office of Management and Budget pursuant to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.) and have been assigned OMB control number 2126-0012.

(2) The information collection requirements of this part are found in the following sections: Sections 382.105, 382.113, 382.301, 382.303, 382.305, 382.307, 382.401, 382.403, 382.405, 382.409, 382.411, 382.601, 382.603.

[66 FR 43103, Aug. 17, 2001, as amended at 67 FR 61821, Oct. 2, 2002; 68 FR 75459, Dec. 31, 2003]

§ 382.403 Reporting of results in a management information system.

(a) An employer shall prepare and maintain a summary of the results of its alcohol and controlled substances testing programs performed under this part during the previous calendar year, when requested by the Secretary of Transportation, any DOT agency, or any State or local officials with regulatory authority over the employer or any of its drivers.

(b) If an employer is notified, during the month of January, of a request by the Federal Motor Carrier Safety Administration to report the employer's annual calendar year summary information, the employer shall prepare and submit the report to the FMCSA by March 15 of that year. The employer shall ensure that the annual summary report is accurate and received by March 15 at the location that the FMCSA specifies in its request. The employer must use the Management Information System (MIS) form and instructions as required by 49 CFR part 40 (at §40.26 and appendix H to part 40). The employer may also use the electronic version of the MIS form provided by the DOT. The Administrator may designate means (e.g., electronic program transmitted via the Internet), other than hard-copy, for MIS form submission. For information on the electronic version of the form, see: <http://www.fmcsa.dot.gov/safetyprogs/drugs/engtesting.htm>.

(c) When the report is submitted to the FMCSA by mail or electronic transmission, the information requested shall be typed, except for the signature of the certifying official. Each employer shall ensure the accuracy and timeliness of each report submitted by the employer or a consortium.

(d) If you have a covered employee who performs multi-DOT agency functions (e.g., an employee drives a commercial motor vehicle and performs pipeline maintenance duties for the same employer), count the employee only on the MIS report for the DOT agency under which he or she is randomly tested. Normally, this will be the DOT agency under which the employee performs more than 50% of his or her duties. Employers may have to explain the testing data for these employees in the event of a DOT agency inspection or audit.

(e) A service agent (e.g., *Consortia/Third party administrator* as defined in 49 CFR 382.107) may prepare the MIS report on behalf of an employer. However, a company official (e.g., *Designated employer representative*) must certify the accuracy and completeness

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of the MIS report, no matter who prepares it.

[66 FR 43103, Aug. 17, 2001, as amended at 68 FR 75459, Dec. 31, 2003]

§ 382.405 Access to facilities and records.

(a) Except as required by law or expressly authorized or required in this section, no employer shall release driver information that is contained in records required to be maintained under § 382.401.

(b) A driver is entitled, upon written request, to obtain copies of any records pertaining to the driver's use of alcohol or controlled substances, including any records pertaining to his or her alcohol or controlled substances tests. The employer shall promptly provide the records requested by the driver. Access to a driver's records shall not be contingent upon payment for records other than those specifically requested.

(c) Each employer shall permit access to all facilities utilized in complying with the requirements of this part to the Secretary of Transportation, any DOT agency, or any State or local officials with regulatory authority over the employer or any of its drivers.

(d) Each employer shall make available copies of all results for employer alcohol and/or controlled substances testing conducted under this part and any other information pertaining to the employer's alcohol misuse and/or controlled substances use prevention program, when requested by the Secretary of Transportation, any DOT agency, or any State or local officials with regulatory authority over the employer or any of its drivers.

(e) When requested by the National Transportation Safety Board as part of an accident investigation, employers shall disclose information related to the employer's administration of a post-accident alcohol and/or controlled substance test administered following the accident under investigation.

(f) Records shall be made available to a subsequent employer upon receipt of a written request from a driver. Disclosure by the subsequent employer is permitted only as expressly authorized by the terms of the driver's request.

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(g) An employer may disclose information required to be maintained under this part pertaining to a driver to the decision maker in a lawsuit, grievance, or administrative proceeding initiated by or on behalf of the individual, and arising from a positive DOT drug or alcohol test or a refusal to test (including, but not limited to, adulterated or substituted test results) of this part (including, but not limited to, a worker's compensation, unemployment compensation, or other proceeding relating to a benefit sought by the driver). Additionally, an employer may disclose information in criminal or civil actions in accordance with § 40.323(a)(2) of this title.

(h) An employer shall release information regarding a driver's records as directed by the specific written consent of the driver authorizing release of the information to an identified person. Release of such information by the person receiving the information is permitted only in accordance with the terms of the employee's specific written consent as outlined in § 40.321(b) of this title.

§ 382.407 Medical review officer notifications to the employer.

Medical review officers shall report the results of controlled substances tests to employers in accordance with the requirements of part 40, Subpart G, of this title.

§ 382.409 Medical review officer record retention for controlled substances.

(a) A medical review officer or third party administrator shall maintain all dated records and notifications, identified by individual, for a minimum of five years for verified positive controlled substances test results.

(b) A medical review officer or third party administrator shall maintain all dated records and notifications, identified by individual, for a minimum of one year for negative and canceled controlled substances test results.

(c) No person may obtain the individual controlled substances test results retained by a medical review officer or third party administrator, and no medical review officer or third party administrator shall release the individual controlled substances test

results of any driver to any person, without first obtaining a specific, written authorization from the tested driver. Nothing in this paragraph (c) shall prohibit a medical review officer or third party administrator from releasing, to the employer or to officials of the Secretary of Transportation, any DOT agency, or any State or local officials with regulatory authority over the controlled substances testing program under this part, the information delineated in part 40, Subpart G, of this title.

§ 382.411 Employer notifications.

(a) An employer shall notify a driver of the results of a pre-employment controlled substances test conducted under this part, if the driver requests such results within 60 calendar days of being notified of the disposition of the employment application. An employer shall notify a driver of the results of random, reasonable suspicion and post-accident tests for controlled substances conducted under this part if the test results are verified positive. The employer shall also inform the driver which controlled substance or substances were verified as positive.

(b) The designated employer representative shall make reasonable efforts to contact and request each driver who submitted a specimen under the employer's program, regardless of the driver's employment status, to contact and discuss the results of the controlled substances test with a medical review officer who has been unable to contact the driver.

(c) The designated employer representative shall immediately notify the medical review officer that the driver has been notified to contact the medical review officer within 72 hours.

§ 382.413 Inquiries for alcohol and controlled substances information from previous employers.

Employers shall request alcohol and controlled substances information from previous employers in accordance with the requirements of § 40.25 of this title.

Subpart E—Consequences for Drivers Engaging in Substance Use-Related Conduct

§ 382.501 Removal from safety-sensitive function.

(a) Except as provided in subpart F of this part, no driver shall perform safety-sensitive functions, including driving a commercial motor vehicle, if the driver has engaged in conduct prohibited by subpart B of this part or an alcohol or controlled substances rule of another DOT agency.

(b) No employer shall permit any driver to perform safety-sensitive functions; including driving a commercial motor vehicle, if the employer has determined that the driver has violated this section.

(c) For purposes of this subpart, commercial motor vehicle means a commercial motor vehicle in commerce as defined in § 382.107, and a commercial motor vehicle in interstate commerce as defined in part 390 of this subchapter.

§ 382.503 Required evaluation and testing.

No driver who has engaged in conduct prohibited by subpart B of this part shall perform safety-sensitive functions, including driving a commercial motor vehicle, unless the driver has met the requirements of part 40, subpart O, of this title. No employer shall permit a driver who has engaged in conduct prohibited by subpart B of this part to perform safety-sensitive functions, including driving a commercial motor vehicle, unless the driver has met the requirements of part 40, subpart O, of this title.

§ 382.505 Other alcohol-related conduct.

(a) No driver tested under the provisions of subpart C of this part who is found to have an alcohol concentration of 0.02 or greater but less than 0.04 shall perform or continue to perform safety-sensitive functions for an employer, including driving a commercial motor vehicle, nor shall an employer permit the driver to perform or continue to perform safety-sensitive functions, until the start of the driver's next regularly scheduled duty period,

but not less than 24 hours following administration of the test.

(b) Except as provided in paragraph (a) of this section, no employer shall take any action under this part against a driver based solely on test results showing an alcohol concentration less than 0.04. This does not prohibit an employer with authority independent of this part from taking any action otherwise consistent with law.

§ 382.507 Penalties.

Any employer or driver who violates the requirements of this part shall be subject to the civil and/or criminal penalty provisions of 49 U.S.C. 521(b). In addition, any employer or driver who violates the requirements of 49 CFR part 40 shall be subject to the civil and/or criminal penalty provisions of 49 U.S.C. 521(b).

Subpart F—Alcohol Misuse and Controlled Substances Use Information, Training, and Referral

§ 382.601 Employer obligation to promulgate a policy on the misuse of alcohol and use of controlled substances.

(a) *General requirements.* Each employer shall provide educational materials that explain the requirements of this part and the employer's policies and procedures with respect to meeting these requirements.

(1) The employer shall ensure that a copy of these materials is distributed to each driver prior to the start of alcohol and controlled substances testing under this part and to each driver subsequently hired or transferred into a position requiring driving a commercial motor vehicle.

(2) Each employer shall provide written notice to representatives of employee organizations of the availability of this information.

(b) *Required content.* The materials to be made available to drivers shall include detailed discussion of at least the following:

(1) The identity of the person designated by the employer to answer driver questions about the materials;

(2) The categories of drivers who are subject to the provisions of this part;

(3) Sufficient information about the safety-sensitive functions performed by those drivers to make clear what period of the work day the driver is required to be in compliance with this part;

(4) Specific information concerning driver conduct that is prohibited by this part;

(5) The circumstances under which a driver will be tested for alcohol and/or controlled substances under this part, including post-accident testing under § 382.303(d);

(6) The procedures that will be used to test for the presence of alcohol and controlled substances, protect the driver and the integrity of the testing processes, safeguard the validity of the test results, and ensure that those results are attributed to the correct driver, including post-accident information, procedures and instructions required by § 382.303(d);

(7) The requirement that a driver submit to alcohol and controlled substances tests administered in accordance with this part;

(8) An explanation of what constitutes a refusal to submit to an alcohol or controlled substances test and the attendant consequences;

(9) The consequences for drivers found to have violated subpart B of this part, including the requirement that the driver be removed immediately from safety-sensitive functions, and the procedures under part 40, subpart O, of this title;

(10) The consequences for drivers found to have an alcohol concentration of 0.02 or greater but less than 0.04;

(11) Information concerning the effects of alcohol and controlled substances use on an individual's health, work, and personal life; signs and symptoms of an alcohol or a controlled substances problem (the driver's or a co-worker's); and available methods of intervening when an alcohol or a controlled substances problem is suspected, including confrontation, referral to any employee assistance program and or referral to management.

(c) *Optional provision.* The materials supplied to drivers may also include information on additional employer policies with respect to the use of alcohol or controlled substances, including any

consequences for a driver found to have a specified alcohol or controlled substances level, that are based on the employer's authority independent of this part. Any such additional policies or consequences must be clearly and obviously described as being based on independent authority.

(d) *Certificate of receipt.* Each employer shall ensure that each driver is required to sign a statement certifying that he or she has received a copy of these materials described in this section. Each employer shall maintain the original of the signed certificate and may provide a copy of the certificate to the driver.

§ 382.603 Training for supervisors.

Each employer shall ensure that all persons designated to supervise drivers receive at least 60 minutes of training on alcohol misuse and receive at least an additional 60 minutes of training on controlled substances use. The training will be used by the supervisors to determine whether reasonable suspicion exists to require a driver to undergo testing under §382.307. The training shall include the physical, behavioral, speech, and performance indicators of probable alcohol misuse and use of controlled substances. Recurrent training for supervisory personnel is not required.

§ 382.605 Referral, evaluation, and treatment.

The requirements for referral, evaluation, and treatment must be performed in accordance with 49 CFR part 40, Subpart O.

PART 383—COMMERCIAL DRIVER'S LICENSE STANDARDS; REQUIREMENTS AND PENALTIES

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AUTHORITY: 49 U.S.C. 521, 31136, 31301 *et seq.*, 31502; sec. 214 of Pub. L. 106-159, 113 Stat. 1766, 1767; sec. 1012(b) of Pub. L. 107-56, 115 Stat. 397; sec. 4140 of Pub. L. 10-59, 119 Stat. 1144; and 49 CFR 1.73.

SOURCE: 52 FR 20587, June 1, 1987, unless otherwise noted.

EDITORIAL NOTE: Nomenclature changes to part 383 appear at 66 FR 49872, Oct. 1, 2001.

Subpart A—General

§ 383.1 Purpose and scope.

(a) The purpose of this part is to help reduce or prevent truck and bus accidents, fatalities, and injuries by requiring drivers to have a single commercial motor vehicle driver's license and by disqualifying drivers who operate commercial motor vehicles in an unsafe manner.

(b) This part:

(1) Prohibits a commercial motor vehicle driver from having more than one commercial motor vehicle driver's license;

(2) Requires a driver to notify the driver's current employer and the driver's State of domicile of certain convictions;

(3) Requires that a driver provide previous employment information when applying for employment as an operator of a commercial motor vehicle;

(4) Prohibits an employer from allowing a person with a suspended license to operate a commercial motor vehicle;

(5) Establishes periods of disqualification and penalties for those persons convicted of certain criminal and other offenses and serious traffic violations, or subject to any suspensions, revocations, or cancellations of certain driving privileges;

(6) Establishes testing and licensing requirements for commercial motor vehicle operators;

(7) Requires States to give knowledge and skills tests to all qualified applicants for commercial drivers' licenses which meet the Federal standard;

(8) Sets forth commercial motor vehicle groups and endorsements;

(9) Sets forth the knowledge and skills test requirements for the motor vehicle groups and endorsements;

(10) Sets forth the Federal standards for procedures, methods, and minimum passing scores for States and others to use in testing and licensing commercial motor vehicle operators; and

(11) Establishes requirements for the State issued commercial license documentation.

[52 FR 20587, June 1, 1987, as amended at 53 FR 27648, July 21, 1988; 54 FR 40787, Oct. 3, 1989]

§ 383.3 Applicability.

(a) The rules in this part apply to every person who operates a commercial motor vehicle (CMV) in interstate, foreign, or intrastate commerce, to all employers of such persons, and to all States.

(b) The exceptions contained in §390.3(f) of this subchapter do not apply to this part. The employers and drivers identified in §390.3(f) must comply with the requirements of this part, unless otherwise provided in this section.

(c) *Exception for certain military drivers.* Each State must exempt from the requirements of this part individuals who operate CMVs for military purposes. This exception is applicable to active duty military personnel; members of the military reserves; member of the national guard on active duty, including personnel on full-time national guard duty, personnel on part-time national guard training, and national guard military technicians (civilians who are required to wear military uniforms); and active duty U.S. Coast Guard personnel. This exception is not applicable to U.S. Reserve technicians.

(d) *Exception for farmers, firefighters, emergency response vehicle drivers, and drivers removing snow and ice.* A State may, at its discretion, exempt individuals identified in paragraphs (d)(1), (d)(2), and (d)(3) of this section from the requirements of this part. The use of this waiver is limited to the driver's home State unless there is a reciprocity agreement with adjoining States.

(1) Operators of a farm vehicle which is:

(i) Controlled and operated by a farmer, including operation by employees or family members;

(ii) Used to transport either agricultural products, farm machinery, farm supplies, or both to or from a farm;

(iii) Not used in the operations of a common or contract motor carrier; and

(iv) Used within 241 kilometers (150 miles) of the farmer's farm.

(2) Firefighters and other persons who operate CMVs which are necessary to the preservation of life or property or the execution of emergency governmental functions, are equipped with audible and visual signals and are not subject to normal traffic regulation. These vehicles include fire trucks, hook and ladder trucks, foam or water transport trucks, police SWAT team vehicles, ambulances, or other vehicles that are used in response to emergencies.

(3)(i) A driver, employed by an eligible unit of local government, operating a commercial motor vehicle within the boundaries of that unit for the purpose of removing snow or ice from a roadway by plowing, sanding, or salting, if

(A) The properly licensed employee who ordinarily operates a commercial motor vehicle for these purposes is unable to operate the vehicle; or

(B) The employing governmental entity determines that a snow or ice emergency exists that requires additional assistance.

(ii) This exemption shall not preempt State laws and regulations concerning the safe operation of commercial motor vehicles.

(e) *Restricted commercial drivers license (CDL) for certain drivers in the State of Alaska.* (1) The State of Alaska may, at its discretion, waive only the following requirements of this part and issue a CDL to each driver that meets the conditions set forth in paragraphs (e) (2) and (3) of this section:

(i) The knowledge tests standards for testing procedures and methods of subpart H, but must continue to administer knowledge tests that fulfill the content requirements of subpart G for all applicants;

(ii) All the skills test requirements; and

(iii) The requirement under §383.153(a)(4) to have a photograph on the license document.

(2) Drivers of CMVs in the State of Alaska must operate exclusively over

roads that meet *both* of the following criteria to be eligible for the exception in paragraph (e)(1) of this section:

(i) Such roads are not connected by land highway or vehicular way to the land-connected State highway system; and

(ii) Such roads are not connected to any highway or vehicular way with an average daily traffic volume greater than 499.

(3) Any CDL issued under the terms of this paragraph must carry two restrictions:

(i) Holders may not operate CMVs over roads other than those specified in paragraph (e)(2) of this section; and

(ii) The license is not valid for CMV operation outside the State of Alaska.

(f) *Restricted CDL for certain drivers in farm-related service industries.* (1) A State may, at its discretion, waive the required knowledge and skills tests of subpart H of this part and issue restricted CDLs to employees of these designated farm-related service industries:

(i) Agri-chemical businesses;

(ii) Custom harvesters;

(iii) Farm retail outlets and suppliers;

(iv) Livestock feeders.

(2) A restricted CDL issued pursuant to this paragraph shall meet all the requirements of this part, except subpart H of this part. A restricted CDL issued pursuant to this paragraph shall be accorded the same reciprocity as a CDL meeting all of the requirements of this part. The restrictions imposed upon the issuance of this restricted CDL shall not limit a person's use of the CDL in a non-CMV during either validated or non-validated periods, nor shall the CDL affect a State's power to administer its driver licensing program for operators of vehicles other than CMVs.

(3) A State issuing a CDL under the terms of this paragraph must restrict issuance as follows:

(i) Applicants must have a good driving record as defined in this paragraph. Drivers who have not held any motor vehicle operator's license for at least one year shall not be eligible for this CDL. Drivers who have between one and two years of driving experience must demonstrate a good driving

record for their entire driving history. Drivers with more than two years of driving experience must have a good driving record for the two most recent years. For the purposes of this paragraph, the term *good driving record* means that an applicant:

(A) Has not had more than one license (except in the instances specified in § 383.21);

(B) Has not had *any* license suspended, revoked, or canceled;

(C) Has not had *any* conviction for any type of motor vehicle for the disqualifying offenses contained in § 383.51(b);

(D) Has not had *any* conviction for any type of motor vehicle for serious traffic violations; and

(E) Has not had *any* conviction for a violation of State or local law relating to motor vehicle traffic control (other than a parking violation) arising in connection with any traffic accident, and has no record of an accident in which he/she was at fault.

(ii) Restricted CDLs shall have the same renewal cycle as unrestricted CDLs, but shall be limited to the seasonal period or periods as defined by the State of licensure, provided that the total number of calendar days in any 12-month period for which the restricted CDL is valid does not exceed 180. If a State elects to provide for more than one seasonal period, the restricted CDL is valid for commercial motor vehicle operation only during the currently approved season, and must be revalidated for each successive season. Only one seasonal period of validity may appear on the license document at a time. The good driving record must be confirmed prior to any renewal or revalidation.

(iii) Restricted CDL holders are limited to operating Group B and C vehicles, as described in subpart F of this part.

(iv) Restricted CDLs shall not be issued with *any* endorsements on the license document. Only the limited tank vehicle and hazardous materials endorsement privileges that the restricted CDL automatically confers and are described in paragraph (f)(3)(v) of this section are permitted.

(v) Restricted CDL holders may not drive vehicles carrying any placardable

quantities of hazardous materials, except for diesel fuel in quantities of 3,785 liters (1,000 gallons) or less; liquid fertilizers (i.e., plant nutrients) in vehicles or implements of husbandry in total quantities of 11,355 liters (3,000 gallons) or less; and solid fertilizers (i.e., solid plant nutrients) that are not transported with any organic substance.

(vi) Restricted CDL holders may not hold an unrestricted CDL at the same time.

(vii) Restricted CDL holders may not operate a commercial motor vehicle beyond 241 kilometers (150 miles) from the place of business or the farm currently being served.

(g) *Restricted CDL for certain drivers in the pyrotechnic industry.* (1) A State may, at its discretion, waive the required hazardous materials knowledge tests of subpart H of this part and issue restricted CDLs to part-time drivers operating commercial motor vehicles transporting less than 227 kilograms (500 pounds) of fireworks classified as DOT Class 1.3G explosives.

(2) A State issuing a CDL under the terms of this paragraph must restrict issuance as follows:

(i) The GVWR of the vehicle to be operated must be less than 4,537 kilograms (10,001 pounds);

(ii) If a State believes, at its discretion, that the training required by § 172.704 of this title adequately prepares part-time drivers meeting the other requirements of this paragraph to deal with fireworks and the other potential dangers posed by fireworks transportation and use, the State may waive the hazardous materials knowledge tests of subpart H of this part. The State may impose any requirements it believes is necessary to ensure itself that a driver is properly trained pursuant to § 172.704 of this title.

(iii) A restricted CDL document issued pursuant to this paragraph shall have a statement clearly imprinted on the face of the document that is substantially similar as follows: "For use as a CDL only during the period from June 30 through July 6 for purposes of transporting less than 227 kilograms (500 pounds) of fireworks classified as DOT Class 1.3G explosives in a vehicle

with a GVWR of less than 4,537 kilograms (10,001 pounds).

(3) A restricted CDL issued pursuant to this paragraph shall meet all the requirements of this part, except those specifically identified. A restricted CDL issued pursuant to this paragraph shall be accorded the same reciprocity as a CDL meeting all of the requirements of this part. The restrictions imposed upon the issuance of this restricted CDL shall not limit a person's use of the CDL in a non-CMV during either validated or non-validated periods, nor shall the CDL affect a State's power to administer its driver licensing program for operators of vehicles other than CMVs.

(4) Restricted CDLs shall have the same renewal cycle as unrestricted CDLs, but shall be limited to the seasonal period of June 30 through July 6 of each year or a lesser period as defined by the State of licensure.

(5) Persons who operate commercial motor vehicles during the period from July 7 through June 29 for purposes of transporting less than 227 kilograms (500 pounds) of fireworks classified as DOT Class 1.3G explosives in a vehicle with a GVWR of less than 4,537 kilograms (10,001 pounds) and who also operate such vehicles for the same purposes during the period June 30 through July 6 shall not be issued a restricted CDL pursuant to this paragraph.

[61 FR 9564, Mar. 8, 1996, as amended at 61 FR 14679, Apr. 3, 1996; 62 FR 1296, Jan. 9, 1997; 67 FR 49755, July 31, 2002; 67 FR 61821, Oct. 2, 2002]

§ 383.5 Definitions.

As used in this part:

Administrator means the Federal Motor Carrier Safety Administrator, the chief executive of the Federal Motor Carrier Safety Administration, an agency within the Department of Transportation.

Alcohol or alcoholic beverage means: (a) Beer as defined in 26 U.S.C. 5052(a), of the Internal Revenue Code of 1954, (b) wine of not less than one-half of one per centum of alcohol by volume, or (c) distilled spirits as defined in section 5002(a)(8), of such Code.

Alcohol concentration (AC) means the concentration of alcohol in a person's

blood or breath. When expressed as a percentage it means grams of alcohol per 100 milliliters of blood or grams of alcohol per 210 liters of breath.

Alien means any person not a citizen or national of the United States.

Commerce means (a) any trade, traffic or transportation within the jurisdiction of the United States between a place in a State and a place outside of such State, including a place outside of the United States and (b) trade, traffic, and transportation in the United States which affects any trade, traffic, and transportation described in paragraph (a) of this definition.

Commercial driver's license (CDL) means a license issued by a State or other jurisdiction, in accordance with the standards contained in 49 CFR part 383, to an individual which authorizes the individual to operate a class of a commercial motor vehicle.

Commercial driver's license information system (CDLIS) means the CDLIS established by FMCSA pursuant to section 12007 of the Commercial Motor Vehicle Safety Act of 1986.

Commercial motor vehicle (CMV) means a motor vehicle or combination of motor vehicles used in commerce to transport passengers or property if the motor vehicle—

(a) Has a gross combination weight rating of 11,794 kilograms or more (26,001 pounds or more) inclusive of a towed unit(s) with a gross vehicle weight rating of more than 4,536 kilograms (10,000 pounds); or

(b) Has a gross vehicle weight rating of 11,794 or more kilograms (26,001 pounds or more); or

(c) Is designed to transport 16 or more passengers, including the driver; or

(d) Is of any size and is used in the transportation of *hazardous materials* as defined in this section.

Controlled substance has the meaning such term has under 21 U.S.C. 802(6) and includes all substances listed on schedules I through V of 21 CFR 1308 (§§ 1308.11 through 1308.15), as they may be amended by the United States Department of Justice.

Conviction means an unvacated adjudication of guilt, or a determination that a person has violated or failed to

comply with the law in a court of original jurisdiction or by an authorized administrative tribunal, an unvacated forfeiture of bail or collateral deposited to secure the person's appearance in court, a plea of guilty or nolo contendere accepted by the court, the payment of a fine or court cost, or violation of a condition of release without bail, regardless of whether or not the penalty is rebated, suspended, or probated."

Disqualification means any of the following three actions:

(a) The suspension, revocation, or cancellation of a CDL by the State or jurisdiction of issuance.

(b) Any withdrawal of a person's privileges to drive a CMV by a State or other jurisdiction as the result of a violation of State or local law relating to motor vehicle traffic control (other than parking, vehicle weight or vehicle defect violations).

(c) A determination by the FMCSA that a person is not qualified to operate a commercial motor vehicle under part 391 of this chapter.

Driver applicant means an individual who applies to a State to obtain, transfer, upgrade, or renew a CDL.

Driver's license means a license issued by a State or other jurisdiction, to an individual which authorizes the individual to operate a motor vehicle on the highways.

Driving a commercial motor vehicle while under the influence of alcohol means committing any one or more of the following acts in a CMV—

(a) Driving a CMV while the person's alcohol concentration is 0.04 or more;

(b) Driving under the influence of alcohol, as prescribed by State law; or

(c) Refusal to undergo such testing as is required by any State or jurisdiction in the enforcement of §383.51(b) or §392.5(a)(2) of this subchapter.

Eligible unit of local government means a city, town, borough, county, parish, district, or other public body created by or pursuant to State law which has a total population of 3,000 individuals or less.

Employee means any operator of a commercial motor vehicle, including full time, regularly employed drivers; casual, intermittent or occasional drivers; leased drivers and independent,

owner-operator contractors (while in the course of operating a commercial motor vehicle) who are either directly employed by or under lease to an employer.

Employer means any person (including the United States, a State, District of Columbia or a political subdivision of a State) who owns or leases a commercial motor vehicle or assigns employees to operate such a vehicle.

Endorsement means an authorization to an individual's CDL required to permit the individual to operate certain types of commercial motor vehicles.

Fatality means the death of a person as a result of a motor vehicle accident.

Felony means an offense under State or Federal law that is punishable by death or imprisonment for a term exceeding 1 year.

Foreign means outside the fifty United States and the District of Columbia.

Gross combination weight rating (GCWR) means the value specified by the manufacturer as the loaded weight of a combination (articulated) vehicle. In the absence of a value specified by the manufacturer, GCWR will be determined by adding the GVWR of the power unit and the total weight of the towed unit and any load thereon.

Gross vehicle weight rating (GVWR) means the value specified by the manufacturer as the loaded weight of a single vehicle.

Hazardous materials means any material that has been designated as hazardous under 49 U.S.C. 5103 and is required to be placarded under subpart F of 49 CFR part 172 or any quantity of a material listed as a select agent or toxin in 42 CFR part 73.

Imminent hazard means the existence of a condition that presents a substantial likelihood that death, serious illness, severe personal injury, or a substantial endangerment to health, property, or the environment may occur before the reasonably foreseeable completion date of a formal proceeding begun to lessen the risk of that death, illness, injury or endangerment.

Motor vehicle means a vehicle, machine, tractor, trailer, or semitrailer propelled or drawn by mechanical power used on highways, except that such term does not include a vehicle,

machine, tractor, trailer, semitrailer operated exclusively on a rail.

Nonresident CDL means a CDL issued by a State under either of the following two conditions:

(a) To an individual domiciled in a foreign country meeting the requirements of § 383.23(b)(1).

(b) To an individual domiciled in another State meeting the requirements of § 383.23(b)(2).

Non-CMV means a motor vehicle or combination of motor vehicles not defined by the term "commercial motor vehicle (CMV)" in this section.

Out-of-service order means a declaration by an authorized enforcement officer of a Federal, State, Canadian, Mexican, or local jurisdiction that a driver, a commercial motor vehicle, or a motor carrier operation, is out-of-service pursuant to §§ 386.72, 392.5, 395.13, 396.9, or compatible laws, or the North American Uniform Out-of-Service Criteria.

Representative vehicle means a motor vehicle which represents the type of motor vehicle that a driver applicant operates or expects to operate.

School bus means a CMV used to transport pre-primary, primary, or secondary school students from home to school, from school to home, or to and from school-sponsored events. School bus does not include a bus used as a common carrier.

Serious traffic violation means conviction of any of the following offenses when operating a CMV, except weight, defect and parking violations:

(a) Excessive speeding, involving any single offense for any speed of 15 miles per hour or more above the posted speed limit;

(b) Reckless driving, as defined by State or local law or regulation, including but not limited to offenses of driving a CMV in willful or wanton disregard for the safety of persons or property;

(c) Improper or erratic traffic lane changes;

(d) Following the vehicle ahead too closely;

(e) A violation, arising in connection with a fatal accident, of State or local law relating to motor vehicle traffic control;

(f) Driving a CMV without obtaining a CDL;

(g) Driving a CMV without a CDL in the driver's possession. Any individual who provides proof to the enforcement authority that issued the citation, by the date the individual must appear in court or pay any fine for such a violation, that the individual held a valid CDL on the date the citation was issued, shall not be guilty of this offense; or

(h) Driving a CMV without the proper class of CDL and/or endorsements for the specific vehicle group being operated or for the passengers or type of cargo being transported.

State means a State of the United States and the District of Columbia.

State of domicile means that State where a person has his/her true, fixed, and permanent home and principal residence and to which he/she has the intention of returning whenever he/she is absent.

Tank vehicle means any commercial motor vehicle that is designed to transport any liquid or gaseous materials within a tank that is either permanently or temporarily attached to the vehicle or the chassis. Such vehicles include, but are not limited to, cargo tanks and portable tanks, as defined in part 171 of this title. However, this definition does not include portable tanks having a rated capacity under 1,000 gallons.

United States the term United States means the 50 States and the District of Columbia.

Vehicle means a motor vehicle unless otherwise specified.

Vehicle group means a class or type of vehicle with certain operating characteristics.

[52 FR 20587, June 1, 1987, as amended at 53 FR 27648, July 21, 1988; 53 FR 39050, Oct. 4, 1988; 54 FR 40787, Oct. 3, 1989; 59 FR 26028, May 18, 1994; 61 FR 9566, Mar. 8, 1996; 61 FR 14679, Apr. 3, 1996; 62 FR 37151, July 11, 1997; 67 FR 49756, July 31, 2002; 68 FR 23849, May 5, 2003]

§ 383.7 Validity of CDL issued by de-certified State.

A CDL issued by a State prior to the date the State is notified by the Administrator, in accordance with the

provisions of § 384.405 of this subchapter, that the State is prohibited from issuing CDLs, will remain valid until its stated expiration date.

[67 FR 49756, July 31, 2002]

Subpart B—Single License Requirement

§ 383.21 Number of drivers' licenses.

No person who operates a commercial motor vehicle shall at any time have more than one driver's license.

[64 FR 48110, Sept. 2, 1999]

§ 383.23 Commercial driver's license.

(a) *General rule.* (1) Effective April 1, 1992, no person shall operate a commercial motor vehicle unless such person has taken and passed written and driving tests which meet the Federal standards contained in subparts F, G, and H of this part for the commercial motor vehicle that person operates or expects to operate.

(2) Except as provided in paragraph (b) of this section, no person may legally operate a CMV unless such person possesses a CDL which meets the standards contained in subpart J of this part, issued by his/her State or jurisdiction of domicile.

(b) *Exception.* (1) If a CMV operator is not domiciled in a foreign jurisdiction which the Administrator has determined tests drivers and issues CDLs in accordance with, or under standards similar to, the standards contained in subparts F, G, and H of this part, the person may obtain a Nonresident CDL from a State which does comply with the testing and licensing standards contained in such subparts F, G, and H of this part.¹

¹Effective December 29, 1988, the Administrator determined that commercial drivers' licenses issued by Canadian Provinces and Territories in conformity with the Canadian National Safety Code are in accordance with the standards of this part. Effective November 21, 1991, the Administrator determined that the new Licencias Federales de Conductor issued by the United Mexican States are in accordance with the standards of this part. Therefore, under the single license provision of § 383.21, a driver holding a commercial driver's license issued under the Canadian National Safety Code or a new Licencia

(2) If an individual is domiciled in a State while that State is prohibited from issuing CDLs in accordance with § 384.405 of this subchapter, that individual is eligible to obtain a Nonresident CDL from any State that elects to issue a Nonresident CDL and which complies with the testing and licensing standards contained in subparts F, G, and H of this part.

(c) *Learner's permit.* State learners' permits, issued for limited time periods according to State requirements, shall be considered valid commercial drivers' licenses for purposes of behind-the-wheel training on public roads or highways, if the following minimum conditions are met:

(1) The learner's permit holder is at all times accompanied by the holder of a valid CDL;

(2) He/she either holds a valid automobile driver's license, or has passed such vision, sign/symbol, and knowledge tests as the State issuing the learner's permit ordinarily administers to applicants for automotive drivers' licenses; and

(3) He/she does not operate a commercial motor vehicle transporting hazardous materials as defined in § 383.5.

[53 FR 27649, July 21, 1988, as amended at 54 FR 22285, May 23, 1989; 57 FR 31457, July 16, 1992; 67 FR 49756, July 31, 2002; 68 FR 23849, May 5, 2003]

Subpart C—Notification Requirements and Employer Responsibilities

§ 383.31 Notification of convictions for driver violations.

(a) Each person who operates a commercial motor vehicle, who has a commercial driver's license issued by a State or jurisdiction, and who is convicted of violating, in any type of motor vehicle, a State or local law relating to motor vehicle traffic control (other than a parking violation) in a State or jurisdiction other than the one which issued his/her license, shall notify an official designated by the

Federal de Conductor issued by Mexico is prohibited from obtaining nonresident CDL, or any other type of driver's license, from a State or other jurisdiction in the United States.

State or jurisdiction which issued such license, of such conviction. The notification must be made within 30 days after the date that the person has been convicted.

(b) Each person who operates a commercial motor vehicle, who has a commercial driver's license issued by a State or jurisdiction, and who is convicted of violating, in any type of motor vehicle, a State or local law relating to motor vehicle traffic control (other than a parking violation), shall notify his/her current employer of such conviction. The notification must be made within 30 days after the date that the person has been convicted. If the driver is not currently employed, he/she must notify the State or jurisdiction which issued the license according to §383.31(a).

(c) *Notification.* The notification to the State official and employer must be made in writing and contain the following information:

- (1) Driver's full name;
- (2) Driver's license number;
- (3) Date of conviction;
- (4) The specific criminal or other offense(s), serious traffic violation(s), and other violation(s) of State or local law relating to motor vehicle traffic control, for which the person was convicted and any suspension, revocation, or cancellation of certain driving privileges which resulted from such conviction(s);
- (5) Indication whether the violation was in a commercial motor vehicle;
- (6) Location of offense; and
- (7) Driver's signature.

[52 FR 20587, June 1, 1987, as amended at 54 FR 40787, Oct. 3, 1989]

§ 383.33 Notification of driver's license suspensions.

Each employee who has a driver's license suspended, revoked, or canceled by a State or jurisdiction, who loses the right to operate a commercial motor vehicle in a State or jurisdiction for any period, or who is disqualified from operating a commercial motor vehicle for any period, shall notify his/her current employer of such suspension, revocation, cancellation, lost privilege, or disqualification. The notification must be made before the end of the business day following the day the

employee received notice of the suspension, revocation, cancellation, lost privilege, or disqualification.

[54 FR 40788, Oct. 3, 1989]

§ 383.35 Notification of previous employment.

(a) Any person applying for employment as an operator of a commercial motor vehicle shall provide at the time of application for employment, the information specified in paragraph (c) of this section.

(b) All employers shall request the information specified in paragraph (c) of this section from all persons applying for employment as a commercial motor vehicle operator. The request shall be made at the time of application for employment.

(c) The following employment history information for the 10 years preceding the date the application is submitted shall be presented to the prospective employer by the applicant:

- (1) A list of the names and addresses of the applicant's previous employers for which the applicant was an operator of a commercial motor vehicle;
- (2) The dates the applicant was employed by these employers; and
- (3) The reason for leaving such employment.

(d) The applicant shall certify that all information furnished is true and complete.

(e) An employer may require an applicant to provide additional information.

(f) Before an application is submitted, the employer shall inform the applicant that the information he/she provides in accordance with paragraph (c) of this section may be used, and the applicant's previous employers may be contacted for the purpose of investigating the applicant's work history.

§ 383.37 Employer responsibilities.

No employer may knowingly allow, require, permit, or authorize a driver to operate a CMV in the United States:

- (a) During any period in which the driver has a CMV driver's license suspended, revoked, or canceled by a State, has lost the right to operate a CMV in a State, or has been disqualified from operating a CMV;

(b) During any period in which the driver has more than one CMV driver's license;

(c) During any period in which the driver, or the CMV he or she is driving, or the motor carrier operation, is subject to an out-of-service order; or

(d) In violation of a Federal, State, or local law or regulation pertaining to railroad-highway grade crossings.

[64 FR 48110, Sept. 2, 1999]

Subpart D—Driver Disqualifications and Penalties

§ 383.51 Disqualification of drivers.

(a) *General.* (1) A driver or holder of a CDL who is disqualified must not drive a CMV.

(2) An employer must not knowingly allow, require, permit, or authorize a driver who is disqualified to drive a CMV.

(3) A driver is subject to disqualification sanctions designated in paragraphs (b) and (c) of this section, if the holder of a CDL drives a CMV or non-CMV and is convicted of the violations.

(4) Determining first and subsequent violations. For purposes of determining

first and subsequent violations of the offenses specified in this subpart, each conviction for any offense listed in Tables 1 through 4 to this section resulting from a separate incident, whether committed in a CMV or non-CMV, must be counted.

(5) Reinstatement after lifetime disqualification. A State may reinstate any driver disqualified for life for offenses described in paragraphs (b)(1) through (b)(8) of this section (Table 1 to §383.51) after 10 years if that person has voluntarily entered and successfully completed an appropriate rehabilitation program approved by the State. Any person who has been reinstated in accordance with this provision and who is subsequently convicted of a disqualifying offense described in paragraphs (b)(1) through (b)(8) of this section (Table 1 to §383.51) must not be reinstated.

(b) *Disqualification for major offenses.* Table 1 to §383.51 contains a list of the offenses and periods for which a driver must be disqualified, depending upon the type of vehicle the driver is operating at the time of the violation, as follows:

TABLE 1 TO § 383.51

If a driver operates a motor vehicle and is convicted of:	For a first conviction or refusal to be tested while operating a CMV, a person required to have a CDL and a CDL holder must be disqualified from operating a CMV for . . .	For a first conviction or refusal to be tested while operating a non-CMV, a CDL holder must be disqualified from operating a CMV for . . .	For a first conviction or refusal to be tested while operating a CMV transporting hazardous materials required to be placarded under the Hazardous Materials Regulations (49 CFR part 172, subpart F), a person required to have a CDL and CDL holder must be disqualified from operating a CMV for . . .	For a second conviction or refusal to be tested in a separate incident of any combination of offenses in this Table while operating a CMV, a person required to have a CDL and a CDL holder must be disqualified from operating a CMV for . . .	For a second conviction or refusal to be tested in a separate incident of any combination of offenses in this Table while operating a non-CMV, a CDL holder must be disqualified from operating a CMV for . . .
(1) Being under the influence of alcohol as prescribed by State law * * *.	1 year	1 year	3 years	Life	Life.
(2) Being under the influence of a controlled substance * * *.	1 year	1 year	3 years	Life	Life.
(3) Having an alcohol concentration of 0.04 or greater while operating a CMV * * *.	1 year	Not applicable ...	3 years	Life	Not applicable.

TABLE 1 TO § 383.51—Continued

If a driver operates a motor vehicle and is convicted of:	For a first conviction or refusal to be tested while operating a CMV, a person required to have a CDL and a CDL holder must be disqualified from operating a CMV for . . .	For a first conviction or refusal to be tested while operating a non-CMV, a CDL holder must be disqualified from operating a CMV for . . .	For a first conviction or refusal to be tested while operating a CMV transporting hazardous materials required to be placarded under the Hazardous Materials Regulations (49 CFR part 172, subpart F), a person required to have a CDL and CDL holder must be disqualified from operating a CMV for . . .	For a second conviction or refusal to be tested in a separate incident of any combination of offenses in this Table while operating a CMV, a person required to have a CDL and a CDL holder must be disqualified from operating a CMV for . . .	For a second conviction or refusal to be tested in a separate incident of any combination of offenses in this Table while operating a non-CMV, a CDL holder must be disqualified from operating a CMV for . . .
(4) Refusing to take an alcohol test as required by a State or jurisdiction under its implied consent laws or regulations as defined in § 383.72 of this part * * *.	1 year	1 year	3 years	Life	Life.
(5) Leaving the scene of an accident * * *.	1 year	1 year	3 years	Life	Life.
(6) Using the vehicle to commit a felony, other than a felony described in paragraph (b)(9) of this table * * *.	1 year	1 year	3 years	Life	Life.
(7) Driving a CMV when, as a result of prior violations committed operating a CMV, the driver's CDL is revoked, suspended, or canceled, or the driver is disqualified from operating a CMV.	1 year	Not applicable ...	3 years	Life	Not applicable.
(8) Causing a fatality through the negligent operation of a CMV, including but not limited to the crimes of motor vehicle manslaughter, homicide by motor vehicle and negligent homicide.	1 year	Not applicable ...	3 years	Life	Not applicable.
(9) Using the vehicle in the commission of a felony involving manufacturing, distributing, or dispensing a controlled substance * * *.	Life-not eligible for 10-year reinstatement.	Life-not eligible for 10-year reinstatement.	Life-not eligible for 10-year reinstatement.	Life-not eligible for 10-year reinstatement.	Life-not eligible for 10-year reinstatement

(c) *Disqualification for serious traffic violations.* Table 2 to § 383.51 contains a list of the offenses and the periods for which a driver must be disqualified, de-

pending upon the type of vehicle the driver is operating at the time of the violation, as follows:

TABLE 2 TO § 383.51

If the driver operates a motor vehicle and is convicted of:	For a second conviction of any combination of offenses in this Table in a separate incident within a 3-year period while operating a CMV, a person required to have a CDL and a CDL holder must be disqualified from operating a CMV for . . .	For a second conviction of any combination of offenses in this Table in a separate incident within a 3-year period while operating a non-CMV, a CDL holder must be disqualified from operating a CMV, if the conviction results in the revocation, cancellation, or suspension of the CDL holder's license or non-CMV driving privileges, for . . .	For a third or subsequent conviction of any combination of offenses in this Table in a separate incident within a 3-year period while operating a CMV, a person required to have a CDL and a CDL holder must be disqualified from operating a CMV for . . .	For a third or subsequent conviction of any combination of offenses in this Table in a separate incident within a 3-year period while operating a non-CMV, a CDL holder must be disqualified from operating a CMV, if the conviction results in the revocation, cancellation, or suspension of the CDL holder's license or non-CMV driving privileges, for . . .
(1) Speeding excessively, involving any speed of 24.1 kmph (15 mph) or more above the posted speed limit.	60 days	60 days	120 days	120 days.
(2) driving recklessly, as defined by State or local law or regulation, including but, not limited to, offenses of driving a motor vehicle in willful or wanton disregard for the safety of persons or property.	60 days	60 days	120 days	120 days.
(3) making improper or erratic traffic lane changes.	60 days	60 days	120 days	120 days.
(4) following the vehicle ahead too closely.	60 days	60 days	120 days	120 days.
(5) Violating State or local law relating to motor vehicle traffic control (other than a parking violation) arising in connection with a fatal accident.	60 days	60 days	120 days	120 days.
(6) driving a CMV without obtaining a CDL.	60 days	Not applicable	120 days	Not applicable.
(7) driving a CMV without a CDL in the driver's possession ¹ .	60 days	Not applicable	120 days	Not applicable.
(8) driving a CMV without the proper class of CDL and/or endorsements for the specific vehicle group being operated or for the passengers or type of cargo being transported.	60 days	Not applicable	120 days	Not applicable.

¹ Any individual who provides proof to the enforcement authority that issued the citation, by the date the individual must appear in court or pay any fine for such a violation, that the individual held a valid CDL on the date the citation was issued, shall not be guilty of this offense.

(d) *Disqualification for railroad-highway grade crossing offenses.* Table 3 to § 383.51 contains a list of the offenses and the periods for which a driver must

be disqualified, when the driver is operating a CMV at the time of the violation, as follows:

TABLE 3 TO § 383.51

If the driver is convicted of operating a CMV in violation of a Federal, State or local law because . . .	For a first conviction a person required to have a CDL and a CDL holder must be disqualified from operating a CMV for . . .	For a second conviction of any combination of offenses in this Table in a separate incident within a 3-year period, a person required to have a CDL and a CDL holder must be disqualified from operating a CMV for . . .	For a third or subsequent conviction of any combination of offenses in this Table in a separate incident within a 3-year period, a person required to have a CDL and a CDL holder must be disqualified from operating a CMV for . . .
(1) The driver is not required to always stop, but fails to slow down and check that tracks are clear of an approaching train * * *.	No less than 60 days	No less than 120 days	No less than 1 year.
(2) The driver is not required to always stop, but fails to stop before reaching the crossing, if the tracks are not clear * * *.	No less than 60 days	No less than 120 days	No less than 1 year.
(3) The driver is always required to stop, but fails to stop before driving onto the crossing * * *.	No less than 60 days	No less than 120 days	No less than 1 year.
(4) The driver fails to have sufficient space to drive completely through the crossing without stopping * * *.	No less than 60 days	No less than 120 days	No less than 1 year.
(5) The driver fails to obey a traffic control device or the directions of an enforcement official at the crossing * * *.	No less than 60 days	No less than 120 days	No less than 1 year.
(6) The driver fails to negotiate a crossing because of insufficient undercarriage clearance * * *.	No less than 60 days	No less than 120 days	No less than 1 year.

(e) *Disqualification for violating out-of-service orders.* Table 4 to §383.51 contains a list of the offenses and periods for which a driver must be disqualified when the driver is operating a CMV at the time of the violation, as follows:

TABLE 4 TO § 383.51

If the driver operates a CMV and is convicted of . . .	For a first conviction while operating a CMV, a person required to have a CDL and a CDL holder must be disqualified from operating a CMV for . . .	For a second conviction in a separate incident within a 10-year period while operating a CMV, a person required to have a CDL and a CDL holder must be disqualified from operating a CMV for . . .	For a third or subsequent conviction in a separate incident within a 10-year period while operating a CMV, a person required to have a CDL and a CDL holder must be disqualified from operating a CMV for . . .
(1) Violating a driver or vehicle out-of-service order while transporting nonhazardous materials . . .	No less than 90 days or more than 1 year.	No less than 1 year or more than 5 years.	No less than 3 years or more than 5 years.
(2) Violating a driver or vehicle out-of-service order while transporting hazardous materials required to be placarded under part 172, subpart F of this title, or while operating a vehicle designed to transport 16 or more passengers, including the driver . . .	No less than 180 days or more than 2 years.	No less than 3 years or more than 5 years.	No less than 3 years or more than 5 years.

[67 FR 49756, July 31, 2002, as amended at 68 FR 4396, Jan. 29, 2003]

§ 383.52 Disqualification of drivers determined to constitute an imminent hazard.

(a) The Assistant Administrator or his/her designee must disqualify from operating a CMV any driver whose driving is determined to constitute an imminent hazard, as defined in § 383.5.

(b) The period of the disqualification may not exceed 30 days unless the FMCSA complies with the provisions of paragraph (c) of this section.

(c) The Assistant Administrator or his/her delegate may provide the driver an opportunity for a hearing after issuing a disqualification for a period of 30 days or less. The Assistant Administrator or his/her delegate must provide the driver notice of a proposed disqualification period of more than 30 days and an opportunity for a hearing to present a defense to the proposed disqualification. A disqualification imposed under this paragraph may not exceed one year in duration. The driver, or a representative on his/her behalf, may file an appeal of the disqualification issued by the Assistant Administrator's delegate with the Assistant Administrator, Adjudications Counsel, Federal Motor Carrier Safety Administration (Room 8217), 400 Seventh Street, SW., Washington, DC 20590.

(d) Any disqualification imposed in accordance with the provisions of this section must be transmitted by the FMCSA to the jurisdiction where the driver is licensed and must become a part of the driver's record maintained by that jurisdiction.

(e) A driver who is simultaneously disqualified under this section and under other provisions of this subpart, or under State law or regulation, shall serve those disqualification periods concurrently.

[67 FR 49759, July 31, 2002]

§ 383.53 Penalties.

(a) *General rule.* Any person who violates the rules set forth in subparts B and C of this part may be subject to civil or criminal penalties as provided for in 49 U.S.C. 521(b).

(b) *Special penalties pertaining to violation of out-of-service orders—*

(b) *Special penalties pertaining to violation of out-of-service orders—*(1) *Driver*

violations. A driver who is convicted of violating an out-of-service order shall be subject to a civil penalty of not less than \$1,100 nor more than \$2,750, in addition to disqualification under § 383.51(e).

(2) *Employer violations.* An employer who is convicted of a violation of § 383.37(c) shall be subject to a civil penalty of not less than \$2,750 nor more than \$11,000.

(c) *Special penalties pertaining to railroad-highway grade crossing violations.* An employer who is convicted of a violation of § 383.37(d) must be subject to a civil penalty of not more than \$10,000.

[59 FR 26028, May 18, 1994, as amended at 64 FR 48111, Sept. 2, 1999; 67 FR 49759, July 31, 2002]

Subpart E—Testing and Licensing Procedures

SOURCE: 53 FR 27649, July 21, 1988, unless otherwise noted.

§ 383.71 Driver application procedures.

(a) *Initial Commercial Driver's License.* Prior to obtaining a CDL, a person must meet the following requirements:

(1) A person who operates or expects to operate in interstate or foreign commerce, or is otherwise subject to part 391 of this title, shall certify that he/she meets the qualification requirements contained in part 391 of this title. A person who operates or expects to operate entirely in intrastate commerce and is not subject to part 391, is subject to State driver qualification requirements and must certify that he/she is not subject to part 391;

(2) Pass a knowledge test in accordance with the standards contained in subparts G and H of this part for the type of motor vehicle the person operates or expects to operate;

(3) Pass a driving or skills test in accordance with the standards contained in subparts G and H of this part taken in a motor vehicle which is representative of the type of motor vehicle the person operates or expects to operate; or provide evidence that he/she has successfully passed a driving test administered by an authorized third party;

(4) Certify that the motor vehicle in which the person takes the driving

skills test is representative of the type of motor vehicle that person operates or expects to operate;

(5) Provide to the State of issuance the information required to be included on the CDL as specified in subpart J of this part;

(6) Certify that he/she is not subject to any disqualification under §383.51, or any license suspension, revocation, or cancellation under State law, and that he/she does not have a driver's license from more than one State or jurisdiction;

(7) Surrender the applicant's non-CDL driver's licenses to the State; and

(8) Provide the names of all States where the applicant has previously been licensed to drive any type of motor vehicle during the previous 10 years.

(9) If applying for a hazardous materials endorsement, comply with Transportation Security Administration requirements codified in 49 CFR Part 1572, and provide proof of citizenship or immigration status as specified in Table 1 to this section. A lawful permanent resident of the United States requesting a hazardous materials endorsement must additionally provide his or her Bureau of Citizenship and Immigration Services (BCIS) Alien registration number.

TABLE 1 TO §383.71—LIST OF ACCEPTABLE PROOFS OF CITIZENSHIP OR IMMIGRATION

Status	Proof of status
U.S. Citizen	<ul style="list-style-type: none"> • U.S. Passport • Certificate of birth that bears an official seal and was issued by a State, county, municipal authority, or outlying possession of the United States • Certification of Birth Abroad issued by the U.S. Department of State (Form FS-545 or DS 1350) • Certificate of Naturalization (Form N-550 or N-570) • Certificate of U.S. Citizenship (Form N-560 or N-561)
Lawful Permanent Resident.	<ul style="list-style-type: none"> • Permanent Resident Card, Alien Registration Receipt Card (Form I-551) • Temporary I-551 stamp in foreign passport • Temporary I-551 stamp on Form I-94, Arrival/Departure Record, with photograph of the bearer • Reentry Permit (Form I-327)

(b) *License transfer.* When applying to transfer a CDL from one State of domicile

to a new State domicile, an applicant shall apply for a CDL from the new State of domicile within no more than 30 days after establishing his/her new domicile. The applicant shall:

(1) Provide to the new State of domicile the certifications contained in §383.71(a) (1) and (6);

(2) Provide to the new State of domicile updated information as specified in subpart J of this part;

(3) If the applicant wishes to retain a hazardous materials endorsement, he/she must comply with the requirements for such endorsement specified in §383.71(a)(9) and State requirements as specified in §383.73(b)(4);

(4) Surrender the CDL from the old State of domicile to the new State of domicile; and

(5) Provide the names of all States where the applicant has previously been licensed to drive any type of motor vehicle during the previous 10 years.

(c) *License renewal.* When applying for a renewal of a CDL, all applicants shall:

(1) Provide certification contained in §383.71(a)(1);

(2) Provide update information as specified in subpart J of this part; and

(3) If a person wishes to retain a hazardous materials endorsement, he/she must comply with the requirements specified in §383.71(a)(9) and pass the test specified in §383.121 for such endorsement.

(4) Provide the names of all States where the applicant has previously been licensed to drive any type of motor vehicle during the previous 10 years.

(d) *License upgrades.* When applying to operate a commercial motor vehicle in a different group or endorsement from the group or endorsement in which the applicant already has a CDL, all persons shall:

(1) Provide the necessary certifications as specified in §383.71(a)(1) and (a)(4);

(2) Pass all tests specified in §383.71(a)(2) and (a)(3) for the new vehicle group and/or different endorsements; and

(3) To obtain a hazardous materials endorsement, comply with the requirements for such endorsement specified in § 383.71(a)(9).

(e) *Nonresident CDL.* When an applicant is domiciled in a foreign jurisdiction, as defined in § 383.5, where the commercial motor vehicle operator testing and licensing standards do not meet the standards contained in subparts G and H of this part, as determined by the Administrator, such applicant shall obtain a Nonresident CDL from a State which meets such standards. Such applicant shall:

(1) Complete the requirements to obtain a CDL contained in § 383.71(a); and

(2) After receipt of the CDL, and for as long as it is valid, notify the State which issued the CDL of any adverse action taken by any jurisdiction or governmental agency, foreign or domestic, against his/her driving privileges. Such adverse actions would include but not be limited to license suspension or revocation, or disqualification from operating a commercial motor vehicle for the convictions described in § 383.51. Notifications shall be made within the time periods specified in § 383.33.

(f) If a State uses the alternative method described in § 383.73(i) to achieve the objectives of the certifications in § 383.71(a), then the driver applicant shall satisfy such alternative methods as are applicable to him/her with respect to initial licensing, license transfer, license renewal, and license upgrades.

[53 FR 27649, July 21, 1988, as amended at 67 FR 49759, July 31, 2002; 68 FR 23849, May 5, 2003]

§ 383.72 Implied consent to alcohol testing.

Any person who holds a CDL is considered to have consented to such testing as is required by any State or jurisdiction in the enforcement of §§ 383.51(b)(2)(i) and 392.5(a)(2) of this chapter. Consent is implied by driving a commercial motor vehicle.

[66 FR 49872, Oct. 1, 2001]

§ 383.73 State procedures.

(a) *Initial licensure.* Prior to issuing a CDL to a person, a State shall:

(1) Require the driver applicant to certify, pass tests, and provide information as described in §§ 383.71(a) (1) through (6);

(2) Check that the vehicle in which the applicant takes his/her test is representative of the vehicle group the applicant has certified that he/she operates or expects to operate;

(3) Initiate and complete a check of the applicant's driving record to ensure that the person is not subject to any disqualification under § 383.51, or any license suspension, revocation, or cancellation under State law, and that the person does not have a driver's license from more than one State or jurisdiction. The record check must include, but is not limited to, the following:

(i) A check of the applicant's driving record as maintained by his/her current State of licensure, if any;

(ii) A check with the CDLIS to determine whether the driver applicant already has been issued a CDL, whether the applicant's license has been suspended, revoked, or canceled, or if the applicant has been disqualified from operating a commercial motor vehicle;

(iii) A check with the National Driver Register (NDR) to determine whether the driver applicant has:

(A) Been disqualified from operating a motor vehicle (other than a commercial motor vehicle);

(B) Had a license (other than CDL) suspended, revoked, or canceled for cause in the 3-year period ending on the date of application; or

(C) Been convicted of any offenses contained in section 205(a)(3) of the National Driver Register Act of 1982 (23 U.S.C. 401 note); and

(iv) A request for the applicant's complete driving record from all States where the applicant was previously licensed over the last 10 years to drive any type of motor vehicle. *Exception:* A State is only required to make the driving record check specified in this paragraph (a)(3) for drivers renewing a CDL for the first time after September 30, 2002, provided a notation is made on the driver's record confirming that the driver record check required by this paragraph (a)(3) has been made and noting the date it was done; and

(4) Require the driver applicant to surrender his/her driver's license issued

by another State, if he/she has moved from another State.

(5) For persons applying for a hazardous materials endorsement, require compliance with the standards for such endorsement specified in §383.71(a)(9).

(b) *License transfers.* Prior to issuing a CDL to a person who has a CDL from another State, a State shall:

(1) Require the driver applicant to make the certifications contained in §383.71(a);

(2) Complete a check of the driver applicant's record as contained in §383.73(a)(3);

(3) Request and receive updates of information specified in subpart J of this part;

(4) If such applicant wishes to retain a hazardous materials endorsement, require compliance with standards for such endorsement specified in §383.71(a)(9) and ensure that the driver has, within the 2 years preceding the transfer, either:

(i) Passed the test for such endorsement specified in §383.121; or

(ii) Successfully completed a hazardous materials test or training that is given by a third party and that is deemed by the State to substantially cover the same knowledge base as that described in §383.121; and

(5) Obtain the CDL issued by the applicant's previous State of domicile.

(c) *License Renewals.* Prior to renewing any CDL a State shall:

(1) Require the driver applicant to make the certifications contained in §383.71(a);

(2) Complete a check of the driver applicant's record as contained in §383.73(a)(3);

(3) Request and receive updates of information specified in subpart J of this part; and

(4) If such applicant wishes to retain a hazardous materials endorsement, require the driver to pass the test specified in §383.121 and comply with the standards specified in §383.71(a)(9) for such endorsement.

(d) *License upgrades.* Prior to issuing an upgrade of a CDL, a State shall:

(1) Require such driver applicant to provide certifications, pass tests, and meet applicable hazardous materials standards specified in §383.71(d); and

(2) Complete a check of the driver applicant's record as described in §383.73(a)(3).

(e) *Nonresident CDL.* A State may issue a Nonresident CDL to a person domiciled in a foreign country if the Administrator has determined that the commercial motor vehicle testing and licensing standards in the foreign jurisdiction of domicile do not meet the standards contained in this part. State procedures for the issuance of a nonresident CDL, for any modifications thereto, and for notifications to the CDLIS shall at a minimum be identical to those pertaining to any other CDL, with the following exceptions:

(1) If the applicant is requesting a transfer of his/her Nonresident CDL, the State shall obtain the Nonresident CDL currently held by the applicant and issued by another State;

(2) The State shall add the word "Nonresident" to the face of the CDL, in accordance with §383.153(b); and

(3) The State shall have established, prior to issuing any Nonresident CDL, the practical capability of disqualifying the holder of any Nonresident CDL, by withdrawing, suspending, canceling, and revoking his/her Nonresident CDL as if the Nonresident CDL were a CDL issued to a resident of the State.

(f) *License issuance.* After the State has completed the procedures described in §383.73 (a), (b), (c), (d) or (e), it may issue a CDL to the driver applicant. The State shall notify the operator of the CDLIS of such issuance, transfer, renewal, or upgrade within the 10-day period beginning on the date of license issuance.

(g) *Penalties for false information.* If a State determines, in its check of an applicant's license status and record prior to issuing a CDL, or at any time after the CDL is issued, that the applicant has falsified information contained in subpart J of this part or any of the certifications required in §383.71(a), the State shall at a minimum suspend, cancel, or revoke the person's CDL or his/her pending application, or disqualify the person from operating a commercial motor vehicle for a period of at least 60 consecutive days.

(h) *Reciprocity.* A State shall allow any person who has a valid CDL which is not suspended, revoked, or canceled, and who is not disqualified from operating a commercial motor vehicle, to operate a commercial motor vehicle in the State.

(i) *Alternative procedures.* A State may implement alternative procedures to the certification requirements of § 383.71(a) (1), (4), and (6), provided those procedures ensure that the driver meets the requirements of those paragraphs.

[53 FR 27649, July 21, 1988, as amended at 54 FR 40788, Oct. 3, 1989; 67 FR 49760, July 31, 2002; 68 FR 23850, May 5, 2003]

§ 383.75 Third party testing.

(a) *Third party tests.* A State may authorize a person (including another State, an employer, a private driver training facility or other private institution, or a department, agency or instrumentality of a local government) to administer the skills tests as specified in subparts G and H of this part, if the following conditions are met:

(1) The tests given by the third party are the same as those which would otherwise be given by the State; and

(2) The third party as an agreement with the State containing, at a minimum, provisions that:

(i) Allow the FMCSA, or its representative, and the State to conduct random examinations, inspections and audits without prior notice;

(ii) Require the State to conduct on-site inspections at least annually;

(iii) Require that all third party examiners meet the same qualification and training standards as State examiners, to the extent necessary to conduct skills tests in compliance with subparts G and H;

(iv) Require that, at least on an annual basis, State employees take the tests actually administered by the third party as if the State employee were a test applicant, or that States test a sample of drivers who were examined by the third party to compare pass/fail results; and

(v) Reserve unto the State the right to take prompt and appropriate remedial action against the third-party testers in the event that the third-party fails to comply with State or

Federal standards for the CDL testing program, or with any other terms of the third-party contract.

(b) *Proof of testing by a third party.* A driver applicant who takes and passes driving tests administered by an authorized third party shall provide evidence to the State licensing agency that he/she has successfully passed the driving tests administered by the third party.

§ 383.77 Substitute for driving skills tests.

At the discretion of a State, the driving skill test as specified in § 383.113 may be waived for a CMV operator who is currently licensed at the time of his/her application for a CDL, and substituted with either an applicant's driving record and previous passage of an acceptable skills test, or an applicant's driving record in combination with certain driving experience. The State shall impose conditions and limitations to restrict the applicants from whom a State may accept alternative requirements for the skills test described in § 383.113. Such conditions must require at least the following:

(a) An applicant must certify that, during the two-year period immediately prior to applying for a CDL, he/she:

(1) Has not had more than one license (except in the instances specified in § 383.21(b));

(2) Has not had any license suspended, revoked, or canceled;

(3) Has not had any convictions for any type of motor vehicle for the disqualifying offenses contained in § 383.51(b);

(4) Has not had more than one conviction for any type of motor vehicle for serious traffic violations; and

(5) Has not had any conviction for a violation of State or local law relating to motor vehicle traffic control (other than a parking violation) arising in connection with any traffic accident, and has no record of an accident in which he/she was at fault; and

(b) An applicant must provide evidence and certify that:

(1) He/she is regularly employed in a job requiring operation of a CMV, and that either:

(2) He/she has previously taken and passed a skills test given by a State with a classified licensing and testing system, and that the test was behind-the-wheel in a representative vehicle for that applicant's driver's license classification; or

(3) He/she has operated, for at least 2 years immediately preceding application for a CDL, a vehicle representative of the commercial motor vehicle the driver applicant operates or expects to operate.

[53 FR 27649, July 21, 1988, as amended at 55 FR 25606, June 22, 1990; 67 FR 49760, July 31, 2002]

Subpart F—Vehicle Groups and Endorsements

SOURCE: 53 FR 27651, July 21, 1988, unless otherwise noted.

§383.91 Commercial motor vehicle groups.

(a) Vehicle group descriptions. Each driver applicant must possess and be tested on his/her knowledge and skills, described in subpart G of this part, for the commercial motor vehicle group(s) for which he/she desires a CDL. The commercial motor vehicle groups are as follows:

(1) Combination vehicle (Group A)—Any combination of vehicles with a gross combination weight rating (GCWR) of 11,794 kilograms or more (26,001 pounds or more) provided the GVWR of the vehicle(s) being towed is in excess of 4,536 kilograms (10,000 pounds).

(2) Heavy Straight Vehicle (Group B)—Any single vehicle with a GVWR of 11,794 kilograms or more (26,001 pounds or more), or any such vehicle towing a vehicle not in excess of 4,536 kilograms (10,000 pounds) GVWR.

(3) Small Vehicle (Group C)—Any single vehicle, or combination of vehicles, that meets neither the definition of Group A nor that of Group B as contained in this section, but that either is designed to transport 16 or more passengers including the driver, or is used in the transportation of materials found to be hazardous for the purposes of the Hazardous Materials Transportation Act and which require the motor vehicle to be placarded under the Hazardous Materials Regulations (49 CFR part 172, subpart F).

(b) *Representative vehicle.* For purposes of taking the driving test in accordance with §383.113, a representative vehicle for a given vehicle group contained in §383.91(a), is any commercial motor vehicle which meets the definition of that vehicle group.

(c) *Relation between vehicle groups.* Each driver applicant who desires to operate in a different commercial motor vehicle group from the one which his/her CDL authorizes shall be required to retake and pass all related tests, except the following:

(1) A driver who has passed the knowledge and skills tests for a combination vehicle (Group A) may operate a heavy straight vehicle (Group B) or a small vehicle (Group C), provided that he/she possesses the requisite endorsement(s); and

(2) A driver who has passed the knowledge and skills tests for a heavy straight vehicle (Group B) may operate any small vehicle (Group C), provided that he/she possesses the requisite endorsement(s).

(d) *Vehicle group illustration.* Figure 1 illustrates typical vehicles within each of the vehicle groups defined in this section.

§ 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;
- (4) Used to transport hazardous materials as defined in §383.5, or
- (5) School buses.

(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;
- (4) Hazardous Materials—a knowledge test; and
- (5) School bus—a knowledge and a skills test.

[53 FR 27651, July 21, 1988, as amended at 67 FR 49760, July 31, 2002; 68 FR 23850, May 5, 2003]

§ 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 and the hazards of failure to signal properly.

(7) *Speed management.* The importance of understanding the effects of speed.

(8) *Space management.* The procedures and techniques for controlling the space around the vehicle.

(9) *Night operation.* Preparations and procedures for night driving.

(10) *Extreme driving conditions.* The basic information on operating in extreme driving conditions and the hazards that are encountered in extreme conditions.

(11) *Hazard perceptions.* The basic information on hazard perception and clues for recognition of hazards.

(12) *Emergency maneuvers.* The basic information concerning when and how to make emergency maneuvers.

(13) *Skid control and recovery.* The information on the causes and major types of skids, as well as the procedures for recovering from skids.

(d) *Relationship of cargo to vehicle control.* The principles and procedures for the proper handling of cargo.

(e) *Vehicle inspections:* The objectives and proper procedures for performing vehicle safety inspections, as follows:

(1) The importance of periodic inspection and repair to vehicle safety.

(2) The effect of undiscovered malfunctions upon safety.

(3) What safety-related parts to look for when inspecting vehicles.

(4) Pre-trip/enroute/post-trip inspection procedures.

(5) Reporting findings.

(f) *Hazardous materials knowledge, such as:* What constitutes hazardous material requiring an endorsement to transport; classes of hazardous materials; labeling/placarding requirements; and the need for specialized training as a prerequisite to receiving the endorsement and transporting hazardous cargoes.

(g) *Air brake knowledge as follows:*

(1) Air brake system nomenclature;

(2) The dangers of contaminated air supply;

(3) Implications of severed or disconnected air lines between the power unit and the trailer(s);

(4) Implications of low air pressure readings;

(5) Procedures to conduct safe and accurate pre-trip inspections.

(6) Procedures for conducting enroute and post-trip inspections of air actuated brake systems, including ability to detect defects which may cause the system to fail.

(h) *Operators for the combination vehicle group shall also have knowledge of:*

(1) Coupling and uncoupling—The procedures for proper coupling and uncoupling a tractor to semi-trailer.

(2) Vehicle inspection—The objectives and proper procedures that are *unique* for performing vehicle safety inspections on combination vehicles.

[53 FR 27654, July 21, 1988, as amended at 62 FR 37151, July 11, 1997]

§ 383.113 Required skills.

(a) *Basic vehicle control skills.* All applicants for a CDL must possess and demonstrate basic motor vehicle control skills for each vehicle group which the driver operates or expects to operate. These skills should include the ability to start, to stop, and to move the vehicle forward and backward in a safe manner.

(b) *Safe driving skills.* All applicants for a CDL must possess and demonstrate the safe driving skills for their vehicle group. These skills should include proper visual search methods, appropriate use of signals, speed control for weather and traffic conditions, and ability to position the motor vehicle correctly when changing lanes or turning.

(c) *Air brake skills.* Except as provided in §393.95, all applicants shall demonstrate the following skills with respect to inspection and operation of air brakes:

(1) *Pre-trip inspection skills.* Applicants shall demonstrate the skills necessary to conduct a pre-trip inspection which includes the ability to:

(i) Locate and verbally identify air brake operating controls and monitoring devices;

(ii) Determine the motor vehicle's brake system condition for proper adjustments and that air system connections between motor vehicles have been properly made and secured;

(iii) Inspect the low pressure warning device(s) to ensure that they will activate in emergency situations;

(iv) Ascertain, with the engine running, that the system maintains an adequate supply of compressed air;

(v) Determine that required minimum air pressure build up time is within acceptable limits and that required alarms and emergency devices automatically deactivate at the proper pressure level; and

(vi) Operationally check the brake system for proper performance.

(2) *Driving skills.* Applicants shall successfully complete the skills tests contained in §383.113 in a representative vehicle equipped with air brakes.

(d) *Test area.* Skills tests shall be conducted in on-street conditions or under a combination of on-street and off-street conditions.

(e) *Simulation technology.* A State may utilize simulators to perform skills testing, but under no circumstances as a substitute for the required testing in on-street conditions.

§383.115 Requirements for double/triple trailers endorsement.

In order to obtain a Double/Triple Trailers endorsement each applicant must have knowledge covering:

(a) Procedures for assembly and hookup of the units;

(b) Proper placement of heaviest trailer;

(c) Handling and stability characteristics including off-tracking, response to steering, sensory feedback, braking, oscillatory sway, rollover in steady turns, yaw stability in steady turns; and

(d) Potential problems in traffic operations, including problems the motor vehicle creates for other motorists due to slower speeds on steep grades, longer passing times, possibility for blocking entry of other motor vehicles on freeways, splash and spray impacts, aero-

dynamic buffeting, view blockages, and lateral placement.

§383.117 Requirements for passenger endorsement.

An applicant for the passenger endorsement must satisfy both of the following additional knowledge and skills test requirements.

(a) *Knowledge test.* All applicants for the passenger endorsement must have knowledge covering at least the following topics:

(1) Proper procedures for loading/unloading passengers;

(2) Proper use of emergency exits, including push-out windows;

(3) Proper responses to such emergency situations as fires and unruly passengers;

(4) Proper procedures at railroad crossings and drawbridges; and

(5) Proper braking procedures.

(b) *Skills test.* To obtain a passenger endorsement applicable to a specific vehicle group, an applicant must take his/her skills test in a passenger vehicle satisfying the requirements of that group as defined in §383.91.

§383.119 Requirements for tank vehicle endorsement.

In order to obtain a Tank Vehicle Endorsement, each applicant must have knowledge covering the following:

(a) Causes, prevention, and effects of cargo surge on motor vehicle handling;

(b) Proper braking procedures for the motor vehicle when it is empty, full and partially full;

(c) Differences in handling of baffled/compartmental tank interiors versus non-baffled motor vehicles;

(d) Differences in tank vehicle type and construction;

(e) Differences in cargo surge for liquids of varying product densities;

(f) Effects of road grade and curvature on motor vehicle handling with filled, half-filled and empty tanks;

(g) Proper use of emergency systems; and

(h) For drivers of DOT specification tank vehicles, retest and marking requirements.

§ 383.121 Requirements for hazardous materials endorsement.

In order to obtain a Hazardous Material Endorsement each applicant must have such knowledge as is required of a driver of a hazardous materials laden vehicle, from information contained in 49 CFR parts 171, 172, 173, 177, 178, and 397 on the following:

(a) Hazardous materials regulations including:

- (1) Hazardous materials table;
- (2) Shipping paper requirements;
- (3) Marking;
- (4) Labeling;
- (5) Placarding requirements;
- (6) Hazardous materials packaging;
- (7) Hazardous materials definitions and preparation;
- (8) Other regulated material (e.g., ORM-D);
- (9) Reporting hazardous materials accidents; and
- (10) Tunnels and railroad crossings.

(b) Hazardous materials handling including:

- (1) Forbidden Materials and Packages;
- (2) Loading and Unloading Materials;
- (3) Cargo Segregation;
- (4) Passenger Carrying Buses and Hazardous Materials;
- (5) Attendance of Motor Vehicles;
- (6) Parking;
- (7) Routes;
- (8) Cargo Tanks; and
- (9) "Safe Havens."

(c) Operation of emergency equipment including:

- (1) Use of equipment to protect the public;
 - (2) Special precautions for equipment to be used in fires;
 - (3) Special precautions for use of emergency equipment when loading or unloading a hazardous materials laden motor vehicle; and
 - (4) Use of emergency equipment for tank vehicles.
- (d) Emergency response procedures including:

- (1) Special care and precautions for different types of accidents;
- (2) Special precautions for driving near a fire and carrying hazardous materials, and smoking and carrying hazardous materials;
- (3) Emergency procedures; and

(4) Existence of special requirements for transporting Class A and B explosives.

§ 383.123 Requirements for a school bus endorsement.

(a) An applicant for a school bus endorsement must satisfy the following three requirements:

(1) Qualify for passenger vehicle endorsement. Pass the knowledge and skills test for obtaining a passenger vehicle endorsement.

(2) Knowledge test. Must have knowledge covering at least the following three topics:

(i) Loading and unloading children, including the safe operation of stop signal devices, external mirror systems, flashing lights and other warning and passenger safety devices required for school buses by State or Federal law or regulation.

(ii) Emergency exits and procedures for safely evacuating passengers in an emergency.

(iii) State and Federal laws and regulations related to safely traversing highway rail grade crossings.

(3) Skills test. Must take a driving skills test in a school bus of the same vehicle group (see §383.91(a)) as the school bus applicant will drive.

(4) *Exception.* Knowledge and skills tests administered before September 30, 2002 and approved by FMCSA as meeting the requirements of this section, meet the requirements of paragraphs (a)(2) and (a)(3) of this section.

(b) *Substitute for driving skills test.* (1) At the discretion of a State, the driving skills test required in paragraph (a)(3) of this section may be waived for an applicant who is currently licensed, has experience driving a school bus, has a good driving record, and meets the conditions set forth in paragraph (b)(2) of this section.

(2) An applicant must certify and the State must verify that, during the two-year period immediately prior to applying for the school bus endorsement, the applicant:

(i) Held a valid CDL with a passenger vehicle endorsement to operate a school bus representative of the group he or she will be driving;

(ii) Has not had his or her driver's license or CDL suspended, revoked or

canceled or been disqualified from operating a CMV;

(iii) Has not been convicted of any of the disqualifying offenses in §383.51(b) while operating a CMV or of any offense in a non-CMV that would be disqualifying under §383.51(b) if committed in a CMV;

(iv) Has not had more than one conviction of any of the serious traffic violations defined in §383.5, while operating any type motor vehicle;

(v) Has not had any conviction for a violation of State or local law relating to motor vehicle traffic control (other than a parking violation) arising in connection with any traffic accident;

(vi) Has not been convicted of any motor vehicle traffic violation that resulted in an accident; and

(vii) Has been regularly employed as a school bus driver, has operated a school bus representative of the group the applicant seeks to drive, and provides evidence of such employment.

(3) After September 30, 2006, the provisions in paragraph (b) of this section do not apply.

[67 FR 49760, July 31, 2002, as amended at 70 FR 56593, Sept. 28, 2005]

APPENDIX TO SUBPART G OF PART 383—
REQUIRED KNOWLEDGE AND SKILLS—
SAMPLE GUIDELINES

The following is 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. This appendix closely follows the framework of §§383.111 and 383.113. It is intended to provide more specific guidance and suggestion to States. Additional detail in this appendix is not binding and States may depart from it at their discretion provided their CDL program tests for the general areas of knowledge and skill specified in §§383.111 and 383.113.

EXAMPLES OF SPECIFIC KNOWLEDGE ELEMENTS

(a) *Safe operations regulations.* Driver-related elements of the following regulations:

(1) Motor vehicle inspection, repair, and maintenance requirements as contained in parts 393 and 396 of this title;

(2) Procedures for safe vehicle operations as contained in part 392 of this title;

(3) The effects of fatigue, poor vision, hearing, and general health upon safe commercial motor vehicle operation as contained in parts 391, 392, and 395 of this title;

(4) The types of motor vehicles and cargoes subject to the requirements contained in part 397 of this title; and

(5) The effects of alcohol and drug use upon safe commercial motor vehicle operations as contained in parts 391 and 395 of this title.

(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, including:

(i) Starting, warming up, and shutting down the engine;

(ii) Putting the vehicle in motion and stopping;

(iii) Backing in a straight line; and

(iv) Turning the vehicle, e.g., basic rules, off-tracking, right/left turns and right curves.

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

(i) Key elements of shifting, e.g., controls, when to shift and double clutching;

(ii) Shift patterns and procedures; and

(iii) Consequences of improper shifting.

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

(i) Backing principles and rules; and

(ii) Basic backing maneuvers, e.g., straight-line backing, and backing on a curved path.

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

(i) Seeing ahead and to the sides;

(ii) Use of mirrors; and

(iii) Seeing to the rear.

(6) *Communication.* The principles and procedures for proper communications and the hazards of failure to signal properly, including:

(i) Signaling intent, e.g., signaling when changing speed or direction in traffic;

(ii) Communicating presence, e.g., using horn or lights to signal presence; and

(iii) Misuse of communications.

(7) *Speed management.* The importance of understanding the effects of speed, including:

(i) Speed and stopping distance;

(ii) Speed and surface conditions;

(iii) Speed and the shape of the road;

(iv) Speed and visibility; and

- (v) Speed and traffic flow.
- (8) *Space management.* The procedures and techniques for controlling the space around the vehicle, including:
- (i) The importance of space management;
 - (ii) Space cushions, e.g., controlling space ahead/to the rear;
 - (iii) Space to the sides; and
 - (iv) Space for traffic gaps.
- (9) *Night operation.* Preparations and procedures for night driving, including:
- (i) Night driving factors, e.g., driver factors, (vision, glare, fatigue, inexperience), roadway factors, (low illumination, variation in illumination, familiarity with roads, other road users, especially drivers exhibiting erratic or improper driving), vehicle factors (headlights, auxiliary lights, turn signals, windshields and mirrors); and
 - (ii) Night driving procedures, e.g., preparing to drive at night and driving at night.
- (10) *Extreme driving conditions.* The basic information on operating in extreme driving conditions and the hazards that are encountered in extreme conditions, including:
- (i) Adverse weather;
 - (ii) Hot weather; and
 - (iii) Mountain driving.
- (11) *Hazard perceptions.* The basic information on hazard perception and clues for recognition of hazards, including:
- (i) Importance of hazards recognition;
 - (ii) Road characteristics; and
 - (iii) Road user activities.
- (12) *Emergency maneuvers.* The basic information concerning when and how to make emergency maneuvers, including:
- (i) Evasive steering;
 - (ii) Emergency stop;
 - (iii) Off-road recovery;
 - (iv) Brake failure; and
 - (v) Blowouts.
- (13) *Skid control and recovery.* The information on the causes and major types of skids, as well as the procedures for recovering from skids.
- (d) *Relationship of cargo to vehicle control.* The principles and procedures for the proper handling of cargo, including:
- (1) The importance of proper cargo handling, e.g., consequences of improperly secured cargo, drivers' responsibilities, Federal/State and local regulations.
 - (2) Principles of weight distribution.
 - (3) Principles and methods of cargo securement.
- (e) *Vehicle inspections:* The objectives and proper procedures for performing vehicle safety inspections, as follows:
- (1) The importance of periodic inspection and repair to vehicle safety and to prevention of enroute breakdowns.
 - (2) The effect of undiscovered malfunctions upon safety.
 - (3) What safety-related parts to look for when inspecting vehicles, e.g., fluid leaks, interference with visibility, bad tires, wheel

and rim defects, braking system defects, steering system defects, suspension system defects, exhaust system defects, coupling system defects, and cargo problems.

(4) Pre-trip/enroute/post-trip inspection procedures.

(5) Reporting findings.

(f) *Hazardous materials knowledge, as follows:*

(1) What constitutes hazardous material requiring an endorsement to transport; and

(2) Classes of hazardous materials, labeling/placarding requirements, and the need for specialized training as a prerequisite to receiving the endorsement and transporting hazardous cargoes.

(g) *Air brake knowledge as follows:*

(1) General air brake system nomenclature;

(2) The dangers of contaminated air (dirt, moisture and oil) supply;

(3) Implications of severed or disconnected air lines between the power unit and the trailer(s);

(4) Implications of low air pressure readings;

(5) Procedures to conduct safe and accurate pre-trip inspections, including knowledge about:

(i) Automatic fail-safe devices;

(ii) System monitoring devices; and

(iii) Low pressure warning alarms.

(6) Procedures for conducting enroute and post-trip inspections of air actuated brake systems, including ability to detect defects which may cause the system to fail, including:

(i) Tests which indicate the amount of air loss from the braking system within a specified period, with and without the engine running; and

(ii) Tests which indicate the pressure levels at which the low air pressure warning devices and the tractor protection valve should activate.

(h) *Operators for the combination vehicle group shall also have knowledge of:*

(1) *Coupling and uncoupling.* The procedures for proper coupling and uncoupling a tractor to semi-trailer.

(2) *Vehicle inspection*—The objectives and proper procedures that are *unique* for performing vehicle safety inspections on combination vehicles.

EXAMPLES OF SPECIFIC SKILLS ELEMENTS

These examples relate to paragraphs (a) and (b) of §383.113 only.

(a) *Basic vehicle control skills.* All applicants for a CDL must possess and demonstrate the following basic motor vehicle control skills for each vehicle group which the driver operates or expects to operate. These skills shall include:

(1) Ability to start, warm-up, and shut down the engine;

(2) Ability to put the motor vehicle in motion and accelerate smoothly, forward and backward;

(3) Ability to bring the motor vehicle to a smooth stop;

(4) Ability to back the motor vehicle in a straight line, and check path and clearance while backing;

(5) Ability to position the motor vehicle to negotiate and then make left and right turns;

(6) Ability to shift as required and select appropriate gear for speed and highway conditions;

(7) Ability to back along a curved path; and

(8) Ability to observe the road and the behavior of other motor vehicles, particularly before changing speed and direction.

(b) *Safe driving skills.* All applicants for a CDL must possess and demonstrate the following safe driving skills for any vehicle group. These skills shall include:

(1) Ability to use proper visual search methods.

(2) Ability to signal appropriately when changing speed or direction in traffic.

(3) Ability to adjust speed to the configuration and condition of the roadway, weather and visibility conditions, traffic conditions, and motor vehicle, cargo and driver conditions;

(4) Ability to choose a safe gap for changing lanes, passing other vehicles, as well as for crossing or entering traffic;

(5) Ability to position the motor vehicle correctly before and during a turn to prevent other vehicles from passing on the wrong side as well as to prevent problems caused by off-tracking;

(6) Ability to maintain a safe following distance depending on the condition of the road, on visibility, and on vehicle weight; and

(7) Ability to adjust operation of the motor vehicle to prevailing weather conditions including speed selection, braking, direction changes and following distance to maintain control.

sent to alcohol testing described in §383.72, the procedures and penalties, contained in §383.51(b) to which a CDL holder is exposed for refusal to comply with such alcohol testing, State procedures described in §383.73, and other appropriate driver information contained in subpart E of this part;

(2) Information on vehicle groups and endorsements as specified in subpart F of this part;

(3) The substance of the knowledge and skills which drivers shall have as outlined in subpart G of this part for the different vehicle groups and endorsements;

(4) Details of testing procedures, including the purpose of the tests, how to respond, any time limits for taking the test, and any other special procedures determined by the State of issuance; and

(5) Directions for taking the tests.

(b) *Examiner procedures.* A State shall provide to test examiners details on testing and any other State-imposed requirements in the examiner's manual, and shall ensure that examiners are qualified to administer tests on the basis of training and/or other experience. States shall provide standardized scoring sheets for the skills tests, as well as standardized driving instructions for the applicants. Such examiners' manuals shall contain the following:

(1) Information on driver application procedures contained in §383.71, State procedures described in §383.73, and other appropriate driver information contained in subpart E of this part;

(2) Details on information which must be given to the applicant;

(3) Details on how to conduct the tests;

(4) Scoring procedures and minimum passing scores;

(5) Information for selecting driving test routes;

(6) List of the skills to be tested;

(7) Instructions on where and how the skills will be tested;

(8) How performance of the skills will be scored; and

(9) Causes for automatic failure of skills tests.

[53 FR 27657, July 21, 1988, as amended at 53 FR 39051, Oct. 4, 1988]

Subpart H—Tests

SOURCE: 53 FR 27657, July 21, 1988, unless otherwise noted.

§ 383.131 Test procedures.

(a) *Driver information manuals.* Information on how to obtain a CDL and endorsements shall be included in manuals and made available by States to CDL applicants. All information provided to the applicant shall include the following:

(1) Information on the requirements described in §383.71, the implied con-

§ 383.133 Testing methods.

(a) All tests shall be constructed in such a way as to determine if the applicant possesses the required knowledge and skills contained in subpart G of this part for the type of motor vehicle or endorsement the applicant wishes to obtain.

(b) States shall develop their own specifications for the tests for each vehicle group and endorsement which must be at least as stringent as the Federal standards.

(c) States shall determine specific methods for scoring the knowledge and skills tests.

(d) Passing scores must meet those standards contained in § 383.135.

(e) Knowledge and skills tests shall be based solely on the information contained in the driver manuals referred to in § 383.131(a).

(f) Each knowledge test shall be valid and reliable so as to assure that driver applicants possess the knowledge required under § 383.111.

(g) Each basic knowledge test, i.e., the test covering the areas referred to in § 383.111 for the applicable vehicle group, shall contain at least 30 items, exclusive of the number of items testing air brake knowledge. Each endorsement knowledge test, and the air brake component of the basic knowledge test as described in § 383.111(g), shall contain a number of questions that is sufficient to test the driver applicant's knowledge of the required subject matter with validity and reliability.

(h) The skills tests shall have administrative procedures, designed to achieve interexaminer reliability, that are sufficient to ensure fairness of pass/fail rates.

§ 383.135 Minimum passing scores.

(a) The driver applicant must correctly answer at least 80 percent of the questions on each knowledge test in order to achieve a passing score on such knowledge test.

(b) To achieve a passing score on the skills test, the driver applicant must demonstrate that he/she can successfully perform all of the skills listed in § 383.113.

(c) If the driver applicant does not obey traffic laws, or causes an accident

during the test, he/she shall automatically fail the test.

(d) The scoring of the basic knowledge and skills tests shall be adjusted as follows to allow for the air brake restriction (§ 383.95):

(1) If the applicant scores less than 80 percent on the air brake component of the basic knowledge test as described in § 383.111(g), the driver will have failed the air brake component and, if the driver is issued a CDL, an air brake restriction shall be indicated on the license; and

(2) If the applicant performs the skills test in a vehicle not equipped with air brakes, the driver will have omitted the air brake component as described in § 383.113(c) and, if the driver is issued a CDL, the air brake restriction shall be indicated on the license.

Subpart I—Requirement for Transportation Security Administration approval of hazardous materials endorsement issuances

§ 383.141 General.

(a) *Applicability date.* Beginning on the date(s) listed in 49 CFR 1572.13(b), this section applies to State agencies responsible for issuing hazardous materials endorsements for a CDL, and applicants for such endorsements.

(b) *Prohibition.* A State may not issue, renew, upgrade, or transfer a hazardous materials endorsement for a CDL to any individual authorizing that individual to operate a commercial motor vehicle transporting a hazardous material in commerce unless the Transportation Security Administration has determined that the individual does not pose a security risk warranting denial of the endorsement.

(c) *Individual notification.* At least 60 days prior to the expiration date of the CDL or hazardous materials endorsement, a State must notify the holder of a hazardous materials endorsement that the individual must pass a Transportation Security Administration security threat assessment process as part of any application for renewal of the hazardous materials endorsement. The notice must advise a driver that, in order to expedite the security

screening process, he or she should file a renewal application as soon as possible, but not later than 30 days before the date of expiration of the endorsement. An individual who does not successfully complete the Transportation Security Administration security threat assessment process referenced in paragraph (b) of this section may not be issued a hazardous materials endorsement.

(d) *Hazardous materials endorsement renewal cycle.* Each State must require that hazardous materials endorsements be renewed every 5 years or less so that individuals are subject to a Transportation Security Administration security screening requirement referenced in paragraph (b) of this section at least every 5 years.

[68 FR 24850, May 5, 2003, as amended at 68 FR 63033, Nov. 7, 2003; 69 FR 51393, Aug. 19, 2004; 70 FR 22271, Apr. 29, 2005]

Subpart J—Commercial Driver’s License Document

SOURCE: 53 FR 27657, July 21, 1988, unless otherwise noted.

§ 383.151 General.

The CDL shall be a document that is easy to recognize as a CDL. At a minimum, the document shall contain information specified in § 383.153.

§ 383.153 Information on the document and application.

(a) All CDLs shall contain the following information:

(1) The prominent statement that the license is a “Commercial Driver’s License” or “CDL,” except as specified in § 383.153(b).

(2) The full name, signature, and mailing address of the person to whom such license is issued;

(3) Physical and other information to identify and describe such person including date of birth (month, day, and year), sex, and height;

(4) Color photograph of the driver;

(5) The driver’s State license number;

(6) The name of the State which issued the license;

(7) The date of issuance and the date of expiration of the license;

(8) The group or groups of commercial motor vehicle(s) that the driver is authorized to operate, indicated as follows:

- (i) A for Combination Vehicle;
- (ii) B for Heavy Straight Vehicle; and
- (iii) C for Small Vehicle.

(9) The endorsement(s) for which the driver has qualified, if any, indicated as follows:

- (i) T for double/triple trailers;
- (ii) P for passenger;
- (iii) N for tank vehicle;
- (iv) H for hazardous materials;
- (v) X for a combination of tank vehicle and hazardous materials endorsements;
- (vi) S for school bus; and
- (vii) At the discretion of the State, additional codes for additional groupings of endorsements, as long as each such discretionary code is fully explained on the front or back of the CDL document.

(b) If the CDL is a Nonresident CDL, it shall contain the prominent statement that the license is a “Nonresident Commercial Driver’s License” or “Nonresident CDL.” The word “Nonresident” must be conspicuously and unmistakably displayed, but may be noncontiguous with the words “Commercial Driver’s License” or “CDL.”

(c) If the State has issued the applicant an air brake restriction as specified in § 383.95, that restriction must be indicated on the license.

(d) Except in the case of a Nonresident CDL:

(1) A driver applicant must provide his/her Social Security Number on the application of a CDL; and

(2) The State must provide the Social Security Number to the CDLIS.

[53 FR 27657, July 21, 1988, as amended at 67 FR 49760, July 31, 2002]

§ 383.155 Tamperproofing requirements.

States shall make the CDL tamperproof to the maximum extent practicable. At a minimum, a State shall use the same tamperproof method used for noncommercial drivers’ licenses.

(1) Be submitted in duplicate to the Administrator, Federal Motor Carrier Safety Administration, 400 Seventh Street, SW., Washington, DC 20590;

(2) Set forth the text or substance of the rule or amendment proposed, or specify the rule that the petitioner seeks to have repealed, as the case may be;

(3) Explain the interest of the petitioner in the action requested;

(4) Contain any information and arguments available to the petitioner to support the action sought.

[35 FR 9209, June 12, 1970, as amended at 45 FR 46424, July 10, 1980; 53 FR 2036, Jan. 26, 1988]

§ 389.33 Processing of petition.

(a) Unless the Administrator otherwise specifies, no public hearing, argument, or other proceeding is held directly on a petition before its disposition under this section.

(b) *Grants.* If the Administrator determines that the petition contains adequate justification, he/she initiates rule making action under this Subpart B.

(c) *Denials.* If the Administrator determines that the petition does not justify rule making, he/she denies the petition.

(d) *Notification.* Whenever the Administrator determines that a petition should be granted or denied, the Office of the Chief Counsel prepares a notice of that grant or denial for issuance to the petitioner, and the Administrator issues it to the petitioner.

[35 FR 9209, June 12, 1970, as amended at 53 FR 2036, Jan. 26, 1988]

§ 389.35 Petitions for reconsideration.

(a) Any interested person may petition the Administrator for reconsideration of any rule issued under this part. The petition must be in English and submitted in five (5) legible copies to the Administrator, Federal Motor Carrier Safety Administration, 400 Seventh Street, SW., Washington, DC 20590, and received not later than thirty (30) days after publication of the rule in the FEDERAL REGISTER. Petitions filed after that time will be considered as petitions filed under § 389.31. The petition must contain a brief

statement of the complaint and an explanation as to why compliance with the rule is not practicable, is unreasonable, or is not in the public interest.

(b) If the petitioner requests the consideration of additional facts, he/she must state the reason they were not presented to the Administrator within the prescribed time.

(c) The Administrator does not consider repetitious petitions.

(d) Unless the Administrator otherwise provides, the filing of a petition under this section does not stay the effectiveness of the rule.

[35 FR 9209, June 12, 1970, as amended at 53 FR 2036, Jan. 26, 1988]

§ 389.37 Proceedings on petitions for reconsideration.

The Administrator may grant or deny, in whole or in part, any petition for reconsideration without further proceedings. In the event he/she determines to reconsider any rule, he/she may issue a final decision on reconsideration without further proceedings, or he/she may provide such opportunity to submit comment or information and data as he/she deems appropriate. Whenever the Administrator determines that a petition should be granted or denied, he/she prepares a notice of the grant or denial of a petition for reconsideration, for issuance to the petitioner, and issues it to the petitioner. The Administrator may consolidate petitions relating to the same rule.

[35 FR 9209, June 12, 1970, as amended at 53 FR 2036, Jan. 26, 1988]

PART 390—FEDERAL MOTOR CARRIER SAFETY REGULATIONS; GENERAL

Subpart A—General Applicability and Definitions

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- 390.35 Certificates, reports, and records: Falsification, reproduction, or alteration.
- 390.37 Violation and penalty.

Subpart C [Reserved]

AUTHORITY: 49 U.S.C. 508, 13301, 13902, 31133, 31136, 31502, 31504, and sec. 204, Pub. L. 104-88, 109 Stat. 803, 941 (49 U.S.C. 701 note); sec. 114, Pub. L. 103-311, 108 Stat. 1673, 1677; sec. 217, Pub. L. 106-159, 113 Stat. 1748, 1767; and 49 CFR 1.73.

SOURCE: 53 FR 18052, May 19, 1988, unless otherwise noted.

EDITORIAL NOTE: Nomenclature changes to part 390 appear at 66 FR 49873, Oct. 1, 2001.

Subpart A—General Applicability and Definitions

§ 390.1 Purpose.

This part establishes general applicability, definitions, general requirements and information as they pertain to persons subject to this chapter.

§ 390.3 General applicability.

(a) The rules in subchapter B of this chapter are applicable to all employers, employees, and commercial motor vehicles, which transport property or passengers in interstate commerce.

(b) The rules in Part 383, Commercial Driver's License Standards, Requirements and Penalties, are applicable to every person who operates a commercial motor vehicle, as defined in § 383.5 of this subchapter, in interstate or intrastate commerce and to all employers of such persons.

(c) The rules in Part 387, Minimum Levels of Financial Responsibility for Motor Carriers, are applicable to motor

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carriers as provided in § 387.3 or 387.27 of this subchapter.

(d) *Additional requirements.* Nothing in subchapter B of this chapter shall be construed to prohibit an employer from requiring and enforcing more stringent requirements relating to safety of operation and employee safety and health.

(e) Knowledge of and compliance with the regulations.

(1) Every employer shall be knowledgeable of and comply with all regulations contained in this subchapter which are applicable to that motor carrier's operations.

(2) Every driver and employee shall be instructed regarding, and shall comply with, all applicable regulations contained in this subchapter.

(3) All motor vehicle equipment and accessories required by this subchapter shall be maintained in compliance with all applicable performance and design criteria set forth in this subchapter.

(f) *Exceptions.* Unless otherwise specifically provided, the rules in this subchapter do not apply to—

(1) All school bus operations as defined in § 390.5;

(2) Transportation performed by the Federal government, a State, or any political subdivision of a State, or an agency established under a compact between States that has been approved by the Congress of the United States;

(3) The occasional transportation of personal property by individuals not for compensation nor in the furtherance of a commercial enterprise;

(4) The transportation of human corpses or sick and injured persons;

(5) The operation of fire trucks and rescue vehicles while involved in emergency and related operations;

(6)(i) The operation of commercial motor vehicles designed or used to transport between 9 and 15 passengers (including the driver), not for direct compensation, provided the vehicle does not otherwise meet the definition of a commercial motor vehicle, except that motor carriers operating such vehicles are required to comply with §§ 390.15, 390.19, and 390.21(a) and (b)(2).

(ii) The operation of commercial motor vehicles designed or used to transport between 9 and 15 passengers (including the driver) for direct compensation, provided the vehicle is not

being operated beyond a 75 air-mile radius (86.3 statute miles or 138.9 kilometers) from the driver's normal work-reporting location, and provided the vehicle does not otherwise meet the definition of a commercial motor vehicle, except that motor carriers operating such vehicles are required to comply with §§ 390.15, 390.19, and 390.21(a) and (b)(2).

(g) *Motor carriers that transport hazardous materials in intrastate commerce.* The rules in the following provisions of subchapter B of this chapter apply to motor carriers that transport hazardous materials in intrastate commerce and to the motor vehicles that transport hazardous materials in intrastate commerce:

(1) Part 385, subparts A and E, for carriers subject to the requirements of § 385.403 of this chapter.

(2) Part 386, Rules of practice for motor carrier, broker, freight forwarder, and hazardous materials proceedings, of this chapter.

(3) Part 387, Minimum Levels of Financial Responsibility for Motor Carriers, to the extent provided in § 387.3 of this chapter.

(4) Section 390.19, Motor carrier identification report, and § 390.21, Marking of CMVs, for carriers subject to the requirements of § 385.403 of this chapter. Intrastate motor carriers operating prior to January 1, 2005, are excepted from § 390.19(a)(1).

[53 FR 18052, May 19, 1988, as amended at 54 FR 12202, Mar. 24, 1989; 58 FR 33776, June 21, 1993; 59 FR 8752, Feb. 23, 1994; 59 FR 67554, Dec. 29, 1994; 62 FR 1296, Jan. 9, 1997; 63 FR 33276, June 18, 1998; 64 FR 48516, Sept. 3, 1999; 66 FR 2766, Jan. 11, 2001; 68 FR 47875, Aug. 12, 2003; 69 FR 39372, June 30, 2004]

§ 390.5 Definitions.

Unless specifically defined elsewhere, in this subchapter:

Accident means—

(1) Except as provided in paragraph (2) of this definition, an occurrence involving a commercial motor vehicle operating on a highway in interstate or intrastate commerce which results in:

(i) A fatality;

(ii) Bodily injury to a person who, as a result of the injury, immediately receives medical treatment away from the scene of the accident; or

(iii) One or more motor vehicles incurring disabling damage as a result of the accident, requiring the motor vehicle(s) to be transported away from the scene by a tow truck or other motor vehicle.

(2) The term accident does not include:

(i) An occurrence involving only boarding and alighting from a stationary motor vehicle; or

(ii) An occurrence involving only the loading or unloading of cargo.

Alcohol concentration (AC) means the concentration of alcohol in a person's blood or breath. When expressed as a percentage it means grams of alcohol per 100 milliliters of blood or grams of alcohol per 210 liters of breath.

Bus means any motor vehicle designed, constructed, and or used for the transportation of passengers, including taxicabs.

Business district means the territory contiguous to and including a highway when within any 600 feet along such highway there are buildings in use for business or industrial purposes, including but not limited to hotels, banks, or office buildings which occupy at least 300 feet of frontage on one side or 300 feet collectively on both sides of the highway.

Charter transportation of passengers means transportation, using a bus, of a group of persons who pursuant to a common purpose, under a single contract, at a fixed charge for the motor vehicle, have acquired the exclusive use of the motor vehicle to travel together under an itinerary either specified in advance or modified after having left the place of origin.

Commercial motor vehicle means any self-propelled or towed motor vehicle used on a highway in interstate commerce to transport passengers or property when the vehicle—

(1) Has a gross vehicle weight rating or gross combination weight rating, or gross vehicle weight or gross combination weight, of 4,536 kg (10,001 pounds) or more, whichever is greater; or

(2) Is designed or used to transport more than 8 passengers (including the driver) for compensation; or

(3) Is designed or used to transport more than 15 passengers, including the

driver, and is not used to transport passengers for compensation; or

(4) Is used in transporting material found by the Secretary of Transportation to be hazardous under 49 U.S.C. 5103 and transported in a quantity requiring placarding under regulations prescribed by the Secretary under 49 CFR, subtitle B, chapter I, subchapter C.

Conviction means an unvacated adjudication of guilt, or a determination that a person has violated or failed to comply with the law in a court of original jurisdiction or by an authorized administrative tribunal, an unvacated forfeiture of bail or collateral deposited to secure the person's appearance in court, a plea of guilty or nolo contendere accepted by the court, the payment of a fine or court cost, or violation of a condition of release without bail, regardless of whether or not the penalty is rebated, suspended, or probated.

Direct assistance means transportation and other relief services provided by a motor carrier or its driver(s) incident to the immediate restoration of essential services (such as, electricity, medical care, sewer, water, telecommunications, and telecommunication transmissions) or essential supplies (such as, food and fuel). It does not include transportation related to long-term rehabilitation of damaged physical infrastructure or routine commercial deliveries after the initial threat to life and property has passed.

Direct compensation means payment made to the motor carrier by the passengers or a person acting on behalf of the passengers for the transportation services provided, and not included in a total package charge or other assessment for highway transportation services.

Disabling damage means damage which precludes departure of a motor vehicle from the scene of the accident in its usual manner in daylight after simple repairs.

(1) *Inclusions.* Damage to motor vehicles that could have been driven, but would have been further damaged if so driven.

(2) *Exclusions.*

(i) Damage which can be remedied temporarily at the scene of the accident without special tools or parts.

(ii) Tire disablement without other damage even if no spare tire is available.

(iii) Headlamp or taillight damage.

(iv) Damage to turn signals, horn, or windshield wipers which makes them inoperative.

Driveaway-towaway operation means an operation in which an empty or unladen motor vehicle with one or more sets of wheels on the surface of the roadway is being transported:

(1) Between vehicle manufacturer's facilities;

(2) Between a vehicle manufacturer and a dealership or purchaser;

(3) Between a dealership, or other entity selling or leasing the vehicle, and a purchaser or lessee;

(4) To a motor carrier's terminal or repair facility for the repair of disabling damage (as defined in §390.5) following a crash; or

(5) To a motor carrier's terminal or repair facility for repairs associated with the failure of a vehicle component or system; or

(6) By means of a saddle-mount or tow-bar.

Driver means any person who operates any commercial motor vehicle.

Driving a commercial motor vehicle while under the influence of alcohol means committing any one or more of the following acts in a CMV: Driving a CMV while the person's alcohol concentration is 0.04 or more; driving under the influence of alcohol, as prescribed by State law; or refusal to undergo such testing as is required by any State or jurisdiction in the enforcement of Table 1 to §383.51 or §392.5(a)(2) of this subchapter.

Emergency means any hurricane, tornado, storm (e.g. thunderstorm, snowstorm, icestorm, blizzard, sandstorm, etc.), high water, wind-driven water, tidal wave, tsunami, earthquake, volcanic eruption, mud slide, drought, forest fire, explosion, blackout or other occurrence, natural or man-made, which interrupts the delivery of essential services (such as, electricity, medical care, sewer, water, telecommunications, and telecommunication transmissions) or essential supplies (such as,

food and fuel) or otherwise immediately threatens human life or public welfare, provided such hurricane, tornado, or other event results in:

(1) A declaration of an emergency by the President of the United States, the Governor of a State, or their authorized representatives having authority to declare emergencies; by the FMCSA Field Administrator for the geographical area in which the occurrence happens; or by other Federal, State or local government officials having authority to declare emergencies, or

(2) A request by a police officer for tow trucks to move wrecked or disabled motor vehicles.

Emergency relief means an operation in which a motor carrier or driver of a commercial motor vehicle is providing direct assistance to supplement State and local efforts and capabilities to save lives or property or to protect public health and safety as a result of an emergency as defined in this section.

Employee means any individual, other than an employer, who is employed by an employer and who in the course of his or her employment directly affects commercial motor vehicle safety. Such term includes a driver of a commercial motor vehicle (including an independent contractor while in the course of operating a commercial motor vehicle), a mechanic, and a freight handler. Such term does not include an employee of the United States, any State, any political subdivision of a State, or any agency established under a compact between States and approved by the Congress of the United States who is acting within the course of such employment.

Employer means any person engaged in a business affecting interstate commerce who owns or leases a commercial motor vehicle in connection with that business, or assigns employees to operate it, but such terms does not include the United States, any State, any political subdivision of a State, or an agency established under a compact between States approved by the Congress of the United States.

Exempt intracity zone means the geographic area of a municipality or the commercial zone of that municipality described in appendix F to subchapter

B of this chapter. The term “exempt intracity zone” does not include any municipality or commercial zone in the State of Hawaii. For purposes of §391.62, a driver may be considered to operate a commercial motor vehicle wholly within an exempt intracity zone notwithstanding any common control, management, or arrangement for a continuous carriage or shipment to or from a point without such zone.

Exempt motor carrier means a person engaged in transportation exempt from economic regulation by the Federal Motor Carrier Safety Administration (FMCSA) under 49 U.S.C. 13506. “Exempt motor carriers” are subject to the safety regulations set forth in this subchapter.

Farm vehicle driver means a person who drives only a commercial motor vehicle that is—

(a) Controlled and operated by a farmer as a private motor carrier of for property;

(b) Being used to transport either—
 (1) Agricultural products, or
 (2) Farm machinery, farm supplies, or both, to or from a farm;

(c) Not being used in the operation of a for-hire motor carrier;

(d) Not carrying hazardous materials of a type or quantity that requires the commercial motor vehicle to be placarded in accordance with §177.823 of this subtitle; and

(e) Being used within 150 air-miles of the farmer’s farm.

Farmer means any person who operates a farm or is directly involved in the cultivation of land, crops, or livestock which—

(a) Are owned by that person; or

(b) Are under the direct control of that person.

Fatality means any injury which results in the death of a person at the time of the motor vehicle accident or within 30 days of the accident.

Federal Motor Carrier Safety Administrator means the chief executive of the Federal Motor Carrier Safety Administration, an agency within the Department of Transportation.

For-hire motor carrier means a person engaged in the transportation of goods or passengers for compensation.

Gross combination weight rating (GCWR) means the value specified by

the manufacturer as the loaded weight of a combination (articulated) motor vehicle. In the absence of a value specified by the manufacturer, GCWR will be determined by adding the GVWR of the power unit and the total weight of the towed unit and any load thereon.

Gross vehicle weight rating (GVWR) means the value specified by the manufacturer as the loaded weight of a single motor vehicle.

Hazardous material means a substance or material which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, and property when transported in commerce, and which has been so designated.

Hazardous substance means a material, and its mixtures or solutions, that is identified in the appendix to §172.101, List of Hazardous Substances and Reportable Quantities, of this title when offered for transportation in one package, or in one transport motor vehicle if not packaged, and when the quantity of the material therein equals or exceeds the reportable quantity (RQ). This definition does not apply to petroleum products that are lubricants or fuels, or to mixtures or solutions of hazardous substances if in a concentration less than that shown in the table in §171.8 of this title, based on the reportable quantity (RQ) specified for the materials listed in the appendix to §172.101.

Hazardous waste means any material that is subject to the hazardous waste manifest requirements of the EPA specified in 40 CFR part 262 or would be subject to these requirements absent an interim authorization to a State under 40 CFR part 123, subpart F.

Highway means any road, street, or way, whether on public or private property, open to public travel. "Open to public travel" means that the road section is available, except during scheduled periods, extreme weather or emergency conditions, passable by four-wheel standard passenger cars, and open to the general public for use without restrictive gates, prohibitive signs, or regulation other than restrictions based on size, weight, or class of registration. Toll plazas of public toll roads are not considered restrictive gates.

Interstate commerce means trade, traffic, or transportation in the United States—

(1) Between a place in a State and a place outside of such State (including a place outside of the United States);

(2) Between two places in a State through another State or a place outside of the United States; or

(3) Between two places in a State as part of trade, traffic, or transportation originating or terminating outside the State or the United States.

Intrastate commerce means any trade, traffic, or transportation in any State which is not described in the term "interstate commerce."

Medical examiner means a person who is licensed, certified, and/or registered, in accordance with applicable State laws and regulations, to perform physical examinations. The term includes but is not limited to, doctors of medicine, doctors of osteopathy, physician assistants, advanced practice nurses, and doctors of chiropractic.

Motor carrier means a for-hire motor carrier or a private motor carrier. The term includes a motor carrier's agents, officers and representatives as well as employees responsible for hiring, supervising, training, assigning, or dispatching of drivers and employees concerned with the installation, inspection, and maintenance of motor vehicle equipment and/or accessories. For purposes of subchapter B, this definition includes the terms *employer*, and *exempt motor carrier*.

Motor vehicle means any vehicle, machine, tractor, trailer, or semitrailer propelled or drawn by mechanical power and used upon the highways in the transportation of passengers or property, or any combination thereof determined by the Federal Motor Carrier Safety Administration, but does not include any vehicle, locomotive, or car operated exclusively on a rail or rails, or a trolley bus operated by electric power derived from a fixed overhead wire, furnishing local passenger transportation similar to street-railway service.

Multiple-employer driver means a driver, who in any period of 7 consecutive days, is employed or used as a driver by more than one motor carrier.

Operator—See driver.

Other terms—Any other term used in this subchapter is used in its commonly accepted meaning, except where such other term has been defined elsewhere in this subchapter. In that event, the definition therein given shall apply.

Out-of-service order means a declaration by an authorized enforcement officer of a Federal, State, Canadian, Mexican, or local jurisdiction that a driver, a commercial motor vehicle, or a motor carrier operation, is out-of-service pursuant to §§ 386.72, 392.5, 395.13, 396.9, or compatible laws, or the North American Uniform Out-of-Service Criteria.

Person means any individual, partnership, association, corporation, business trust, or any other organized group of individuals.

Previous employer means any DOT regulated person who employed the driver in the preceding 3 years, including any possible current employer.

Principal place of business means the single location designated by the motor carrier, normally its headquarters, for purposes of identification under this subchapter. The motor carrier must make records required by parts 382, 387, 390, 391, 395, 396, and 397 of this subchapter available for inspection at this location within 48 hours (Saturdays, Sundays, and Federal holidays excluded) after a request has been made by a special agent or authorized representative of the Federal Motor Carrier Safety Administration.

Private motor carrier means a person who provides transportation of property or passengers, by commercial motor vehicle, and is not a for-hire motor carrier.

Private motor carrier of passengers (business) means a private motor carrier engaged in the interstate transportation of passengers which is provided in the furtherance of a commercial enterprise and is not available to the public at large.

Private motor carrier of passengers (nonbusiness) means private motor carrier involved in the interstate transportation of passengers that does not otherwise meet the definition of a private motor carrier of passengers (business).

Radar detector means any device or mechanism to detect the emission of radio microwaves, laser beams or any other future speed measurement technology employed by enforcement personnel to measure the speed of commercial motor vehicles upon public roads and highways for enforcement purposes. Excluded from this definition are radar detection devices that meet both of the following requirements:

(1) Transported outside the driver's compartment of the commercial motor vehicle. For this purpose, the driver's compartment of a passenger-carrying CMV shall include all space designed to accommodate both the driver and the passengers; and

(2) Completely inaccessible to, inoperable by, and imperceptible to the driver while operating the commercial motor vehicle.

Regional Director of Motor Carriers means the Field Administrator, Federal Motor Carrier Safety Administration, for a given geographical area of the United States.

Residential district means the territory adjacent to and including a highway which is not a business district and for a distance of 300 feet or more along the highway is primarily improved with residences.

School bus means a passenger motor vehicle which is designed or used to carry more than 10 passengers in addition to the driver, and which the Secretary determines is likely to be significantly used for the purpose of transporting preprimary, primary, or secondary school students to such schools from home or from such schools to home.

School bus operation means the use of a school bus to transport only school children and/or school personnel from home to school and from school to home.

Secretary means the Secretary of Transportation.

Single-employer driver means a driver who, in any period of 7 consecutive days, is employed or used as a driver solely by a single motor carrier. This term includes a driver who operates a commercial motor vehicle on an intermittent, casual, or occasional basis.

Special agent See appendix B to subchapter B—Special agents.

State means a State of the United States and the District of Columbia and includes a political subdivision of a State.

Trailer includes:

(a) *Full trailer* means any motor vehicle other than a pole trailer which is designed to be drawn by another motor vehicle and so constructed that no part of its weight, except for the towing device, rests upon the self-propelled towing motor vehicle. A semitrailer equipped with an auxiliary front axle (converter dolly) shall be considered a full trailer.

(b) *Pole trailer* means any motor vehicle which is designed to be drawn by another motor vehicle and attached to the towing motor vehicle by means of a “reach” or “pole,” or by being “boomed” or otherwise secured to the towing motor vehicle, for transporting long or irregularly shaped loads such as poles, pipes, or structural members, which generally are capable of sustaining themselves as beams between the supporting connections.

(c) *Semitrailer* means any motor vehicle, other than a pole trailer, which is designed to be drawn by another motor vehicle and is constructed so that some part of its weight rests upon the self-propelled towing motor vehicle.

Truck means any self-propelled commercial motor vehicle except a truck tractor, designed and/or used for the transportation of property.

Truck tractor means a self-propelled commercial motor vehicle designed and/or used primarily for drawing other vehicles.

United States means the 50 States and the District of Columbia.

[53 FR 18052, May 19, 1988]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 390.5, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 390.7 Rules of construction.

(a) In part 325 of subchapter A and in this subchapter, unless the context requires otherwise:

(1) Words imparting the singular include the plural;

(2) Words imparting the plural include the singular;

(3) Words imparting the present tense include the future tense.

(b) In this subchapter the word—

(1) *Officer* includes any person authorized by law to perform the duties of the office;

(2) *Writing* includes printing and typewriting;

(3) *Shall* is used in an imperative sense;

(4) *Must* is used in an imperative sense;

(5) *Should* is used in a recommendatory sense;

(6) *May* is used in a permissive sense; and

(7) *Includes* is used as a word of inclusion, not limitation.

[53 FR 18052, May 19, 1988, as amended at 60 FR 38744, July 28, 1995]

Subpart B—General Requirements and Information

§ 390.9 State and local laws, effect on.

Except as otherwise specifically indicated, subchapter B of this chapter is not intended to preclude States or subdivisions thereof from establishing or enforcing State or local laws relating to safety, the compliance with which would not prevent full compliance with these regulations by the person subject thereto.

§ 390.11 Motor carrier to require observance of driver regulations.

Whenever in part 325 of subchapter A or in this subchapter a duty is prescribed for a driver or a prohibition is imposed upon the driver, it shall be the duty of the motor carrier to require observance of such duty or prohibition. If the motor carrier is a driver, the driver shall likewise be bound.

§ 390.13 Aiding or abetting violations.

No person shall aid, abet, encourage, or require a motor carrier or its employees to violate the rules of this chapter.

§ 390.15 Assistance in investigations and special studies.

(a) A motor carrier must make all records and information pertaining to an accident available to an authorized representative or special agent of the

Federal Motor Carrier Safety Administration, an authorized State or local enforcement agency representative or authorized third party representative, upon request or as part of any investigation within such time as the request or investigation may specify. A motor carrier shall give an authorized representative all reasonable assistance in the investigation of any accident including providing a full, true and correct response to any question of the inquiry.

(b) For accidents that occur after April 29, 2003, motor carriers must maintain an accident register for three years after the date of each accident. For accidents that occurred on or prior to April 29, 2003, motor carriers must maintain an accident register for a period of one year after the date of each accident. Information placed in the accident register must contain at least the following:

- (1) A list of accidents as defined at §390.5 of this chapter containing for each accident:
 - (i) Date of accident.
 - (ii) City or town, or most near, where the accident occurred and the State where the accident occurred.
 - (iii) Driver Name.
 - (iv) Number of injuries.
 - (v) Number of fatalities.
 - (vi) Whether hazardous materials, other than fuel spilled from the fuel tanks of motor vehicle involved in the accident, were released.

(2) Copies of all accident reports required by State or other governmental entities or insurers.

(Approved by the Office of Management and Budget under control number 2126-0009)

[69 FR 16719, Mar. 30, 2004]

§ 390.16 [Reserved]

§ 390.17 Additional equipment and accessories.

Nothing in this subchapter shall be construed to prohibit the use of additional equipment and accessories, not inconsistent with or prohibited by this subchapter, provided such equipment and accessories do not decrease the

safety of operation of the commercial motor vehicles on which they are used.

[53 FR 18052, May 19, 1988, as amended at 60 FR 38744, July 28, 1995. Redesignated at 65 FR 35296, June 2, 2000]

§ 390.19 Motor carrier identification report.

(a) Each motor carrier that conducts operations in interstate commerce (or intrastate commerce if the carrier requires a Safety Permit as per §385.400 of this chapter) must file a Motor Carrier Identification Report, Form MCS-150, or the Combined Motor Carrier Identification Report and HM Permit Application, Form MCS-150B for permitted carriers, at the following times:

- (1) Before it begins operations; and
- (2) Every 24 months, according to the following schedule:

USDOT Number ending in	Must file by last day of;
1	January
2	February
3	March
4	April
5	May
6	June
7	July
8	August
9	September
0	October

(3) If the next-to-last digit of its USDOT number is odd, the motor carrier shall file its update in every odd-numbered calendar year. If the next-to-last digit of the USDOT number is even, the motor carrier shall file its update in every even-numbered calendar year.

(b) The Motor Carrier Identification Report, Form MCS-150, and the Combined Motor Carrier Identification Report and HM Permit Application, Form MCS-150B, with complete instructions, are available from the FMCSA Web site at: <http://www.fmcsa.dot.gov> (Keyword "MCS-150" or "MCS-150B"); from all FMCSA Service Centers and Division offices nationwide; or by calling 1-800-832-5660.

(c) The completed Motor Carrier Identification Report, Form MCS-150, or Combined Motor Carrier Identification Report and HM Permit Application, Form MCS-150B, must be filed with FMCSA Office of Information Management.

(1) The form may be filed electronically according to the instructions at the agency’s web site, or it may be sent to Federal Motor Carrier Safety Administration, Data Analysis and Information Systems, MC-PSDRIS, 400 Seventh Street, SW, Washington, DC 20590.

(2) A for-hire motor carrier should submit the Form MCS–150, or Form MCS–150B, along with its application for operating authority (Form OP–1 or OP–2), to the appropriate address referenced on that form, or may submit it electronically or by mail separately to the address mentioned in this section.

(d) Only the legal name or a single trade name of the motor carrier may be used on the motor carrier identification report (Form MCS–150 or MCS–150B).

(e) A motor carrier that fails to file a Motor Carrier Identification Report, Form MCS–150, or the Combined Motor Carrier Identification Report and HM Permit Application, Form MCS–150B, or furnishes misleading information or makes false statements upon Form MCS–150 or Form MCS–150B, is subject to the penalties prescribed in 49 U.S.C. 521(b)(2)(B).

(f) Upon receipt and processing of the Motor Carrier Identification Report, Form MCS–150, or the Combined Motor Carrier Identification Report and HM Permit Application, Form MCS–150B, the FMCSA will issue the motor carrier an identification number (USDOT Number). The motor carrier must display the number on each self-propelled CMV, as defined in §390.5, along with the additional information required by §390.21.

(g) A motor carrier that registers its vehicles in a State that participates in the Performance and Registration Information Systems Management (PRISM) program (authorized under section 4004 of the Transportation Equity Act for the 21st Century [(Public Law 105–178, 112 Stat. 107)] is exempt from the requirements of this section, provided it files all the required information with the appropriate State office.

[Approved by the Office of Management and Budget under control number 2126–0013]

[65 FR 35296, June 2, 2000, as amended at 65 FR 70514, Nov. 24, 2000; 67 FR 9416, Mar. 1, 2002; 69 FR 39372, June 30, 2004]

§ 390.21 Marking of CMVs.

(a) *General.* Every self-propelled CMV, as defined in §390.5, subject to subchapter B of this chapter must be marked as specified in paragraphs (b), (c), and (d) of this section.

(b) *Nature of marking.* The marking must display the following information:

(1) The legal name or a single trade name of the motor carrier operating the self-propelled CMV, as listed on the motor carrier identification report (Form MCS–150) and submitted in accordance with §390.19.

(2) The motor carrier identification number issued by the FMCSA, preceded by the letters “USDOT”.

(3) If the name of any person other than the operating carrier appears on the CMV, the name of the operating carrier must be followed by the information required by paragraphs (b)(1), and (2) of this section, and be preceded by the words “operated by.”

(4) Other identifying information may be displayed on the vehicle if it is not inconsistent with the information required by this paragraph.

(5) Each motor carrier shall meet the following requirements pertaining to its operation:

(i) All CMVs that are part of a motor carrier’s existing fleet on July 3, 2000, and which are marked with an ICCMC number must come into compliance with paragraph (b)(2) of this section by July 3, 2002.

(ii) All CMVs that are part of a motor carrier’s existing fleet on July 3, 2000, and which are not marked with the legal name or a single trade name on both sides of their CMVs, as shown on the Motor Carrier Identification Report, Form MCS–150, must come into compliance with paragraph (b)(1) of this section by July 5, 2005.

(iii) All CMVs added to a motor carrier’s fleet on or after July 3, 2000, must meet the requirements of this section before being put into service and operating on public ways.

(c) *Size, shape, location, and color of marking.* The marking must—

(1) Appear on both sides of the self-propelled CMV;

(2) Be in letters that contrast sharply in color with the background on which the letters are placed;

(3) Be readily legible, during daylight hours, from a distance of 50 feet (15.24 meters) while the CMV is stationary; and

(4) Be kept and maintained in a manner that retains the legibility required by paragraph (c)(3) of this section.

(d) *Construction and durability.* The marking may be painted on the CMV or may consist of a removable device, if that device meets the identification and legibility requirements of paragraph (c) of this section, and such marking must be maintained as required by paragraph (c)(4) of this section.

(e) *Rented CMVs.* A motor carrier operating a self-propelled CMV under a rental agreement having a term not in excess of 30 calendar days meets the requirements of this section if:

(1) The CMV is marked in accordance with the provisions of paragraphs (b) through (d) of this section; or

(2) The CMV is marked as set forth in paragraph (e)(2)(i) through (iv) of this section:

(i) The legal name or a single trade name of the lessor is displayed in accordance with paragraphs (c) and (d) of this section.

(ii) The lessor's identification number preceded by the letters "USDOT" is displayed in accordance with paragraphs (c) and (d) of this section; and

(iii) The rental agreement entered into by the lessor and the renting motor carrier conspicuously contains the following information:

(A) The name and complete physical address of the principal place of business of the renting motor carrier;

(B) The identification number issued the renting motor carrier by the FMCSA, preceded by the letters "USDOT," if the motor carrier has been issued such a number. In lieu of the identification number required in this paragraph, the following may be shown in the rental agreement:

(1) Information which indicates whether the motor carrier is engaged in "interstate" or "intrastate" commerce; and

(2) Information which indicates whether the renting motor carrier is transporting hazardous materials in the rented CMV;

(C) The sentence: "This lessor cooperates with all Federal, State, and local law enforcement officials nationwide to provide the identity of customers who operate this rental CMV"; and

(iv) The rental agreement entered into by the lessor and the renting motor carrier is carried on the rental CMV during the full term of the rental agreement. See the leasing regulations at 49 CFR 376 for information that should be included in all leasing documents.

(f) *Driveaway services.* In driveaway services, a removable device may be affixed on both sides or at the rear of a single driven vehicle. In a combination driveaway operation, the device may be affixed on both sides of any one unit or at the rear of the last unit. The removable device must display the legal name or a single trade name of the motor carrier and the motor carrier's USDOT number.

[65 FR 35296, June 2, 2000]

§ 390.23 Relief from regulations.

(a) Parts 390 through 399 of this chapter shall not apply to any motor carrier or driver operating a commercial motor vehicle to provide emergency relief during an emergency, subject to the following time limits:

(1) *Regional emergencies.* (i) The exemption provided by paragraph (a)(1) of this section is effective only when:

(A) An emergency has been declared by the President of the United States, the Governor of a State, or their authorized representatives having authority to declare emergencies; or

(B) The FMCSA Field Administrator has declared that a regional emergency exists which justifies an exemption from parts 390 through 399 of this chapter.

(ii) Except as provided in § 390.25, this exemption shall not exceed the duration of the motor carrier's or driver's direct assistance in providing emergency relief, or 30 days from the date of the initial declaration of the emergency or the exemption from the regulations by the FMCSA Field Administrator, whichever is less.

(2) *Local emergencies.* (i) The exemption provided by paragraph (a)(2) of this section is effective only when:

(A) An emergency has been declared by a Federal, State or local government official having authority to declare an emergency; or

(B) The FMCSA Field Administrator has declared that a local emergency exists which justifies an exemption from parts 390 through 399 of this chapter.

(ii) This exemption shall not exceed the duration of the motor carrier's or driver's direct assistance in providing emergency relief, or 5 days from the date of the initial declaration of the emergency or the exemption from the regulations by the FMCSA Field Administrator, whichever is less.

(3) *Tow trucks responding to emergencies.* (i) The exemption provided by paragraph (a)(3) of this section is effective only when a request has been made by a Federal, State or local police officer for tow trucks to move wrecked or disabled motor vehicles.

(ii) This exemption shall not exceed the length of the motor carrier's or driver's direct assistance in providing emergency relief, or 24 hours from the time of the initial request for assistance by the Federal, State or local police officer, whichever is less.

(b) Upon termination of direct assistance to the regional or local emergency relief effort, the motor carrier or driver is subject to the requirements of parts 390 through 399 of this chapter, with the following exception: A driver may return empty to the motor carrier's terminal or the driver's normal work reporting location without complying with parts 390 through 399 of this chapter. However, a driver who informs the motor carrier that he or she needs immediate rest must be permitted at least 10 consecutive hours off duty before the driver is required to return to such terminal or location. Having returned to the terminal or other location, the driver must be relieved of all duty and responsibilities. Direct assistance terminates when a driver or commercial motor vehicle is used in interstate commerce to transport cargo not destined for the emergency relief effort, or when the motor carrier dispatches such driver or commercial motor vehicle to another location to begin operations in commerce.

(c) When the driver has been relieved of all duty and responsibilities upon

termination of direct assistance to a regional or local emergency relief effort, no motor carrier shall permit or require any driver used by it to drive nor shall any such driver drive in commerce until:

(1) The driver has met the requirements of §§ 395.3(a) and 395.5(a) of this chapter; and

(2) The driver has had at least 34 consecutive hours off-duty when:

(i) The driver has been on duty for more than 60 hours in any 7 consecutive days at the time the driver is relieved of all duty if the employing motor carrier does not operate every day in the week, or

(ii) The driver has been on duty for more than 70 hours in any 8 consecutive days at the time the driver is relieved of all duty if the employing motor carrier operates every day in the week.

[57 FR 33647, July 30, 1992, as amended at 60 FR 38744, July 28, 1995; 68 FR 22514, Apr. 28, 2003; 70 FR 50070, Aug. 25, 2005]

§ 390.25 Extension of relief from regulations—emergencies.

The FMCSA Field Administrator may extend the 30-day time period of the exemption contained in § 390.23(a)(1), but not the 5-day time period contained in § 390.23(a)(2) or the 24-hour period contained in § 390.23(a)(3). Any motor carrier or driver seeking to extend the 30-day limit shall obtain approval from the FMCSA Field Administrator in the region in which the motor carrier's principal place of business is located before the expiration of the 30-day period. The motor carrier or driver shall give full details of the additional relief requested. The FMCSA Field Administrator shall determine if such relief is necessary taking into account both the severity of the ongoing emergency and the nature of the relief services to be provided by the carrier or driver. If the FMCSA Field Administrator approves an extension of the exemption, he or she shall establish a new time limit and place on the motor carrier or driver any other restrictions deemed necessary.

[57 FR 33647, July 30, 1992]

§ 390.27 Locations of motor carrier safety service centers.

Service center	Territory included	Location of office
Eastern	CT, DC, DE, MA, MD, ME, NJ, NH, NY, PA, PR, RI, VA, VT, Virgin Islands, WV.	City Crescent Building, #10 South Howard Street, Suite 4000, Baltimore, MD 21201-2819.
Midwestern	IA, IL, IN, KS, MI, MO, MN, NE, OH, WI	19900 Governors Drive, Suite 210, Olympia Fields, IL 60461-1021.
Southern	AL, AR, FL, GA, KY, LA, MS, NC, NM, OK, SC, TN, TX.	61 Forsyth Street, SW, Suite 17T75, Atlanta, GA 30303-3104.
Western	American Samoa, AK, AZ, CA, CO, Guam, HI, ID, Mariana Islands, MT, ND, NV, OR, SD, UT, WA, WY.	201 Mission Street, Suite 2100, San Francisco, CA 94105-1838.

NOTE 1: Canadian carriers, for information regarding proper service center, contact a FMCSA division (State) office in AK, ME, MI, MT, NY, ND, VT, or WA.

NOTE 2: Mexican carriers, for information regarding proper service center, contact a FMCSA division (State) office in AZ, CA, NM, or TX.

[65 FR 35297, June 2, 2000, as amended at 67 FR 61824, Oct. 2, 2002; 67 FR 63019, Oct. 9, 2002]

§ 390.29 Location of records or documents.

(a) A motor carrier with multiple offices or terminals may maintain the records and documents required by this subchapter at its principal place of business, a regional office, or driver work-reporting location unless otherwise specified in this subchapter.

(b) All records and documents required by this subchapter which are maintained at a regional office or driver work-reporting location shall be made available for inspection upon request by a special agent or authorized representative of the Federal Motor Carrier Safety Administration at the motor carrier's principal place of business or other location specified by the agent or representative within 48 hours after a request is made. Saturdays, Sundays, and Federal holidays are excluded from the computation of the 48-hour period of time.

[63 FR 33276, June 18, 1998]

§ 390.31 Copies of records or documents.

(a) All records and documents required to be maintained under this subchapter must be preserved in their original form for the periods specified, unless the records and documents are suitably photographed and the microfilm is retained in lieu of the original record for the required retention period.

(b) To be acceptable in lieu of original records, photographic copies of

records must meet the following minimum requirements:

(1) Photographic copies shall be no less readily accessible than the original record or document as normally filed or preserved would be and suitable means or facilities shall be available to locate, identify, read, and reproduce such photographic copies.

(2) Any significant characteristic, feature or other attribute of the original record or document, which photography in black and white will not preserve, shall be clearly indicated before the photograph is made.

(3) The reverse side of printed forms need not be copied if nothing has been added to the printed matter common to all such forms, but an identified specimen of each form shall be on the film for reference.

(4) Film used for photographing copies shall be of permanent record-type meeting in all respects the minimum specifications of the National Bureau of Standards, and all processes recommended by the manufacturer shall be observed to protect it from deterioration or accidental destruction.

(5) Each roll of film shall include a microfilm of a certificate or certificates stating that the photographs are direct or facsimile reproductions of the original records. Such certificate(s) shall be executed by a person or persons having personal knowledge of the material covered thereby.

(c) All records and documents required to be maintained under this subchapter may be destroyed after they

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have been suitably photographed for preservation.

(d) *Exception.* All records except those requiring a signature may be maintained through the use of computer technology provided the motor carrier can produce, upon demand, a computer printout of the required data.

§ 390.33 Commercial motor vehicles used for purposes other than defined.

Whenever a commercial motor vehicle of one type is used to perform the functions normally performed by a commercial motor vehicle of another type, the requirements of this subchapter and part 325 of subchapter A shall apply to the commercial motor vehicle and to its operation in the same manner as though the commercial motor vehicle were actually a commercial motor vehicle of the latter type. *Example:* If a commercial motor vehicle other than a bus is used to perform the functions normally performed by a bus, the regulations pertaining to buses and to the transportation of passengers shall apply to that commercial motor vehicle.

[53 FR 18052, May 19, 1988, as amended at 60 FR 38744, July 28, 1995]

§ 390.35 Certificates, reports, and records: Falsification, reproduction, or alteration.

No motor carrier, its agents, officers, representatives, or employees shall make or cause to make—

(a) A fraudulent or intentionally false statement on any application, certificate, report, or record required by part 325 of subchapter A or this subchapter;

(b) A fraudulent or intentionally false entry on any application, certificate, report, or record required to be used, completed, or retained, to comply with any requirement of this subchapter or part 325 of subchapter A; or

(c) A reproduction, for fraudulent purposes, of any application, certificate, report, or record required by this subchapter or part 325 of subchapter A.

§ 390.37 Violation and penalty.

Any person who violates the rules set forth in this subchapter or part 325 of

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subchapter A may be subject to civil or criminal penalties.

Subpart C [Reserved]

PART 391—QUALIFICATIONS OF DRIVERS AND LONGER COMBINATION VEHICLE (LCV) DRIVER INSTRUCTORS

Subpart A—General

Sec.

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391.2 General exemptions.

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- 391.63 Multiple-employer drivers.
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- 391.67 Farm vehicle drivers of articulated commercial motor vehicles.
- 391.68 Private motor carrier of passengers (nonbusiness).
- 391.69 Private motor carrier of passengers (business).
- 391.71 [Reserved]

AUTHORITY: 49 U.S.C. 322, 504, 508, 31133, 31136 and 31502; Sec. 4007(b) of Pub. L. 102-240 (105 Stat. 2152); Sec. 114, Pub. L. 103-311 (108 Stat. 1673, 1677); and 49 CFR 1.73.

SOURCE: 35 FR 6460, Apr. 22, 1970, unless otherwise noted.

EDITORIAL NOTE: Nomenclature changes to part 391 appear at 66 FR 49873, Oct. 1, 2001.

Subpart A—General

§ 391.1 Scope of the rules in this part; additional qualifications; duties of carrier-drivers.

(a) The rules in this part establish minimum qualifications for persons who drive commercial motor vehicles as, for, or on behalf of motor carriers. The rules in this part also establish minimum duties of motor carriers with respect to the qualifications of their drivers.

(b) A motor carrier who employs himself/herself as a driver must comply with both the rules in this part that apply to motor carriers and the rules in this part that apply to drivers.

[35 FR 6460, Apr. 22, 1970, as amended at 53 FR 18057, May 19, 1988; 60 FR 38744, July 28, 1995]

§ 391.2 General exemptions.

(a) *Farm custom operation.* The rules in this part do not apply to a driver who drives a commercial motor vehicle controlled and operated by a person engaged in custom-harvesting operations, if the commercial motor vehicle is used to—

- (1) Transport farm machinery, supplies, or both, to or from a farm for custom-harvesting operations on a farm; or
- (2) Transport custom-harvested crops to storage or market.

(b) *Apiarian industries.* The rules in this part do not apply to a driver who

is operating a commercial motor vehicle controlled and operated by a beekeeper engaged in the seasonal transportation of bees.

(c) *Certain farm vehicle drivers.* The rules in this part do not apply to a farm vehicle driver except a farm vehicle driver who drives an articulated (combination) commercial motor vehicle, as defined in §390.5. (For limited exemptions for farm vehicle drivers of articulated commercial motor vehicles, see §391.67.)

[36 FR 24219, Dec. 22, 1971, as amended at 37 FR 26112, Dec. 8, 1972; 54 FR 12202, Mar. 24, 1989; 60 FR 38745, July 28, 1995; 61 FR 13346, Mar. 26, 1996; 61 FR 17253, Apr. 19, 1996]

Subpart B—Qualification and Disqualification of Drivers

§ 391.11 General qualifications of drivers.

(a) A person shall not drive a commercial motor vehicle unless he/she is qualified to drive a commercial motor vehicle. Except as provided in §391.63, a motor carrier shall not require or permit a person to drive a commercial motor vehicle unless that person is qualified to drive a commercial motor vehicle.

(b) Except as provided in subpart G of this part, a person is qualified to drive a motor vehicle if he/she—

- (1) Is at least 21 years old;
- (2) Can read and speak the English language sufficiently to converse with the general public, to understand highway traffic signs and signals in the English language, to respond to official inquiries, and to make entries on reports and records;
- (3) Can, by reason of experience, training, or both, safely operate the type of commercial motor vehicle he/she drives;
- (4) Is physically qualified to drive a commercial motor vehicle in accordance with subpart E—Physical Qualifications and Examinations of this part;
- (5) Has a currently valid commercial motor vehicle operator's license issued only by one State or jurisdiction;
- (6) Has prepared and furnished the motor carrier that employs him/her with the list of violations or the certificate as required by §391.27;

(7) Is not disqualified to drive a commercial motor vehicle under the rules in § 391.15; and

(8) Has successfully completed a driver's road test and has been issued a certificate of driver's road test in accordance with § 391.31, or has presented an operator's license or a certificate of road test which the motor carrier that employs him/her has accepted as equivalent to a road test in accordance with § 391.33.

[35 FR 6460, Apr. 22, 1970, as amended at 35 FR 17420, Nov. 13, 1970; 35 FR 19181, Dec. 18, 1970; 36 FR 222, Jan. 7, 1971, 36 FR 24220, Dec. 22, 1971; 45 FR 46424, July 10, 1980; 52 FR 20589, June 1, 1987; 59 FR 60323, Nov. 23, 1994; 60 FR 38744, 38745, July 28, 1995; 63 FR 33276, June 18, 1998]

§ 391.13 Responsibilities of drivers.

In order to comply with the requirements of § 392.9(a) and § 393.9 of this subchapter, a motor carrier shall not require or permit a person to drive a commercial motor vehicle unless the person—

(a) Can, by reason of experience, training, or both, determine whether the cargo he/she transports (including baggage in a passenger-carrying commercial motor vehicle) has been properly located, distributed, and secured in or on the commercial motor vehicle he/she drives;

(b) Is familiar with methods and procedures for securing cargo in or on the commercial motor vehicle he/she drives.

[63 FR 33277, June 18, 1998]

§ 391.15 Disqualification of drivers.

(a) *General.* A driver who is disqualified shall not drive a commercial motor vehicle. A motor carrier shall not require or permit a driver who is disqualified to drive a commercial motor vehicle.

(b) *Disqualification for loss of driving privileges.* (1) A driver is disqualified for the duration of the driver's loss of his/her privilege to operate a commercial motor vehicle on public highways, either temporarily or permanently, by reason of the revocation, suspension, withdrawal, or denial of an operator's license, permit, or privilege, until that operator's license, permit, or privilege is restored by the authority that re-

voked, suspended, withdrew, or denied it.

(2) A driver who receives a notice that his/her license, permit, or privilege to operate a commercial motor vehicle has been revoked, suspended, or withdrawn shall notify the motor carrier that employs him/her of the contents of the notice before the end of the business day following the day the driver received it.

(c) *Disqualification for criminal and other offenses—* (1) *General rule.* A driver who is convicted of (or forfeits bond or collateral upon a charge of) a disqualifying offense specified in paragraph (c)(2) of this section is disqualified for the period of time specified in paragraph (c)(3) of this section, if—

(i) The offense was committed during on-duty time as defined in § 395.2(a) of this subchapter or as otherwise specified; and

(ii) The driver is employed by a motor carrier or is engaged in activities that are in furtherance of a commercial enterprise in interstate, intrastate, or foreign commerce;

(2) *Disqualifying offenses.* The following offenses are disqualifying offenses:

(i) Driving a commercial motor vehicle while under the influence of alcohol. This shall include:

(A) Driving a commercial motor vehicle while the person's alcohol concentration is 0.04 percent or more;

(B) Driving under the influence of alcohol, as prescribed by State law; or

(C) Refusal to undergo such testing as is required by any State or jurisdiction in the enforcement of § 391.15(c)(2)(i) (A) or (B), or § 392.5(a)(2).

(ii) Driving a commercial motor vehicle under the influence of a 21 CFR 1308.11 *Schedule I* identified controlled substance, an amphetamine, a narcotic drug, a formulation of an amphetamine, or a derivative of a narcotic drug;

(iii) Transportation, possession, or unlawful use of a 21 CFR 1308.11 *Schedule I* identified controlled substance, amphetamines, narcotic drugs, formulations of an amphetamine, or derivatives of narcotic drugs while the driver is on duty, as the term on-duty time is defined in § 395.2 of this subchapter;

(iv) Leaving the scene of an accident while operating a commercial motor vehicle; or

(v) A felony involving the use of a commercial motor vehicle.

(3) *Duration of disqualification*—(i) *First offenders.* A driver is disqualified for 1 year after the date of conviction or forfeiture of bond or collateral if, during the 3 years preceding that date, the driver was not convicted of, or did not forfeit bond or collateral upon a charge of an offense that would disqualify the driver under the rules of this section. Exemption. The period of disqualification is 6 months if the conviction or forfeiture of bond or collateral solely concerned the transportation or possession of substances named in paragraph (c)(2)(iii) of this section.

(ii) *Subsequent offenders.* A driver is disqualified for 3 years after the date of his/her conviction or forfeiture of bond or collateral if, during the 3 years preceding that date, he/she was convicted of, or forfeited bond or collateral upon a charge of, an offense that would disqualify him/her under the rules in this section.

(d) *Disqualification for violation of out-of-service orders*—(1) *General rule.* A driver who is convicted of violating an out-of-service order is disqualified for the period of time specified in paragraph (d)(2) of this section.

(2) *Duration of disqualification for violation of out-of-service orders*—(i) *First violation.* A driver is disqualified for not less than 90 days nor more than one year if the driver is convicted of a first violation of an out-of-service order.

(ii) *Second violation.* A driver is disqualified for not less than one year nor more than five years if, during any 10-year period, the driver is convicted of two violations of out-of-service orders in separate incidents.

(iii) *Third or subsequent violation.* A driver is disqualified for not less than three years nor more than five years if, during any 10-year period, the driver is convicted of three or more violations of out-of-service orders in separate incidents.

(iv) *Special rule for hazardous materials and passenger offenses.* A driver is disqualified for a period of not less than 180 days nor more than two years if the driver is convicted of a first violation

of an out-of-service order while transporting hazardous materials required to be placarded under the Hazardous Materials Transportation Act (49 U.S.C. 5101 *et seq.*), or while operating commercial motor vehicles designed to transport more than 15 passengers, including the driver. A driver is disqualified for a period of not less than three years nor more than five years if, during any 10-year period, the driver is convicted of any subsequent violations of out-of-service orders, in separate incidents, while transporting hazardous materials required to be placarded under the Hazardous Materials Transportation Act, or while operating commercial motor vehicles designed to transport more than 15 passengers, including the driver.

[37 FR 24902, Nov. 23, 1972, as amended at 49 FR 44215, Nov. 5, 1984; 51 FR 8200, Mar. 10, 1986; 53 FR 18057, May 19, 1988; 53 FR 39051, Oct. 4, 1988; 54 FR 40788, Oct. 3, 1989; 59 FR 26028, May 18, 1994; 60 FR 38744, 38745, July 28, 1995; 62 FR 37152, July 11, 1997; 63 FR 33277, June 18, 1998]

Subpart C—Background and Character

§ 391.21 Application for employment.

(a) Except as provided in subpart G of this part, a person shall not drive a commercial motor vehicle unless he/she has completed and furnished the motor carrier that employs him/her with an application for employment that meets the requirements of paragraph (b) of this section.

(b) The application for employment shall be made on a form furnished by the motor carrier. Each application form must be completed by the applicant, must be signed by him/her, and must contain the following information:

- (1) The name and address of the employing motor carrier;
- (2) The applicant's name, address, date of birth, and social security number;
- (3) The addresses at which the applicant has resided during the 3 years preceding the date on which the application is submitted;
- (4) The date on which the application is submitted;

(5) The issuing State, number, and expiration date of each unexpired commercial motor vehicle operator's license or permit that has been issued to the applicant;

(6) The nature and extent of the applicant's experience in the operation of motor vehicles, including the type of equipment (such as buses, trucks, truck tractors, semitrailers, full trailers, and pole trailers) which he/she has operated;

(7) A list of all motor vehicle accidents in which the applicant was involved during the 3 years preceding the date the application is submitted, specifying the date and nature of each accident and any fatalities or personal injuries it caused;

(8) A list of all violations of motor vehicle laws or ordinances (other than violations involving only parking) of which the applicant was convicted or forfeited bond or collateral during the 3 years preceding the date the application is submitted;

(9) A statement setting forth in detail the facts and circumstances of any denial, revocation, or suspension of any license, permit, or privilege to operate a motor vehicle that has been issued to the applicant, or a statement that no such denial, revocation, or suspension has occurred;

(10)(i) A list of the names and addresses of the applicant's employers during the 3 years preceding the date the application is submitted,

(ii) The dates he or she was employed by that employer,

(iii) The reason for leaving the employ of that employer,

(iv) After October 29, 2004, whether the (A) Applicant was subject to the FMCSRs while employed by that previous employer,

(B) Job was designated as a safety sensitive function in any DOT regulated mode subject to alcohol and controlled substances testing requirements as required by 49 CFR part 40;

(11) For those drivers applying to operate a commercial motor vehicle as defined by Part 383 of this subchapter, a list of the names and addresses of the applicant's employers during the 7-year period preceding the 3 years contained in paragraph (b)(10) of this section for which the applicant was an operator of

a commercial motor vehicle, together with the dates of employment and the reasons for leaving such employment; and

(12) The following certification and signature line, which must appear at the end of the application form and be signed by the applicant:

This certifies that this application was completed by me, and that all entries on it and information in it are true and complete to the best of my knowledge.

(Date)

(Applicant's signature)

(c) A motor carrier may require an applicant to provide information in addition to the information required by paragraph (b) of this section on the application form.

(d) Before an application is submitted, the motor carrier must inform the applicant that the information he/she provides in accordance with paragraph (b)(10) of this section may be used, and the applicant's previous employers will be contacted, for the purpose of investigating the applicant's safety performance history information as required by paragraphs (d) and (e) of § 391.23. The prospective employer must also notify the driver in writing of his/her due process rights as specified in § 391.23(i) regarding information received as a result of these investigations.

[35 FR 6460, Apr. 22, 1970, as amended at 35 FR 17420, Nov. 13, 1970; 52 FR 20589, June 1, 1987; 60 FR 38744, July 28, 1995; 69 FR 16719, Mar. 30, 2004]

§ 391.23 Investigation and inquiries.

(a) Except as provided in subpart G of this part, each motor carrier shall make the following investigations and inquiries with respect to each driver it employs, other than a person who has been a regularly employed driver of the motor carrier for a continuous period which began before January 1, 1971:

(1) An inquiry into the driver's driving record during the preceding 3 years to the appropriate agency of every State in which the driver held a motor vehicle operator's license or permit during those 3 years; and

(2) An investigation of the driver's safety performance history with Department of Transportation regulated employers during the preceding three years.

(b) A copy of the driver record(s) obtained in response to the inquiry or inquiries to each State driver record agency required by paragraph (a)(1) of this section must be placed in the driver qualification file within 30 days of the date the driver's employment begins and be retained in compliance with §391.51. If no driving record exists from the State or States, the motor carrier must document a good faith effort to obtain such information, and certify that no record exists for that driver in that State. The inquiry to the State driver record agencies must be made in the form and manner each agency prescribes.

(c)(1) Replies to the investigations of the driver's safety performance history required by paragraph (a)(2) of this section, or documentation of good faith efforts to obtain the investigation data, must be placed in the driver investigation history file, after October 29, 2004, within 30 days of the date the driver's employment begins. Any period of time required to exercise the driver's due process rights to review the information received, request a previous employer to correct or include a rebuttal, is separate and apart from this 30-day requirement to document investigation of the driver safety performance history data.

(2) The investigation may consist of personal interviews, telephone interviews, letters, or any other method for investigating that the carrier deems appropriate. Each motor carrier must make a written record with respect to each previous employer contacted, or good faith efforts to do so. The record must include the previous employer's name and address, the date the previous employer was contacted, or the attempts made, and the information received about the driver from the previous employer. Failures to contact a previous employer, or of them to provide the required safety performance history information, must be documented. The record must be maintained pursuant to §391.53.

(3) Prospective employers should report failures of previous employers to respond to an investigation to the FMCSA following procedures specified at §386.12 of this chapter and keep a copy of such reports in the Driver Investigation file as part of documenting a good faith effort to obtain the required information.

(4) *Exception.* For a drivers with no previous employment experience working for a DOT regulated employer during the preceding three years, documentation that no investigation was possible must be placed in the driver history investigation file, after October 29, 2004, within the required 30 days of the date the driver's employment begins.

(d) The prospective motor carrier must investigate, at a minimum, the information listed in this paragraph from all previous employers of the applicant that employed the driver to operate a CMV within the previous three years. The investigation request must contain specific contact information on where the previous motor carrier employers should send the information requested.

(1) General driver identification and employment verification information.

(2) The data elements as specified in §390.15(b)(1) of this chapter for accidents involving the driver that occurred in the three-year period preceding the date of the employment application.

(i) Any accidents as defined by §390.5 of this chapter.

(ii) Any accidents the previous employer may wish to provide that are retained pursuant to §390.15(b)(2), or pursuant to the employer's internal policies for retaining more detailed minor accident information.

(e) In addition to the investigations required by paragraph (d) of this section, the prospective motor carrier employers must investigate the information listed below in this paragraph from all previous DOT regulated employers that employed the driver within the previous three years from the date of the employment application, in a safety-sensitive function that required alcohol and controlled substance testing specified by 49 CFR part 40.

(1) Whether, within the previous three years, the driver had violated the alcohol and controlled substances prohibitions under subpart B of part 382 of this chapter, or 49 CFR part 40.

(2) Whether the driver failed to undertake or complete a rehabilitation program prescribed by a substance abuse professional (SAP) pursuant to § 382.605 of this chapter, or 49 CFR part 40, subpart O. If the previous employer does not know this information (*e.g.*, an employer that terminated an employee who tested positive on a drug test), the prospective motor carrier must obtain documentation of the driver's successful completion of the SAP's referral directly from the driver.

(3) For a driver who had successfully completed a SAP's rehabilitation referral, and remained in the employ of the referring employer, information on whether the driver had the following testing violations subsequent to completion of a § 382.605 or 49 CFR part 40, subpart O referral:

- (i) Alcohol tests with a result of 0.04 or higher alcohol concentration;
- (ii) Verified positive drug tests;
- (iii) Refusals to be tested (including verified adulterated or substituted drug test results).

(f) A prospective motor carrier employer must provide to the previous employer the driver's written consent meeting the requirements of § 40.321(b) for the release of the information in paragraph (e) of this section. If the driver refuses to provide this written consent, the prospective motor carrier employer must not permit the driver to operate a commercial motor vehicle for that motor carrier.

(g) After October 29, 2004, previous employers must:

(1) Respond to each request for the DOT defined information in paragraphs (d) and (e) of this section within 30 days after the request is received. If there is no safety performance history information to report for that driver, previous motor carrier employers are nonetheless required to send a response confirming the non-existence of any such data, including the driver identification information and dates of employment.

(2) Take all precautions reasonably necessary to ensure the accuracy of the records.

(3) Provide specific contact information in case a driver chooses to contact the previous employer regarding correction or rebuttal of the data.

(4) Keep a record of each request and the response for one year, including the date, the party to whom it was released, and a summary identifying what was provided.

(5) *Exception.* Until May 1, 2006, carriers need only provide information for accidents that occurred after April 29, 2003.

(h) The release of information under this section may take any form that reasonably ensures confidentiality, including letter, facsimile, or e-mail. The previous employer and its agents and insurers must take all precautions reasonably necessary to protect the driver safety performance history records from disclosure to any person not directly involved in forwarding the records, except the previous employer's insurer, except that the previous employer may not provide any alcohol or controlled substances information to the previous employer's insurer.

(i)(1) The prospective employer must expressly notify drivers with Department of Transportation regulated employment during the preceding three years—via the application form or other written document prior to any hiring decision—that he or she has the following rights regarding the investigative information that will be provided to the prospective employer pursuant to paragraphs (d) and (e) of this section:

- (i) The right to review information provided by previous employers;
- (ii) The right to have errors in the information corrected by the previous employer and for that previous employer to re-send the corrected information to the prospective employer;
- (iii) The right to have a rebuttal statement attached to the alleged erroneous information, if the previous employer and the driver cannot agree on the accuracy of the information.

(2) Drivers who have previous Department of Transportation regulated employment history in the preceding

three years, and wish to review previous employer-provided investigative information must submit a written request to the prospective employer, which may be done at any time, including when applying, or as late as 30 days after being employed or being notified of denial of employment. The prospective employer must provide this information to the applicant within five (5) business days of receiving the written request. If the prospective employer has not yet received the requested information from the previous employer(s), then the five-business days deadline will begin when the prospective employer receives the requested safety performance history information. If the driver has not arranged to pick up or receive the requested records within thirty (30) days of the prospective employer making them available, the prospective motor carrier may consider the driver to have waived his/her request to review the records.

(j)(1) Drivers wishing to request correction of erroneous information in records received pursuant to paragraph (i) of this section must send the request for the correction to the previous employer that provided the records to the prospective employer.

(2) After October 29, 2004, the previous employer must either correct and forward the information to the prospective motor carrier employer, or notify the driver within 15 days of receiving a driver's request to correct the data that it does not agree to correct the data. If the previous employer corrects and forwards the data as requested, that employer must also retain the corrected information as part of the driver's safety performance history record and provide it to subsequent prospective employers when requests for this information are received. If the previous employer corrects the data and forwards it to the prospective motor carrier employer, there is no need to notify the driver.

(3) Drivers wishing to rebut information in records received pursuant to paragraph (i) of this section must send the rebuttal to the previous employer with instructions to include the rebuttal in that driver's safety performance history.

(4) After October 29, 2004, within five business days of receiving a rebuttal from a driver, the previous employer must:

(i) Forward a copy of the rebuttal to the prospective motor carrier employer;

(ii) Append the rebuttal to the driver's information in the carrier's appropriate file, to be included as part of the response for any subsequent investigating prospective employers for the duration of the three-year data retention requirement.

(5) The driver may submit a rebuttal initially without a request for correction, or subsequent to a request for correction.

(6) The driver may report failures of previous employers to correct information or include the driver's rebuttal as part of the safety performance information, to the FMCSA following procedures specified at § 386.12.

(k)(1) The prospective motor carrier employer must use the information described in paragraphs (d) and (e) of this section only as part of deciding whether to hire the driver.

(2) The prospective motor carrier employer, its agents and insurers must take all precautions reasonably necessary to protect the records from disclosure to any person not directly involved in deciding whether to hire the driver. The prospective motor carrier employer may not provide any alcohol or controlled substances information to the prospective motor carrier employer's insurer.

(l)(1) No action or proceeding for defamation, invasion of privacy, or interference with a contract that is based on the furnishing or use of information in accordance with this section may be brought against—

(i) A motor carrier investigating the information, described in paragraphs (d) and (e) of this section, of an individual under consideration for employment as a commercial motor vehicle driver,

(ii) A person who has provided such information; or

(iii) The agents or insurers of a person described in paragraph (l)(1)(i) or (ii) of this section, except insurers are not granted a limitation on liability

§ 391.25

for any alcohol and controlled substance information.

(2) The protections in paragraph (1)(1) of this section do not apply to persons who knowingly furnish false information, or who are not in compliance with the procedures specified for these investigations.

(Approved by the Office of Management and Budget under control number 2126-0004)

[35 FR 6460, Apr. 22, 1970, as amended at 35 FR 17420, Nov. 13, 1970; 69 FR 16720, Mar. 30, 2004]

§ 391.25 Annual inquiry and review of driving record.

(a) Except as provided in subpart G of this part, each motor carrier shall, at least once every 12 months, make an inquiry into the driving record of each driver it employs, covering at least the preceding 12 months, to the appropriate agency of every State in which the driver held a commercial motor vehicle operator's license or permit during the time period.

(b) Except as provided in subpart G of this part, each motor carrier shall, at least once every 12 months, review the driving record of each driver it employs to determine whether that driver meets minimum requirements for safe driving or is disqualified to drive a commercial motor vehicle pursuant to § 391.15.

(1) The motor carrier must consider any evidence that the driver has violated any applicable Federal Motor Carrier Safety Regulations in this subchapter or Hazardous Materials Regulations (49 CFR chapter I, subchapter C).

(2) The motor carrier must consider the driver's accident record and any evidence that the driver has violated laws governing the operation of motor vehicles, and must give great weight to violations, such as speeding, reckless driving, and operating while under the influence of alcohol or drugs, that indicate that the driver has exhibited a disregard for the safety of the public.

(c) Recordkeeping. (1) A copy of the response from each State agency to the inquiry required by paragraph (a) of this section shall be maintained in the driver's qualification file.

(2) A note, including the name of the person who performed the review of the driving record required by paragraph (b) of this section and the date of such review, shall be maintained in the driver's qualification file.

[63 FR 33277, June 18, 1998]

§ 391.27 Record of violations.

(a) Except as provided in subpart G of this part, each motor carrier shall, at least once every 12 months, require each driver it employs to prepare and furnish it with a list of all violations of motor vehicle traffic laws and ordinances (other than violations involving only parking) of which the driver has been convicted or on account of which he/she has forfeited bond or collateral during the preceding 12 months.

(b) Each driver shall furnish the list required in accordance with paragraph (a) of this section. If the driver has not been convicted of, or forfeited bond or collateral on account of, any violation which must be listed, he/she shall so certify.

(c) The form of the driver's list or certification shall be prescribed by the motor carrier. The following form may be used to comply with this section:

DRIVER'S CERTIFICATION

I certify that the following is a true and complete list of traffic violations (other than parking violations) for which I have been convicted or forfeited bond or collateral during the past 12 months.

Date of conviction	Offense
Location	Type of motor vehicle operated

If no violations are listed above, I certify that I have not been convicted or forfeited bond or collateral on account of any violation required to be listed during the past 12 months.

(Date of certification) (Driver's signature)

(Motor carrier's name)

(Motor carrier's address)

(Reviewed by: Signature) (Title)

(d) The motor carrier shall retain the list or certificate required by this section, or a copy of it, in its files as part of the driver's qualification file.

(e) Drivers who have provided information required by §383.31 of this subchapter need not repeat that information in the annual list of violations required by this section.

[35 FR 6460, Apr. 22, 1970, as amended at 35 FR 17420, Nov. 13, 1970; 52 FR 20589, June 1, 1987; 60 FR 38745, July 28, 1995]

Subpart D—Tests

§ 391.31 Road test.

(a) Except as provided in subpart G, a person shall not drive a commercial motor vehicle unless he/she has first successfully completed a road test and has been issued a certificate of driver's road test in accordance with this section.

(b) The road test shall be given by the motor carrier or a person designated by it. However, a driver who is a motor carrier must be given the test by a person other than himself/herself. The test shall be given by a person who is competent to evaluate and determine whether the person who takes the test has demonstrated that he/she is capable of operating the commercial motor vehicle, and associated equipment, that the motor carrier intends to assign him/her.

(c) The road test must be of sufficient duration to enable the person who gives it to evaluate the skill of the person who takes it at handling the commercial motor vehicle, and associated equipment, that the motor carriers intends to assign to him/her. As a minimum, the person who takes the test must be tested, while operating the type of commercial motor vehicle the motor carrier intends to assign him/her, on his/her skill at performing each of the following operations:

- (1) The pretrip inspection required by §392.7 of this subchapter;
- (2) Coupling and uncoupling of combination units, if the equipment he/she may drive includes combination units;
- (3) Placing the commercial motor vehicle in operation;
- (4) Use of the commercial motor vehicle's controls and emergency equipment;
- (5) Operating the commercial motor vehicle in traffic and while passing other motor vehicles;

(6) Turning the commercial motor vehicle;

(7) Braking, and slowing the commercial motor vehicle by means other than braking; and

(8) Backing and parking the commercial motor vehicle.

(d) The motor carrier shall provide a road test form on which the person who gives the test shall rate the performance of the person who takes it at each operation or activity which is a part of the test. After he/she completes the form, the person who gave the test shall sign it.

(e) If the road test is successfully completed, the person who gave it shall complete a certificate of driver's road test in substantially the form prescribed in paragraph (f) of this section.

(f) The form for the certificate of driver's road test is substantially as follows:

CERTIFICATION OF ROAD TEST

Driver's name _____
 Social Security No _____
 Operator's or Chauffeur's License No _____
 State _____
 Type of power unit _____ Type of trailer(s) _____
 If passenger carrier, type of bus _____

This is to certify that the above-named driver was given a road test under my supervision on _____, 20____, consisting of approximately _____ miles of driving.

It is my considered opinion that this driver possesses sufficient driving skill to operate safely the type of commercial motor vehicle listed above.

(Signature of examiner)

(Title)

(Organization and address of examiner)

(g) A copy of the certificate required by paragraph (e) of this section shall be given to the person who was examined. The motor carrier shall retain in the driver qualification file of the person who was examined—

(1) The original of the signed road test form required by paragraph (d) of this section; and

(2) The original, or a copy of, the certificate required by paragraph (e) of this section.

[35 FR 6460, Apr. 22, 1970, as amended at 36 FR 223, Jan. 7, 1971; 59 FR 8752, Feb. 23, 1994; 60 FR 38744, July 28, 1995]

§ 391.33 Equivalent of road test.

(a) In place of, and as equivalent to, the road test required by § 391.31, a person who seeks to drive a commercial motor vehicle may present, and a motor carrier may accept—

(1) A valid Commercial Driver's License as defined in § 383.5 of this subchapter, but not including double/triple trailer or tank vehicle endorsements, which has been issued to him/her to operate specific categories of commercial motor vehicles and which, under the laws of that State, licenses him/her after successful completion of a road test in a commercial motor vehicle of the type the motor carrier intends to assign to him/her; or

(2) A copy of a valid certificate of driver's road test issued to him/her pursuant to § 391.31 within the preceding 3 years.

(b) If a driver presents, and a motor carrier accepts, a license or certificate as equivalent to the road test, the motor carrier shall retain a legible copy of the license or certificate in its files as part of the driver's qualification file.

(c) A motor carrier may require any person who presents a license or certificate as equivalent to the road test to take a road test or any other test of his/her driving skill as a condition to his/her employment as a driver.

[35 FR 6460, Apr. 22, 1970, as amended at 60 FR 38744, July 28, 1995; 63 FR 33277, June 18, 1998]

Subpart E—Physical Qualifications and Examinations

§ 391.41 Physical qualifications for drivers.

(a) A person shall not drive a commercial motor vehicle unless he/she is physically qualified to do so and, except as provided in § 391.67, has on his/her person the original, or a photographic copy, of a medical examiner's certificate that he/she is physically qualified to drive a commercial motor vehicle.

The United States and Canada entered into a Reciprocity Agreement, effective March 30, 1999, recognizing that a Canadian commercial driver's license is proof of medical fitness to drive. Therefore, Canadian commer-

(b) A person is physically qualified to drive a commercial motor vehicle if that person—

(1) Has no loss of a foot, a leg, a hand, or an arm, or has been granted a skill performance evaluation certificate pursuant to § 391.49;

(2) Has no impairment of:

(i) A hand or finger which interferes with prehension or power grasping; or

(ii) An arm, foot, or leg which interferes with the ability to perform normal tasks associated with operating a commercial motor vehicle; or any other significant limb defect or limitation which interferes with the ability to perform normal tasks associated with operating a commercial motor vehicle; or has been granted a skill performance evaluation certificate pursuant to § 391.49.

(3) Has no established medical history or clinical diagnosis of diabetes mellitus currently requiring insulin for control;

(4) Has no current clinical diagnosis of myocardial infarction, angina pectoris, coronary insufficiency, thrombosis, or any other cardiovascular disease of a variety known to be accompanied by syncope, dyspnea, collapse, or congestive cardiac failure.

(5) Has no established medical history or clinical diagnosis of a respiratory dysfunction likely to interfere with his/her ability to control and drive a commercial motor vehicle safely;

(6) Has no current clinical diagnosis of high blood pressure likely to interfere with his/her ability to operate a commercial motor vehicle safely;

(7) Has no established medical history or clinical diagnosis of rheumatic,

cial motor vehicle (CMV) drivers are no longer required to have in their possession a medical examiner's certificate if the driver has been issued, and possesses, a valid commercial driver's license issued by a Canadian Province or Territory. However, Canadian drivers who are insulin-using diabetics, who have epilepsy, or who are hearing impaired as defined in § 391.41(b)(11) are not qualified to drive CMVs in the United States. Furthermore, Canadian drivers who do not meet the medical fitness provisions of the Canadian National Safety Code for Motor Carriers but who have been issued a waiver by one of the Canadian Provinces or Territories are not qualified to drive CMVs in the United States.

arthritic, orthopedic, muscular, neuro-muscular, or vascular disease which interferes with his/her ability to control and operate a commercial motor vehicle safely;

(8) Has no established medical history or clinical diagnosis of epilepsy or any other condition which is likely to cause loss of consciousness or any loss of ability to control a commercial motor vehicle;

(9) Has no mental, nervous, organic, or functional disease or psychiatric disorder likely to interfere with his/her ability to drive a commercial motor vehicle safely;

(10) Has distant visual acuity of at least 20/40 (Snellen) in each eye without corrective lenses or visual acuity separately corrected to 20/40 (Snellen) or better with corrective lenses, distant binocular acuity of at least 20/40 (Snellen) in both eyes with or without corrective lenses, field of vision of at least 70° in the horizontal Meridian in each eye, and the ability to recognize the colors of traffic signals and devices showing standard red, green, and amber;

(11) First perceives a forced whispered voice in the better ear at not less than 5 feet with or without the use of a hearing aid or, if tested by use of an audiometric device, does not have an average hearing loss in the better ear greater than 40 decibels at 500 Hz, 1,000 Hz, and 2,000 Hz with or without a hearing aid when the audiometric device is calibrated to American National Standard (formerly ASA Standard) Z24.5—1951.

(12)(i) Does not use a controlled substance identified in 21 CFR 1308.11 *Schedule I*, an amphetamine, a narcotic, or any other habit-forming drug.

(ii) *Exception.* A driver may use such a substance or drug, if the substance or drug is prescribed by a licensed medical practitioner who:

(A) Is familiar with the driver's medical history and assigned duties; and

(B) Has advised the driver that the prescribed substance or drug will not adversely affect the driver's ability to safely operate a commercial motor vehicle; and

(13) Has no current clinical diagnosis of alcoholism.

[35 FR 6460, Apr. 22, 1970, as amended at 35 FR 17420, Nov. 13, 1970; 36 FR 223, Jan. 7, 1971; 36 FR 12857, July 8, 1971; 43 FR 56900, Dec. 5, 1978; 55 FR 3554, Feb. 1, 1990; 60 FR 38744, July 28, 1995; 62 FR 37152, July 11, 1997; 65 FR 59369, Oct. 5, 2000; 67 FR 61824, Oct. 2, 2002]

§391.43 Medical examination; certificate of physical examination.

(a) Except as provided by paragraph (b) of this section, the medical examination shall be performed by a licensed medical examiner as defined in §390.5 of this subchapter.

(b) A licensed optometrist may perform so much of the medical examination as pertains to visual acuity, field of vision, and the ability to recognize colors as specified in paragraph (10) of §391.41(b).

(c) Medical examiners shall:

(1) Be knowledgeable of the specific physical and mental demands associated with operating a commercial motor vehicle and the requirements of this subpart, including the medical advisory criteria prepared by the FMCSA as guidelines to aid the medical examiner in making the qualification determination; and

(2) Be proficient in the use of and use the medical protocols necessary to adequately perform the medical examination required by this section.

(d) Any driver authorized to operate a commercial motor vehicle within an exempt intracity zone pursuant to §391.62 of this part shall furnish the examining medical examiner with a copy of the medical findings that led to the issuance of the first certificate of medical examination which allowed the driver to operate a commercial motor vehicle wholly within an exempt intracity zone.

(e) Any driver operating under a limited exemption authorized by §391.64 shall furnish the medical examiner with a copy of the annual medical findings of the endocrinologist, ophthalmologist or optometrist, as required under that section. If the medical examiner finds the driver qualified under the limited exemption in §391.64, such fact shall be noted on the Medical Examiner's Certificate.

(f) The medical examination shall be performed, and its results shall be recorded, substantially in accordance with the following instructions and examination form. Existing forms may be used until current printed supplies are depleted or until September 30, 2004, whichever occurs first.

INSTRUCTIONS FOR PERFORMING AND RECORDING PHYSICAL EXAMINATIONS

The medical examiner must be familiar with 49 CFR 391.41, Physical qualifications for drivers, and should review these instructions before performing the physical examination. Answer each question “yes” or “no” and record numerical readings where indicated on the physical examination form.

The medical examiner must be aware of the rigorous physical, mental, and emotional demands placed on the driver of a commercial motor vehicle. In the interest of public safety, the medical examiner is required to certify that the driver does not have any physical, mental, or organic condition that might affect the driver's ability to operate a commercial motor vehicle safely.

General information. The purpose of this history and physical examination is to detect the presence of physical, mental, or organic conditions of such a character and extent as to affect the driver's ability to operate a commercial motor vehicle safely. The examination should be conducted carefully and should at least include all of the information requested in the following form. History of certain conditions may be cause for rejection. Indicate the need for further testing and/or require evaluation by a specialist. Conditions may be recorded which do not, because of their character or degree, indicate that certification of physical fitness should be denied. However, these conditions should be discussed with the driver and he/she should be advised to take the necessary steps to insure correction, particularly of those conditions which, if neglected, might affect the driver's ability to drive safely.

General appearance and development. Note marked overweight. Note any postural defect, perceptible limp, tremor, or other conditions that might be caused by alcoholism, thyroid intoxication or other illnesses.

Head-eyes. When other than the Snellen chart is used, the results of such test must be expressed in values comparable to the standard Snellen test. If the driver wears corrective lenses for driving, these should be worn while driver's visual acuity is being tested. If contact lenses are worn, there should be sufficient evidence of good tolerance of and adaptation to their use. Indicate the driver's need to wear corrective lenses to meet the vision standard on the Medical Examiner's Certificate by checking the box, “Qualified only when wearing corrective

lenses.” In recording distance vision use 20 feet as normal. Report all vision as a fraction with 20 as the numerator and the smallest type read at 20 feet as the denominator. Monocular drivers are not qualified to operate commercial motor vehicles in interstate commerce.

Ears. Note evidence of any ear disease, symptoms of aural vertigo, or Meniere's Syndrome. When recording hearing, record distance from patient at which a forced whispered voice can first be heard. For the whispered voice test, the individual should be stationed at least 5 feet from the examiner with the ear being tested turned toward the examiner. The other ear is covered. Using the breath which remains after a normal expiration, the examiner whispers words or random numbers such as 66, 18, 23, etc. The examiner should not use only sibilants (s-sounding test materials). The opposite ear should be tested in the same manner. If the individual fails the whispered voice test, the audiometric test should be administered. For the audiometric test, record decibel loss at 500 Hz, 1,000 Hz, and 2,000 Hz. Average the decibel loss at 500 Hz, 1,000 Hz and 2,000 Hz and record as described on the form. If the individual fails the audiometric test and the whispered voice test has not been administered, the whispered voice test should be performed to determine if the standard applicable to that test can be met.

Throat. Note any irremediable deformities likely to interfere with breathing or swallowing.

Heart. Note murmurs and arrhythmias, and any history of an enlarged heart, congestive heart failure, or cardiovascular disease that is accompanied by syncope, dyspnea, or collapse. Indicate onset date, diagnosis, medication, and any current limitation. An electrocardiogram is required when findings so indicate.

Blood pressure (BP). If a driver has hypertension and/or is being medicated for hypertension, he or she should be recertified more frequently. An individual diagnosed with Stage 1 hypertension (BP is 140/90–159/99) may be certified for one year. At recertification, an individual with a BP equal to or less than 140/90 may be certified for one year; however, if his or her BP is greater than 140/90 but less than 160/100, a one-time certificate for 3 months can be issued. An individual diagnosed with Stage 2 (BP is 160/100–179/109) should be treated and a one-time certificate for 3-month certification can be issued. Once the driver has reduced his or her BP to equal to or less than 140/90, he or she may be recertified annually thereafter. An individual diagnosed with Stage 3 hypertension (BP equal to or greater than 180/110) should not be certified until his or her BP is reduced to 140/90 or less, and may be recertified every 6 months.

Lungs. Note abnormal chest wall expansion, respiratory rate, breath sounds including wheezes or alveolar rales, impaired respiratory function, dyspnea, or cyanosis. Abnormal finds on physical exam may require further testing such as pulmonary tests and/or x-ray of chest.

Abdomen and Viscera. Note enlarged liver, enlarged spleen, abnormal masses, bruits, hernia, and significant abdominal wall muscle weakness and tenderness. If the diagnosis suggests that the condition might interfere with the control and safe operation of a commercial motor vehicle, further testing and evaluation is required.

Genital-urinary and rectal examination. A urinalysis is required. Protein, blood or sugar in the urine may be an indication for further testing to rule out any underlying medical problems. Note hernias. A condition causing discomfort should be evaluated to determine the extent to which the condition might interfere with the control and safe operation of a commercial motor vehicle.

Neurological. Note impaired equilibrium, coordination, or speech pattern; paresthesia; asymmetric deep tendon reflexes; sensory or positional abnormalities; abnormal patellar and Babinski's reflexes; ataxia. Abnormal neurological responses may be an indication for further testing to rule out an underlying medical condition. Any neurological condition should be evaluated for the nature and severity of the condition, the degree of limitation present, the likelihood of progressive limitation, and the potential for sudden incapacitation. In instances where the medical examiner has determined that more frequent monitoring of a condition is appropriate, a certificate for a shorter period should be issued.

Spine, musculoskeletal. Previous surgery, deformities, limitation of motion, and tenderness should be noted. Findings may indicate additional testing and evaluation should be conducted.

Extremities. Carefully examine upper and lower extremities and note any loss or impairment of leg, foot, toe, arm, hand, or finger. Note any deformities, atrophy, paralysis, partial paralysis, clubbing, edema, or hypotonia. If a hand or finger deformity exists, determine whether prehension and power grasp are sufficient to enable the driver to maintain steering wheel grip and to control other vehicle equipment during routine and emergency driving operations. If a foot or leg deformity exists, determine whether sufficient mobility and strength exist to enable the driver to operate pedals properly. In the case of any loss or impairment to an extremity which may interfere with the driver's ability to operate a commercial motor vehicle safely, the medical examiner should state on the medical certificate "medically unqualified unless accompanied by a Skill Performance Evaluation Certificate." The driver must then apply to the Field Service Center of the FMCSA, for the State in which the driver has legal residence, for a Skill Performance Evaluation Certificate under §391.49.

Laboratory and Other Testing. Other test(s) may be indicated based upon the medical history or findings of the physical examination.

Diabetes. If insulin is necessary to control a diabetic driver's condition, the driver is not qualified to operate a commercial motor vehicle in interstate commerce. If mild diabetes is present and it is controlled by use of an oral hypoglycemic drug and/or diet and exercise, it should not be considered disqualifying. However, the driver must remain under adequate medical supervision.

Upon completion of the examination, the medical examiner must date and sign the form, provide his/her full name, office address and telephone number. The completed medical examination form shall be retained on file at the office of the medical examiner.

649-F (6045)

**Medical Examination Report
FOR COMMERCIAL DRIVER FITNESS DETERMINATION**

1. DRIVER'S INFORMATION		Driver completes this section																												
Driver's Name (Last, First, Middle)	Social Security No.	Birthdate	Age																											
			Sex <input type="checkbox"/> M <input type="checkbox"/> F																											
Address	City, State, Zip Code	Work Tel: () () () ()	Driver License No.																											
		Home Tel: () () () ()	License Class <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> Other																											
2. HEALTH HISTORY		Driver completes this section, but medical examiner is encouraged to discuss with driver.																												
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List all medications (including over-the-counter medications) used regularly or recently.</p> <p>_____</p> <p>_____</p> <p>_____</p>	
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<p>I certify that the above information is complete and true. I understand that inaccurate, false or missing information may invalidate the examination and my Medical Examiner's Certificate.</p>																														
Driver's Signature _____		Date _____																												
Medical Examiner's Comments on Health History (The medical examiner must review and discuss with the driver any "yes" answers and potential hazards of medications, including over-the-counter medications, while driving. This discussion must be documented below.)																														

TESTING (Medical Examiner completes Section 3 through 7) Name: Last, First, Middle,

3. VISION Standard: At least 20/40 acuity (Snellen) in each eye with or without correction. At least 70 degrees peripheral in horizontal meridian measured in each eye. The use of corrective lenses should be noted on the Medical Examiner's Certificate.

INSTRUCTIONS: When other than the Snellen chart is used, give test results in Snellen-comparable values. In recording distance vision, use 20 feet as normal. Report visual acuity as a ratio with 20 as numerator and the smallest type read at 20 feet as denominator. If the applicant wears corrective lenses, these should be worn while visual acuity is being tested. If the driver habitually wears contact lenses, or intends to do so while driving, sufficient evidence of good tolerance and adaptation to their use must be obvious. *Monocular drivers are not qualified.*

Applicant can recognize and distinguish among traffic control signals and devices showing standard red, green, and amber colors? Yes No

Applicant meets visual acuity requirement only when wearing: Corrective Lenses Yes No

Numerical readings must be provided.

ACUITY	UNCORRECTED	CORRECTED	HORIZONTAL FIELD OF VISION
Right Eye	20/	20/	Right Eye <input type="radio"/>
Left Eye	20/	20/	Left Eye <input type="radio"/>
Both Eyes	20/	20/	

Complete next line only if vision testing is done by an ophthalmologist or optometrist

Date of Examination Name of Ophthalmologist or Optometrist (print) Tel. No. License No./ State of Issue Signature

4. HEARING Standard: a) Must first perceive forced whispered voice ≥ 5 ft., with or without hearing aid, or b) average hearing loss in better ear ≤ 40 dB

Check if hearing aid used for tests. Check if hearing aid required to meet standard.

INSTRUCTIONS: To convert audiometric test results from ISO to ANSI, -14 dB from ISO for 500Hz, -10dB for 1,000 Hz, -8.5 dB for 2000 Hz. To average, add the readings for 3 frequencies tested and divide by 3.

Numerical readings must be recorded.

a) Record distance from individual at which forced whispered voice can first be heard. Right ear \ Feet Left ear \ Feet

b) If audiometer is used, record hearing loss in decibels. (acc. to ANSI Z24.5-1951)

Right Ear	Left Ear
500 Hz	500 Hz
1000 Hz	1000 Hz
2000 Hz	2000 Hz
Average:	

5. BLOOD/PRESSURE/PULSE RATE Numerical readings must be recorded. Medical Examiner should take at least two readings to confirm BP.

Blood Pressure Systolic Diastolic

Reading	Category	Expiration Date	Recertification
140-159/90-99	Stage 1	1 year	1 year if ≤140/90. One-time certificate for 3 months if 141-159/91-99.
160-179/100-109	Stage 2	One-time certificate for 3 months.	1 year from date of exam if ≤140/90
>180/110	Stage 3	6 months from date of exam if <140/90	6 months if < 140/90

Driver qualified if ≤140/90.

Pulse Rate: Regular Irregular

Record Pulse Rate:

URINE SPECIMEN	SP. GR.	PROTEIN	BLOOD SUGAR
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6. LABORATORY AND OTHER TEST FINDINGS Numerical readings must be recorded.

Urinalysis is required. Protein, blood or sugar in the urine may be an indication for further testing to rule out any underlying medical problem. Other Testing (Describe and record)

7. PHYSICAL EXAMINATION Height: _____ (in.) Weight: _____ (lbs.) Name: Last, _____ First, _____ Middle, _____

The presence of a certain condition may not necessarily disqualify a driver, particularly if the condition is controlled adequately, is not likely to worsen or is readily amenable to treatment. Even if a condition does not disqualify a driver, the medical examiner may consider deferring the driver temporarily. Also, the driver should be advised to take the necessary steps to correct the condition as soon as possible, particularly if the condition, if neglected, could result in more serious illness that might affect driving.

Check YES if there are any abnormalities. Check NO if the body system is normal. Discuss any YES answers in detail in the space below, and indicate whether it would affect the driver's ability to operate a commercial motor vehicle safely. Enter applicable item number before each comment. If organic disease is present, note that it has been compensated for. See *Instructions to the Medical Examiner* for guidance.

BODY SYSTEM	CHECK FOR:	YES*	NO	BODY SYSTEM	CHECK FOR:	YES*	NO
1. General Appearance	Marked overweight, tremor, signs of alcoholism, problem drinking, or drug abuse.	<input type="checkbox"/>	<input type="checkbox"/>	7. Abdomen and Viscera	Enlarged liver, enlarged spleen, masses, bruits, or significant abdominal wall muscle weakness.	<input type="checkbox"/>	<input type="checkbox"/>
2. Eyes	Pupillary equality, reaction to light, accommodation, ocular motility, ocular muscle imbalance, extracocular movement, nystagmus, exophthalmos. Ask about retinopathy, cataracts, aphakia, glaucoma, macular degeneration and refer to a specialist if appropriate.	<input type="checkbox"/>	<input type="checkbox"/>	8. Vascular System	Abnormal pulse and amplitude, carotid or arterial bruits, varicose veins.	<input type="checkbox"/>	<input type="checkbox"/>
3. Ears	Scarring of tympanic membrane, occlusion of external canal, perforated eardrums.	<input type="checkbox"/>	<input type="checkbox"/>	9. Genito-urinary System	Hernias.	<input type="checkbox"/>	<input type="checkbox"/>
4. Mouth and Throat	Irremitable deformities likely to interfere with breathing or swallowing.	<input type="checkbox"/>	<input type="checkbox"/>	10. Extremities-Limb	Loss or impairment of leg, foot, toe, arm, hand, wrist, or fingers; limb atrophy, weakness, paralysis, clubbing, edema, hypotonia. Insufficient grasp and prehension in upper limb to maintain steering wheel grip. Insufficient mobility and strength in lower limb to operate pedals properly.	<input type="checkbox"/>	<input type="checkbox"/>
5. Heart	Murmurs, extra sounds, enlarged heart, pacemaker, implantable defibrillator.	<input type="checkbox"/>	<input type="checkbox"/>	11. Spine, other musculoskeletal	Previous surgery, deformities, limitation of motion, tenderness.	<input type="checkbox"/>	<input type="checkbox"/>
6. Lungs and chest, not including breast examination	Abnormal chest wall expansion, abnormal respiratory rate, abnormal breath sounds including wheezes or alveolar rales, impaired respiratory function, cyanosis. Abnormal findings on physical exam may require further testing such as pulmonary tests and/or x-ray of chest.	<input type="checkbox"/>	<input type="checkbox"/>	12. Neurological	Impaired equilibrium, coordination or speech pattern; asymmetric deep tendon reflexes, sensory or positional abnormalities, abnormal patellar and Babinski's reflexes, ataxia.	<input type="checkbox"/>	<input type="checkbox"/>

*COMMENT: _____

Note certification status here. See *Instructions to the Medical Examiner* for guidance.

- Meets standards in 49 CFR 391.41; qualifies for 2 year certificate
- Does not meet standards
- Meets standards, but periodic monitoring required due to Driver qualified only for B months 6 months 1 year Other

Temporarily disqualified due to (condition or medication): _____

Return to medical examiner's office for follow up on _____

- Wearing corrective lenses
- Wearing hearing aid
- Accompanied by a _____ waiver/exemption. Driver must present exemption at time of certification.
- Skill Performance Evaluation (SPE) Certificate
- Driving within an exempt intracity zone (See 49 CFR 391.62)
- Qualified by operation of 49 CFR 391.64

Medical Examiner's signature _____
 Medical Examiner's name _____
 Address _____
 Telephone Number _____

If meets standards, complete a **Medical Examiner's Certificate** as stated in 49 CFR 391.43(h). (Driver must carry certificate when operating a commercial vehicle.)

49 CFR 391.41 Physical Qualifications for Drivers

THE DRIVER'S ROLE

Responsibilities, work schedules, physical and emotional demands, and lifestyles among commercial drivers vary by the type of driving that they do. Some of the main types of drivers include the following: turn around or short relay (drivers return to their home base each evening); long relay (drivers drive 9-11 hours and then have at least a 10-hour off-duty period); straight through haul (cross country drivers); and team drivers (drivers share the driving by alternating their 5-hour driving periods and 5-hour rest periods.)

The following factors may be involved in a driver's performance of duties: abrupt schedule changes and rotating work schedules, which may result in irregular sleep patterns and a driver beginning a trip in a fatigued condition; long hours; extended time away from family and friends, which may result in lack of social support; tight pickup and delivery schedules, with irregularity in work, rest, and eating patterns; adverse road, weather and traffic conditions, which may cause delays and lead to hurriedly loading or unloading cargo in order to compensate for the lost time; and environmental conditions such as excessive vibration, noise, and extremes in temperature. Transporting passengers or hazardous materials may add to the demands on the commercial driver.

There may be duties in addition to the driving task for which a driver is responsible and needs to be fit. Some of these responsibilities are: coupling and uncoupling trailer(s) from the tractor, loading and unloading trailer(s) (sometimes a driver will lift a heavy load or unload as much as 50,000 lbs. of freight after sitting for a long period of time without any stretching motion); inspecting the operating condition of tractor and/or trailer(s) before, during and after delivery of cargo; lifting, installing, and removing heavy tire chains; and, lifting heavy tarpaulins to cover open top trailers. The above tasks demand agility, the ability to bend and stoop, the ability to maintain a crouching position to inspect the underside of the vehicle, frequent entering and exiting of the cab, and the ability to climb ladders on the tractor and/or trailer(s).

In addition, a driver must have the perceptual skills to monitor a sometimes complex driving situation, the judgment skills to make quick decisions, when necessary, and the manipulative skills to control an oversize steering wheel, shift gears using a manual transmission, and maneuver a vehicle in crowded areas.

§391.45 PHYSICAL QUALIFICATIONS FOR DRIVERS

(a) A person shall not drive a commercial motor vehicle unless he is physically qualified to do so and, except as provided in §391.67, has on his person the original, or a photographic copy, of a medical examiner's certificate that he is physically qualified to drive a commercial motor vehicle.

(b) A person is physically qualified to drive a motor vehicle if that person:

- (1) Has no loss of a foot, a leg, a hand, or an arm, or has been granted a Skill Performance Evaluation (SPE) Certificate (formerly Limb Waiver Program) pursuant to §391.49.
- (2) Has no impairment of: (i) A hand or finger which interferes with prehension or power grasping; or (ii) An arm, foot, or leg which interferes with the ability to perform normal tasks associated with operating a commercial motor vehicle; or any other significant limb defect or limitation which interferes with the ability to perform normal tasks associated with operating a commercial motor vehicle; or has been granted a SPE Certificate pursuant to §391.49.
- (3) Has no established medical history or clinical diagnosis of diabetes mellitus currently requiring insulin for control.
- (4) Has no current clinical diagnosis of myocardial infarction, angina pectoris, coronary insufficiency, thrombosis, or any other cardiovascular disease of a variety known to be accompanied by syncope, dyspnea, collapse, or congestive cardiac failure.
- (5) Has no established medical history or clinical diagnosis of a respiratory dysfunction likely to interfere with his ability to control and drive a commercial motor vehicle safely.
- (6) Has no current clinical diagnosis of high blood pressure likely to interfere with his ability to operate a commercial motor vehicle safely.

- (7) Has no established medical history or clinical diagnosis of rheumatic, antritic, orthopedic, muscular, neuromuscular, or vascular disease which interferes with his ability to control and operate a commercial motor vehicle safely.
- (8) Has no established medical history or clinical diagnosis of epilepsy, or any other condition which is likely to cause loss of consciousness or any loss of ability to control a commercial motor vehicle;
- (9) Has no mental, nervous, organic, or functional disease or psychiatric disorder likely to interfere with his ability to drive a commercial motor vehicle safely.
- (10) Has distant visual acuity of at least 20/40 (Snellen) in each eye without corrective lenses or visual acuity separately corrected to 20/40 (Snellen) or better with corrective lenses, distant binocular acuity of at least 20/40 (Snellen) in both eyes with or without corrective lenses, field of vision of at least 70 degrees in the horizontal meridian in each eye, and the ability to recognize the colors of traffic signals and devices showing standard red, green and amber;
- (11) First perceives a forced whispered voice in the better ear not less than 5 feet with or without the use of a hearing aid, or, if tested by use of an audiometric device, does not have an average hearing loss in the better ear greater than 40 decibels at 500 Hz, 1,000 Hz and 2,000 Hz with or without a hearing device when the audiometric device is calibrated to the American National Standard (formerly ASA Standard) Z24.5-1951;

(12) (i) Does not use a controlled substance identified in 21 CFR 1308.11 Schedule I, an amphetamine, a narcotic, or any other habit-forming drug. (ii) Exception: A driver may use such a substance or drug, if the substance or drug is prescribed by a licensed medical practitioner who: (A) is familiar with the driver's medical history and assigned duties; and (B) has advised the driver that the prescribed substance or drug will not adversely affect the driver's ability to safely operate a commercial motor vehicle; and

(13) Has no current clinical diagnosis of alcoholism.

INSTRUCTIONS TO THE MEDICAL EXAMINER

General Information

The purpose of this examination is to determine a driver's physical qualification to operate a commercial motor vehicle (CMV) in interstate commerce according to the requirements in 49 CFR 391.41–49. Therefore, the medical examiner must be knowledgeable of these requirements and guidelines developed by the FMCSA to assist the medical examiner in making the qualification determination. The medical examiner should be familiar with the driver's responsibilities and work environment and is referred to the section on the form, **The Driver's Role**.

In addition to reviewing the **Health History** section with the driver and conducting the physical examination, the medical examiner should discuss common prescriptions and over-the-counter medications relative to the side effects and hazards of these medications while driving. Educate the driver to read warning labels on all medications. History of certain conditions may be cause for rejection, particularly if required by regulation, or may indicate the need for additional laboratory tests or more stringent examination perhaps by a medical specialist. These decisions are usually made by the medical examiner in light of the driver's job responsibilities, work schedule and potential for the conditions to render the driver unsafe.

Medical conditions should be recorded even if they are not cause for denial, and they should be discussed with the driver to encourage appropriate remedial care. This advice is especially needed when a condition, if neglected, could develop into a serious illness that could affect driving.

If the medical examiner determines that the driver is fit to drive and is also able to perform non-driving responsibilities as may be required, the medical examiner signs the medical certificate which the driver must carry with his/her license. The certificate must be dated. **Under current regulations, the certificate is valid for two years, unless the driver has a medical condition that does not prohibit driving but does require more frequent monitoring.** In such situations, the medical certificate should be issued for a shorter length of time. The physical examination should be done carefully and at least as complete as is indicated by the attached form. Contact the FMCSA at (202) 366-1790 for further information (a vision exemption, qualifying drivers under 49 CFR 391.64, etc.).

Interpretation of Medical Standards

Since the issuance of the regulations for physical qualifications of commercial drivers, the Federal Motor Carrier Safety Administration (FMCSA) has published recommendations called Advisory Criteria to help medical examiners in determining whether a driver meets the physical qualifications for commercial driving. These recommendations have been condensed to provide information to medical examiners that (1) is directly relevant to the physical examination and (2) is not already included in the medical examination form. The specific regulation is printed in italics and it's reference by section is highlighted.

Federal Motor Carrier Safety Regulations

-Advisory Criteria-

Loss of Limb:

§391.41(b)(1)
A person is physically qualified to drive a commercial motor vehicle if that person:

Has no loss of a foot, leg, hand or arm, or has been granted a Skill Performance Evaluation (SPE) Certificate pursuant to Section 391.49.

Limb Impairment:

§391.41(b)(2)

A person is physically qualified to drive a commercial motor vehicle if that person:

Has a permanent loss of: (i) A hand or finger which interferes with prehension, power grasping, or (ii) An arm, leg, or hand which interferes with the ability to perform normal tasks associated with operating a commercial motor vehicle, or (iii) Any other significant limb defect or limitation which interferes with the ability to perform normal tasks associated with operating a commercial motor vehicle; or (iv) Has been granted a Skill Performance Evaluation (SPE) Certificate pursuant to Section 391.49.

A person who suffers loss of a foot, leg, hand or arm or whose limb impairment in any way interferes with the safe performance of normal tasks associated with operating a commercial motor vehicle is subject to the Skill Performance Evaluation Certification Program pursuant to section 391.49, assuming the person is otherwise qualified.

When an applicant has a vision exemption, needed aids and equipment modifications have been approved to compensate for certain disabilities, the SPE Certification Program (formerly the Limb Weaver Program) was designed to allow persons with the loss of a foot or limb or with functional impairment to qualify under the Federal Motor Carrier Safety Regulations (FMCSRs) by use of prosthetic devices or equipment modifications which enable them to safely operate a commercial motor vehicle. Since there are no medical aids equivalent to the original body or limb, certain risks are still present, and thus restrictions may be included on individual SPE certificates when a State Director for the FMCSA determines they are necessary to be consistent with safety and public interest.

If the driver is found otherwise medically qualified (391.41(b)(3) through (10)), the medical examiner must check the box on the certificate that the driver is qualified and is accompanied by a SPE certificate. The driver and the employing motor carrier are subject to appropriate penalty if the driver operates a motor vehicle in interstate or foreign commerce without a current SPE certificate for his/her physical disability.

Diabetes

§391.41(b)(3)
A person is physically qualified to drive a commercial motor vehicle if that person:

Has no established medical history or clinical diagnosis of diabetes mellitus, or a disease which, on occasion, can cause diabetes mellitus is a disease which, on occasion, can result in a loss of consciousness or disorientation in time and space. Individuals who require insulin for control have conditions which can get out of control by the use of too much or too little insulin, or food intake not consistent with the insulin dosage. Incapacitation may occur from symptoms of hyperglycemic or hypoglycemic reactions (drowsiness, semiconsciousness, diabetic coma or insulin shock).

The administration of insulin is, within itself, a complicated process requiring insulin, syringe, needle, alcohol sponge and a sterile technique. Factors related to long-haul commercial motor vehicle operations, such as fatigue, lack of sleep, poor diet, emotional conditions, and concentration lapses, are potential dangers. Therefore, the FMCSA has established that the diabetic driver's insulin for control does not meet the minimum physical requirements of the FMCSRs.

Hypoglycemic drugs, taken orally, are sometimes prescribed for diabetic individuals to help stimulate natural body production of insulin. If the condition can be controlled by the use of oral medication and diet, then an individual may be qualified under the present rule. CMV drivers who do not meet the Federal diabetes standard may call (202) 366-1790 for an application for a diabetes exemption.

(See Conference Report on Diabetic Disorders and Commercial Drivers and Insulin-Using Commercial Motor Vehicle Drivers at: <http://www.fmcsa.dot.gov/ivulesregs/medreports.htm>)

Cardiovascular Condition

§391.41(b)(4)

A person is physically qualified to drive a commercial motor vehicle if that person:

Has no current clinical diagnosis of myocardial infarction, angina pectoris, coronary insufficiency, thrombosis or any other cardiovascular disease of a variety known to be accompanied by syncope, dyspnea, collapse or congestive cardiac failure.

The term "has no current clinical diagnosis of" is specifically designed to encompass: "a clinical diagnosis of (1) a current cardiovascular condition, or (2) a cardiovascular condition which has not fully stabilized regardless of the time limit. The term "known to be

on maximal or near-maximal doses of 2-3 pharmacologic agents. Some causes of secondary hypertension may be amenable to surgical intervention or specific pharmacologic disease.

(See Cardiovascular Advisory Panel Guidelines for the Medical Examination of Commercial Motor Vehicle Drivers at: <http://www.fmcsa.dot.gov/rulesregs/medreports.htm>)

Rheumatic, Arthritic, Orthopedic, Muscular, Neuromuscular or Vascular Disease §391.41(b)(7)
A person is physically qualified to drive a commercial motor vehicle if that person:

Has no established medical history or clinical diagnosis of rheumatic, arthritic, orthopedic, muscular, neuromuscular or vascular disease which interferes with the ability to control and operate a commercial motor vehicle safely.

Certain diseases are known to have acute episodes of transient muscle weakness, poor muscular coordination (ataxia), abnormal sensations (paresthesia), decreased muscular tone (hypotonia), visual disturbances and pain which may be suddenly incapacitating. With each recurring episode, these symptoms may become more pronounced and remain for longer periods of time. Other diseases have more insidious onsets and display symptoms of muscle wasting (atrophy), swelling and paresthesia which may not suddenly incapacitate a person but may restrict his/her movements and eventually interfere with the ability to safely operate a motor vehicle. In many instances these diseases are degenerative in nature or may result in deterioration of the involved area.

Once the individual has been diagnosed as having a rheumatic, arthritic, orthopedic, muscular, neuromuscular or vascular disease, then he/she has an established history of that disease. The physician, when examining an individual, should consider the following: (1) the nature and severity of the individual's condition (such as sensory loss or loss of strength); (2) the degree of limitation present (such as sensory loss or motion); (3) the likelihood of progressive limitation (not always present initially but may manifest itself over time); and (4) the likelihood of sudden incapacitation. If severe functional impairment exists, the driver does not qualify. In cases where more frequent monitoring is required, a certificate for a shorter period of time may be issued. (See Conference on Neurological Disorders and Commercial Drivers at: <http://www.fmcsa.dot.gov/rulesregs/medreports.htm>)

(See Conference on Pulmonary/Respiratory Disorders and Commercial Drivers at: <http://www.fmcsa.dot.gov/rulesregs/medreports.htm>)

Hypertension §391.41(b)(6)

A person is physically qualified to drive a commercial motor vehicle if that person:

Has no current clinical diagnosis of high blood pressure likely to interfere with ability to operate a commercial motor vehicle safely.

Hypertension alone is unlikely to cause sudden collapse; however, the likelihood increases when target organ damage, particularly cerebral vasculature, is present. This regulatory criteria is based on FMCSA's Cardiovascular Advisory Guidelines for the Examination of Commercial Motor Vehicle Drivers at: <http://www.fmcsa.dot.gov/rulesregs/medreports.htm>. The Joint National Committee on Detection, Evaluation, and Treatment of High Blood Pressure (1997).

Stage 1 hypertension corresponds to a systolic bp of 140-159 mmHg and/or a diastolic BP of 90-99 mmHg. The driver with a BP in this range is at low risk for hypertension-related acute incapacitation and may be medically certified to drive for a one-year period. Thereafter and should be at or less than 140/90. If less than 140/100, certification may be extended one time for 3 months.

A blood pressure of 160-179 systolic and/or 100-109 diastolic is considered Stage 2 hypertension, and the driver is not necessarily unqualified during evaluation and institution of treatment. The driver is given a one time certification of three months to reduce his or her blood pressure to less than or equal to 140/90. A blood pressure in this range is an absolute indication for anti-hypertensive drug therapy. Provided treatment is well tolerated and the driver demonstrates a BP value of 140/90 or less, he or she may be certified for one year from date of the initial exam.

The driver is certified annually thereafter (60 systolic) and 110 diastolic) as long as at Stage 3, high risk for an acute BP-related event. The driver may not be qualified, even temporarily, until reduced to 140/90 or less and treatment is well tolerated. The driver may be certified for 6 months and biannually (every 6 months) thereafter if at recheck BP is 140/90 or less.

Annual recertification is recommended if the medical examiner does not know the severity of hypertension prior to treatment.

An elevated blood pressure finding should be confirmed by at least two subsequent measurements on different days.

Treatment includes nonpharmacologic and pharmacologic modalities as well as counseling to other risk factors. Most antihypertensive medications also have side effects, the importance of which must be judged on an individual basis. Individuals must be alerted to the hazards of these medications while driving. Side effects in somnolence or syncope are particularly undesirable in commercial drivers.

Secondary hypertension is based on the above stages. Evaluation is warranted if patient is persistently hypertensive

accompanied by is designed to include a clinical diagnosis of a cardiovascular disease (1) which is accompanied by symptoms of syncope, dyspnea, collapse or congestive cardiac failure; and/or (2) which is likely to cause syncope, dyspnea, collapse or congestive cardiac failure. A driver who has a current cardiac disease which is accompanied by and/or likely to cause symptoms of syncope, dyspnea, collapse, or congestive cardiac failure. However, the subjective decision of whether the nature and severity of an individual's condition will likely cause symptoms of cardiovascular insufficiency is on an individual basis and qualification rests with the medical examiner and the motor carrier. In those cases where there is an occurrence of cardiovascular insufficiency (myocardial infarction, thrombosis, etc.), it is suggested before a driver is certified that the driver have a normal resting and stress electrocardiogram (ECG) and that there be no other medical or physical limitations. ECG is taking no medication likely to interfere with safe driving.

Coronary artery bypass surgery and pacemaker implantation are remedial procedures and thus, not unqualifying. Implantable cardioverter defibrillators are disqualifying due to risk of syncope. Coumadin is a medical treatment which can improve the health and safety of the driver and should not, by its use, medically disqualify the commercial driver. The emphasis should be on the underlying medical conditions which require treatment and the general prognosis. The FMCSA should be consulted for recommendations regarding the physical qualification of drivers on coumadin. (See Cardiovascular Advisory Panel Guidelines for the Medical Examination of Commercial Motor Vehicle Drivers at: <http://www.fmcsa.dot.gov/rulesregs/medreports.htm>)

Respiratory Dysfunction §391.41(b)(5)

A person is physically qualified to drive a commercial motor vehicle if that person:

Has no established medical history or clinical diagnosis of a respiratory condition likely to interfere with ability to control and drive a commercial motor vehicle safely.

Since a driver must be alert at all times, any change in his or her mental state is in direct conflict with highway safety. Even the slightest impairment in respiratory function under emergency conditions (when greater oxygen supply is necessary for performance) may be detrimental to safe driving.

There are many conditions that interfere with oxygen exchange and may result in incapacitation, including emphysema, chronic asthma, carcinoma, tuberculosis, and other lung diseases. The physician, when examining an individual, should consider the following: (1) the nature and severity of the individual's condition (such as sensory loss or motion); (2) the degree of limitation present (such as sensory loss or motion); (3) the likelihood of progressive limitation (not always present initially but may manifest itself over time); and (4) the likelihood of sudden incapacitation. If severe functional impairment exists, the driver does not qualify. In cases where more frequent monitoring is required, a certificate for a shorter period of time may be issued. (See Conference on Neurological Disorders and Commercial Drivers at: <http://www.fmcsa.dot.gov/rulesregs/medreports.htm>)

Epilepsy

§ 391.41(a)(8)

A person is physically qualified to drive a commercial motor vehicle if that person:

- Has no established medical history or clinical diagnosis of epilepsy or any other condition which is likely to cause loss of consciousness or any loss of ability to control a motor vehicle.*

Epilepsy is a chronic functional disease characterized by seizures or episodes that occur without warning, resulting in loss of voluntary control which may lead to loss of consciousness and/or injuries. Therefore, the following drivers cannot be qualified: (1) a driver who has had a seizure or seizure-like episode; (2) a driver who has a current clinical diagnosis of epilepsy; or (3) a driver who is taking antiseizure medication.

If an individual has had a sudden episode of a nonepileptic seizure or loss of consciousness of unknown cause which did not require antiseizure medication, the decision as to whether that person's condition will likely cause loss of consciousness or loss of ability to control a motor vehicle is made on an individual basis by the medical examiner in consultation with the treating physician. Before certification is considered, it is suggested that a 6-month waiting period, to be suggested that the individual have a complete neurological examination. If the results of the examination are negative and antiseizure medication is not required, then the driver may be qualified.

In those individual cases where a driver has a seizure or an episode of loss of consciousness that resulted from a known medical condition (e.g., drug reaction, high temperature, acute infectious disease, dehydration or acute metabolic disturbance), certification should be deferred until the driver has fully recovered from that condition and has no existing residual complications, and the driver is able to drive safely.

Drivers with a history of epilepsy/seizures off antiseizure medication and seizure-free for 10 years may be qualified to drive a CMV in interstate commerce. Interstate drivers with a history of a single unprovoked seizure may be qualified to drive a CMV in interstate commerce if seizure-free and off antiseizure medication for a 5-year period or more.

(See Conference on Neurological Disorders and Commercial Drivers at: <http://www.fmcsa.dot.gov/rulesregs/medreports.htm>)

Mental Disorders

§ 391.41(b)(9)

A person is physically qualified to drive a commercial motor vehicle if that person:

- Has no mental, nervous, organic or functional disease or psychiatric disorder likely to interfere with ability to drive a motor vehicle safely.*

Emotional or adjustment problems contribute directly to an individual's level of memory, reasoning, attention, and judgment. These problems often underlie physical disorders. A variety of functional disorders can cause drowsiness, dizziness, and incoordination, including: loss of functional control and susceptibility to accidents while driving. Physical fatigue, headache, impaired coordination, recurring physical ailments and chronic "ragging" pain may be present to such a degree that certification for commercial driving is inadvisable. Somatic and psychosomatic complaints should be thoroughly examined when determining an individual's overall fitness to drive. Disorders of development, an incapacitating nature, even in the early stages of development, may warrant disqualification. Truck drivers have documented that nervous system adjustment problems are responsible for a significant fraction of their preventable accidents. The degree to which an individual is able to appreciate, evaluate and adequately respond to environmental strain and emotional stress is critical when assessing an individual's mental alertness and flexibility to cope with the stresses of commercial motor vehicle driving.

When examining the driver, it should be kept in mind that individuals who live under chronic emotional upsets may have deeply ingrained maladaptive or erratic behavior patterns. Emotional instability, depression, anxiety, and severe, aggressive, paranoid or severely depressed behavior greatly interfere with the driver's ability to drive safely. Those individuals who are highly susceptible to frequent states of emotional instability (schizophrenia, affective psychoses, paranoia, anxiety or depressive neuroses) may warrant disqualification. Careful consideration should be given to the side effects and interactions of medications in the overall qualification determination. See Psychiatric Conference Report for specific recommendations on the use of medications and for a list of drugs to be avoided.

(See Conference on Psychiatric Disorders and Commercial Drivers at: <http://www.fmcsa.dot.gov/rulesregs/medreports.htm>)

Vision

§ 391.41(b)(10)

A person is physically qualified to drive a commercial motor vehicle if that person:

- Has distant visual acuity of at least 20/40 (Snellen) in each eye with or without corrective lenses or visual acuity separately corrected to 20/40 (Snellen) or better with corrective lenses, distant binocular acuity of at least 20/40 (Snellen) in both eyes with or without corrective lenses, field of vision of at least 70 degrees in the horizontal meridian in each eye, and the ability to recognize the colors of traffic signals and devices showing status.*

The term "ability to recognize the colors of" is interpreted to mean if a person can recognize and distinguish among traffic control signals and devices showing standard red, green and amber, he or she meets the minimum standard, even though he or she may have some type of color perception deficiency. If certain color perception tests are administered, (such as Ishihara, Pseudoisochromatic, Yam) and doubtful findings are discovered, a controlled test using signal red, green and amber may be employed to determine the driver's ability to recognize these colors. Color lenses are permissible if there is sufficient evidence to indicate that the driver has good tolerance and is well adapted to their use. Use of a contact lens in one eye for distance visual acuity and another lens in the other eye for near vision is not acceptable, nor telescopic lenses acceptable for the driving of commercial motor vehicles.

If an individual meets the criteria by the use of glasses or contact lenses, the following statement, shall appear on the Medical Examiner's Certificate: "Qualified only if wearing corrective lenses."

CMV drivers who do not meet the Federal vision standard may call (202) 366-1790 for an application for a vision exemption.

(See Vision Disorders and Commercial Drivers at: <http://www.fmcsa.dot.gov/rulesregs/medreports.htm>)

Hearing

§ 391.41(b)(11)

A person is physically qualified to drive a commercial motor vehicle if that person:

- Has no hearing loss or hearing aid in the better ear of not less than 5 feet with or without the use of a hearing aid or, if tested by use of an audiometric device, does not have an average hearing loss in the better ear greater than 40 decibels at 500 Hz, 1,000 Hz, and 2,000 Hz with or without a hearing aid when the audiometric device is calibrated to American National Standard (formerly ADA Standard) Z24.5-1951.*

Since the prescribed standard under the FMCSRs is the American Standards Association (ANSI), it may be necessary to convert the audiometric results from the ISO standard to the ANSI standard. Examinations are included on the Medical Examination report form.

If an individual meets the criteria by using a hearing aid, the driver must wear that hearing aid and have it in operation at all times while driving. Also, the driver must be in possession of a spare power source for the hearing aid.

For the whispered voice test, the individual should be stationed at least 5 feet from the examiner with the ear being tested turned toward the examiner. The other ear is covered. Using the breath which remains after a normal expiration, the examiner whispers words or random numbers such as 66, 19,

23, etc. The examiner should not use only eibants (is soundng materials). The opposite ear should be tested in the same manner. If the individual fails the whispered voice test, the audiometric test should be administered.

If an individual meets the criteria by the use of a hearing aid, the following statement must appear on the Medical Examiner's Certificate "Qualified only when wearing a hearing aid."

(See Hearing Disorders and Commercial Motor Vehicle Drivers at: <http://www.fmcsa.dot.gov/rulesregs/medreports.htm>)

Drug Use
§391.41(b)(12)

A person is physically qualified to drive a commercial motor vehicle if that person:

Does not use a controlled substance identified in 21 CFR 1308.11, Schedule I, an amphetamine, a narcotic, or any other habit-forming drug. Exception. A driver may use such a substance or drug, if the substance or drug is prescribed by a licensed medical practitioner who is familiar with the driver's medical history and has advised the driver that the prescribed substance or drug will not adversely affect the driver's ability to safely operate a commercial motor vehicle.

This exception does not apply to methadone. The intent of the medical certification process is to medically evaluate a driver to ensure that the driver has no medical condition which interferes with the safe performance of driving tasks on a public road. If a driver uses a Schedule I drug or other substance, an amphetamine, a narcotic, or any other habit-forming drug, it may be cause for the driver to be found medically unqualified. For example, a driver's condition is not considered a "habit-forming substance" if the effects transients and if the use of that drug does not require medical supervision.

A test for controlled substances is not required as part of this biennial certification process. The FMCSA or the driver's employer should be contacted directly for information on controlled substances and alcohol testing under Part 392 of the FMCSRs.

The term "uses" is designed to encompass instances of prohibited drug use determined by a physician through established medical means. This may or may not involve body fluid testing. If body fluid testing takes place, the driver's urine should be tested for controlled substances, opiates or specifically. The term "habit-forming" is intended to include a drug or medication generally recognized as capable of becoming habitual, and which may impair the user's ability to operate a commercial motor vehicle safely.

The driver is medically unqualified for the duration of the prohibited drug(s) use and until a second examination shows the driver is free from the prohibited drug(s) use. Recertification may involve a substance abuse evaluation, the successful completion of a drug rehabilitation program, and a period of time during which the driver is under medical supervision for not less than 2 years. The examiner has the option to certify for a period of less than 2 years if this examiner determines more frequent monitoring is required. (See Conference on Neurological Disorders and Commercial Drivers and Conference on Psychiatric Disorders and Commercial Drivers at: <http://www.fmcsa.dot.gov/rulesregs/medreports.htm>)

Alcoholism
§391.41(b)(13)

A person is physically qualified to drive a commercial motor vehicle if that person:

Has no current clinical diagnosis of alcoholism. The term "current clinical diagnosis of" is specifically designed to encompass a current alcoholic illness or those instances where the individual's physical condition has not fully stabilized, regardless of the time element. If an individual shows signs of having an alcohol-use problem, he or she should be referred to a specialist. After counseling and/or treatment, he or she may be considered for certification.

(g) If the medical examiner finds that the person he/she examined is physically qualified to drive a commercial motor vehicle in accordance with §391.41(b), the medical examiner shall complete a certificate in the form prescribed in paragraph (h) of this section and furnish one copy to the person who

was examined and one copy to the motor carrier that employs him/her.

(h) The medical examiner's certificate shall be substantially in accordance with the following form. Existing forms may be used until current printed supplies are depleted or until November 6, 2001, whichever occurs first.

MEDICAL EXAMINER'S CERTIFICATE

I certify that I have examined _____ in accordance with the Federal Motor Carrier Safety Regulations (49 CFR 391.41-391.49) and with knowledge of the driving duties, I find this person is qualified; and, if applicable, only when:

- wearing corrective lenses _____ driving within an exempt intracity zone (49 CFR 391.62)
- wearing hearing aid _____ accompanied by a Skill Performance Evaluation Certificate (SPE)
- accompanied by a _____ waiver/exemption _____ Qualified by operation of 49 CFR 391.64

The information I have provided regarding this physical examination is true and complete. A complete examination form with any attachment embodies my findings completely and correctly, and is on file in my office.

SIGNATURE OF MEDICAL EXAMINER	TELEPHONE	DATE
MEDICAL EXAMINER'S NAME (PRINT)	<input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> Physician Assistant	<input type="checkbox"/> Chiropractor <input type="checkbox"/> Advanced Practice Nurse
MEDICAL EXAMINER'S LICENSE OR CERTIFICATE NO. / ISSUING STATE		
SIGNATURE OF DRIVER	DRIVER'S LICENSE NO. STATE	
ADDRESS OF DRIVER		
MEDICAL CERTIFICATE EXPIRATION DATE		

[35 FR 6460, Apr. 22, 1970, as amended at 68 FR 56199, Sept. 30, 2003]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 391.43, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 391.45 Persons who must be medically examined and certified.

Except as provided in § 391.67, the following persons must be medically examined and certified in accordance with § 391.43 as physically qualified to operate a commercial motor vehicle:

(a) Any person who has not been medically examined and certified as physically qualified to operate a commercial motor vehicle;

(b)(1) Any driver who has not been medically examined and certified as qualified to operate a commercial motor vehicle during the preceding 24 months; or

(2) Any driver authorized to operate a commercial motor vehicle only with an exempt intracity zone pursuant to § 391.62, or only by operation of the exemption in § 391.64, if such driver has not been medically examined and certified as qualified to drive in such zone during the preceding 12 months; and

(c) Any driver whose ability to perform his/her normal duties has been impaired by a physical or mental injury or disease.

[35 FR 6460, Apr. 22, 1970, as amended at 36 FR 223, Jan. 7, 1971; 54 FR 12202, Mar. 24, 1989; 61 FR 13347, Mar. 26, 1996]

§ 391.47 Resolution of conflicts of medical evaluation.

(a) *Applications.* Applications for determination of a driver's medical qualifications under standards in this part will only be accepted if they conform to the requirements of this section.

(b) *Content.* Applications will be accepted for consideration only if the following conditions are met.

(1) The application must contain the name and address of the driver, motor carrier, and all physicians involved in the proceeding.

(2) The applicant must submit proof that there is a disagreement between the physician for the driver and the physician for the motor carrier concerning the driver's qualifications.

(3) The applicant must submit a copy of an opinion and report including results of all tests of an impartial medical specialist in the field in which the medical conflict arose. The specialist should be one agreed to by the motor carrier and the driver.

(i) In cases where the driver refuses to agree on a specialist and the applicant is the motor carrier, the applicant must submit a statement of his/her agreement to submit the matter to an impartial medical specialist in the field, proof that he/she has requested the driver to submit to the medical specialist, and the response, if any, of the driver to his/her request.

(ii) In cases where the motor carrier refuses to agree on a medical specialist, the driver must submit an opinion and test results of an impartial medical specialist, proof that he/she has requested the motor carrier to agree to submit the matter to the medical specialist and the response, if any, of the motor carrier to his/her request.

(4) The applicant must include a statement explaining in detail why the decision of the medical specialist identified in paragraph (b)(3) of this section, is unacceptable.

(5) The applicant must submit proof that the medical specialist mentioned in paragraph (b)(3) of this section was provided, prior to his/her determination, the medical history of the driver and an agreed-upon statement of the work the driver performs.

(6) The applicant must submit the medical history and statement of work provided to the medical specialist under paragraph (b)(5) of this section.

(7) The applicant must submit all medical records and statements of the physicians who have given opinions on the driver's qualifications.

(8) The applicant must submit a description and a copy of all written and documentary evidence upon which the party making application relies in the form set out in 49 CFR 386.37.

(9) The application must be accompanied by a statement of the driver that he/she intends to drive in interstate commerce not subject to the commercial zone exemption or a statement of the carrier that he/she has used or intends to use the driver for such work.

(10) The applicant must submit three copies of the application and all records.

(c) *Information.* The Director, Office of Bus and Truck Standards and Operations (MC-PSDPSD) may request further information from the applicant if

he/she determines that a decision cannot be made on the evidence submitted. If the applicant fails to submit the information requested, the Director may refuse to issue a determination.

(d)(1) *Action*. Upon receiving a satisfactory application the Director, Office of Bus and Truck Standards and Operations (MC-PSDPSD) shall notify the parties (the driver, motor carrier, or any other interested party) that the application has been accepted and that a determination will be made. A copy of all evidence received shall be attached to the notice.

(2) *Reply*. Any party may submit a reply to the notification within 15 days after service. Such reply must be accompanied by all evidence the party wants the Director, Office of Bus and Truck Standards and Operations (MC-PSDPSD) to consider in making his/her determination. Evidence submitted should include all medical records and test results upon which the party relies.

(3) *Parties*. A party for the purposes of this section includes the motor carrier and the driver, or anyone else submitting an application.

(e) *Petitions to review, burden of proof*. The driver or motor carrier may petition to review the Director's determination. Such petition must be submitted in accordance with § 386.13(a) of this chapter. The burden of proof in such a proceeding is on the petitioner.

(f) *Status of driver*. Once an application is submitted to the Director, Office of Bus and Truck Standards and Operations (MC-PSDPSD), the driver shall be deemed disqualified until such time as the Director, Office of Bus and Truck Standards and Operations (MC-PSDPSD) makes a determination, or until the Director, Office of Bus and Truck Standards and Operations (MC-PSDPSD) orders otherwise.

(49 U.S.C. 304, 322; 18 U.S.C. 831–835; Pub. L. 93–633, 88 Stat. 8156 (49 U.S.C. 1801, *et seq.*); 49 CFR 1.48, 301.60)

[42 FR 18081, Apr. 5, 1977, as amended at 42 FR 53966, Oct. 4, 1977; 60 FR 38746, July 28, 1995]

§ 391.49 Alternative physical qualification standards for the loss or impairment of limbs.

(a) A person who is not physically qualified to drive under § 391.41(b)(1) or (b)(2) and who is otherwise qualified to drive a commercial motor vehicle, may drive a commercial motor vehicle, if the Division Administrator, FMCSA, has granted a Skill Performance Evaluation (SPE) Certificate to that person.

(b) *SPE certificate*.—(1) *Application*. A letter of application for an SPE certificate may be submitted jointly by the person (driver applicant) who seeks an SPE certificate and by the motor carrier that will employ the driver applicant, if the application is accepted.

(2) *Application address*. The application must be addressed to the applicable field service center, FMCSA, for the State in which the co-applicant motor carrier's principal place of business is located. The address of each, and the States serviced, are listed in § 390.27 of this chapter.

(3) *Exception*. A letter of application for an SPE certificate may be submitted unilaterally by a driver applicant. The application must be addressed to the field service center, FMCSA, for the State in which the driver has legal residence. The driver applicant must comply with all the requirements of paragraph (c) of this section except those in (c)(1)(i) and (iii). The driver applicant shall respond to the requirements of paragraphs (c)(2)(i) to (v) of this section, if the information is known.

(c) A letter of application for an SPE certificate shall contain:

- (1) Identification of the applicant(s):
 - (i) Name and complete address of the motor carrier coapplicant;
 - (ii) Name and complete address of the driver applicant;
 - (iii) The U.S. DOT Motor Carrier Identification Number, if known; and
 - (iv) A description of the driver applicant's limb impairment for which SPE certificate is requested.

(2) Description of the type of operation the driver will be employed to perform:

(i) State(s) in which the driver will operate for the motor carrier co-applicant (if more than 10 States, designate general geographic area only);

(ii) Average period of time the driver will be driving and/or on duty, per day;

(iii) Type of commodities or cargo to be transported;

(iv) Type of driver operation (*i.e.*, sleeper team, relay, owner operator, etc.); and

(v) Number of years experience operating the type of commercial motor vehicle(s) requested in the letter of application and total years of experience operating all types of commercial motor vehicles.

(3) Description of the commercial motor vehicle(s) the driver applicant intends to drive:

(i) Truck, truck tractor, or bus make, model, and year (if known);

(ii) Drive train;

(A) Transmission type (automatic or manual—if manual, designate number of forward speeds);

(B) Auxiliary transmission (if any) and number of forward speeds; and

(C) Rear axle (designate single speed, 2 speed, or 3 speed).

(iii) Type of brake system;

(iv) Steering, manual or power assisted;

(v) Description of type of trailer(s) (*i.e.*, van, flatbed, cargo tank, drop frame, lowboy, or pole);

(vi) Number of semitrailers or full trailers to be towed at one time;

(vii) For commercial motor vehicles designed to transport passengers, indicate the seating capacity of commercial motor vehicle; and

(viii) Description of any modification(s) made to the commercial motor vehicle for the driver applicant; attach photograph(s) where applicable.

(4) Otherwise qualified:

(i) The coapplicant motor carrier must certify that the driver applicant is otherwise qualified under the regulations of this part;

(ii) In the case of a unilateral application, the driver applicant must certify that he/she is otherwise qualified under the regulations of this part.

(5) Signature of applicant(s):

(i) Driver applicant's signature and date signed;

(ii) Motor carrier official's signature (if application has a coapplicant), title, and date signed. Depending upon the motor carrier's organizational structure (corporation, partnership, or proprietorship), the signer of the application shall be an officer, partner, or the proprietor.

(d) The letter of application for an SPE certificate shall be accompanied by:

(1) A copy of the results of the medical examination performed pursuant to § 391.43;

(2) A copy of the medical certificate completed pursuant to § 391.43(h);

(3) A medical evaluation summary completed by either a board qualified or board certified physiatrist (doctor of physical medicine) or orthopedic surgeon. The coapplicant motor carrier or the driver applicant shall provide the physiatrist or orthopedic surgeon with a description of the job-related tasks the driver applicant will be required to perform;

(i) The medical evaluation summary for a driver applicant disqualified under § 391.41(b)(1) shall include:

(A) An assessment of the functional capabilities of the driver as they relate to the ability of the driver to perform normal tasks associated with operating a commercial motor vehicle; and

(B) A statement by the examiner that the applicant is capable of demonstrating precision prehension (*e.g.*, manipulating knobs and switches) and power grasp prehension (*e.g.*, holding and maneuvering the steering wheel) with each upper limb separately. This requirement does not apply to an individual who was granted a waiver, absent a prosthetic device, prior to the publication of this amendment.

(ii) The medical evaluation summary for a driver applicant disqualified under § 391.41(b)(2) shall include:

(A) An explanation as to how and why the impairment interferes with the ability of the applicant to perform normal tasks associated with operating a commercial motor vehicle;

(B) An assessment and medical opinion of whether the condition will likely remain medically stable over the lifetime of the driver applicant; and

(C) A statement by the examiner that the applicant is capable of demonstrating precision prehension (*e.g.*, manipulating knobs and switches) and power grasp prehension (*e.g.*, holding and maneuvering the steering wheel) with each upper limb separately. This requirement does not apply to an individual who was granted an SPE certificate, absent an orthotic device, prior to the publication of this amendment.

(4) A description of the driver applicant's prosthetic or orthotic device worn, if any;

(5) Road test:

(i) A copy of the driver applicant's road test administered by the motor carrier coapplicant and the certificate issued pursuant to §391.31(b) through (g); or

(ii) A unilateral applicant shall be responsible for having a road test administered by a motor carrier or a person who is competent to administer the test and evaluate its results.

(6) Application for employment:

(i) A copy of the driver applicant's application for employment completed pursuant to §391.21; or

(ii) A unilateral applicant shall be responsible for submitting a copy of the last commercial driving position's employment application he/she held. If not previously employed as a commercial driver, so state.

(7) A copy of the driver applicant's SPE certificate of certain physical defects issued by the individual State(s), where applicable; and

(8) A copy of the driver applicant's State Motor Vehicle Driving Record for the past 3 years from each State in which a motor vehicle driver's license or permit has been obtained.

(e) *Agreement.* A motor carrier that employs a driver with an SPE certificate agrees to:

(1) File promptly (within 30 days of the involved incident) with the Medical Program Specialist, FMCSA service center, such documents and information as may be required about driving activities, accidents, arrests, license suspensions, revocations, or withdrawals, and convictions which involve the driver applicant. This applies whether the driver's SPE certificate is a unilateral one or has a coapplicant motor carrier;

(i) A motor carrier who is a coapplicant must file the required documents with the Medical Program Specialist, FMCSA for the State in which the carrier's principal place of business is located; or

(ii) A motor carrier who employs a driver who has been issued a unilateral SPE certificate must file the required documents with the Medical Program Specialist, FMCSA service center, for the State in which the driver has legal residence.

(2) Evaluate the driver with a road test using the trailer the motor carrier intends the driver to transport or, in lieu of, accept a certificate of a trailer road test from another motor carrier if the trailer type(s) is similar, or accept the trailer road test done during the Skill Performance Evaluation if it is a similar trailer type(s) to that of the prospective motor carrier. Job tasks, as stated in paragraph (e)(3) of this section, are not evaluated in the Skill Performance Evaluation;

(3) Evaluate the driver for those non-driving safety related job tasks associated with whatever type of trailer(s) will be used and any other nondriving safety related or job related tasks unique to the operations of the employing motor carrier; and

(4) Use the driver to operate the type of commercial motor vehicle defined in the SPE certificate only when the driver is in compliance with the conditions and limitations of the SPE certificate.

(f) The driver shall supply each employing motor carrier with a copy of the SPE certificate.

(g) The State Director, FMCSA, may require the driver applicant to demonstrate his or her ability to safely operate the commercial motor vehicle(s) the driver intends to drive to an agent of the State Director, FMCSA. The SPE certificate form will identify the power unit (bus, truck, truck tractor) for which the SPE certificate has been granted. The SPE certificate forms will also identify the trailer type used in the Skill Performance Evaluation; however, the SPE certificate is not limited to that specific trailer type. A driver may use the SPE certificate with other trailer types if a successful trailer road test is completed in accordance with paragraph (e)(2) of this

section. Job tasks, as stated in paragraph (e)(3) of this section, are not evaluated during the Skill Performance Evaluation.

(h) The State Director, FMCSA, may deny the application for SPE certificate or may grant it totally or in part and issue the SPE certificate subject to such terms, conditions, and limitations as deemed consistent with the public interest. The SPE certificate is valid for a period not to exceed 2 years from date of issue, and may be renewed 30 days prior to the expiration date.

(1) The SPE certificate renewal application shall be submitted to the Medical Program Specialist, FMCSA service center, for the State in which the driver has legal residence, if the SPE certificate was issued unilaterally. If the SPE certificate has a coapplicant, then the renewal application is submitted to the Medical Program Specialist, FMCSA field service center, for the State in which the coapplicant motor carrier's principal place of business is located. The SPE certificate renewal application shall contain the following:

(1) Name and complete address of motor carrier currently employing the applicant;

(2) Name and complete address of the driver;

(3) Effective date of the current SPE certificate;

(4) Expiration date of the current SPE certificate;

(5) Total miles driven under the current SPE certificate;

(6) Number of accidents incurred while driving under the current SPE certificate, including date of the accident(s), number of fatalities, number of injuries, and the estimated dollar amount of property damage;

(7) A current medical examination report;

(8) A medical evaluation summary pursuant to paragraph (d)(3) of this section, if an unstable medical condition exists. All handicapped conditions classified under §391.41(b)(1) are considered unstable. Refer to paragraph (d)(3)(ii) of this section for the condition under §391.41(b)(2) which may be considered medically stable.

(9) A copy of driver's current State motor vehicle driving record for the pe-

riod of time the current SPE certificate has been in effect;

(10) Notification of any change in the type of tractor the driver will operate;

(11) Driver's signature and date signed; and

(12) Motor carrier coapplicant's signature and date signed.

(j)(1) Upon granting an SPE certificate, the State Director, FMCSA, will notify the driver applicant and co-applicant motor carrier (if applicable) by letter. The terms, conditions, and limitations of the SPE certificate will be set forth. A motor carrier shall maintain a copy of the SPE certificate in its driver qualification file. A copy of the SPE certificate shall be retained in the motor carrier's file for a period of 3 years after the driver's employment is terminated. The driver applicant shall have the SPE certificate (or a legible copy) in his/her possession whenever on duty.

(2) Upon successful completion of the skill performance evaluation, the State Director, FMCSA, for the State where the driver applicant has legal residence, must notify the driver by letter and enclose an SPE certificate substantially in the following form:

Skill Performance Evaluation Certificate

Name of Issuing Agency: _____

Agency Address: _____

Telephone Number: () _____

Issued Under 49 CFR 391.49, subchapter B of the Federal Motor Carrier Safety Regulations

Driver's Name: _____

Effective Date: _____

SSN: _____

DOB: _____

Expiration Date: _____

Address: _____

Driver Disability: _____

Check One: New Renewal

Driver's License: _____

(State) (Number)

In accordance with 49 CFR 391.49, subchapter B of the Federal Motor Carrier Safety Regulations (FMCSRs), the driver application for a skill performance evaluation (SPE) certificate is hereby granted authorizing the above-named driver to operate in interstate or foreign commerce under the provisions set forth below. This certificate is granted for the period shown above, not to exceed 2 years, subject to periodic review as

may be found necessary. This certificate may be renewed upon submission of a renewal application. Continuation of this certificate is dependent upon strict adherence by the above-named driver to the provisions set forth below and compliance with the FMCSRs. Any failure to comply with provisions herein may be cause for cancellation.

CONDITIONS: As a condition of this certificate, reports of all accidents, arrests, suspensions, revocations, withdrawals of driver licenses or permits, and convictions involving the above-named driver shall be reported in writing to the Issuing Agency by the EMPLOYING MOTOR CARRIER within 30 days after occurrence.

LIMITATIONS:

- 1. Vehicle Type (power unit):* _____
- 2. Vehicle modification(s): _____
- 3. Prosthetic or Orthotic device(s) (Required to be Worn While Driving): _____
- 4. Additional Provision(s): _____

NOTICE: To all MOTOR CARRIERS employing a driver with an SPE certificate. This certificate is granted for the operation of the *power unit only*. It is the responsibility of the employing motor carrier to evaluate the driver with a road test using the trailer type(s) the motor carrier intends the driver to transport, or in lieu of, accept the trailer road test done during the SPE if it is a similar trailer type(s) to that of the prospective motor carrier. Also, it is the responsibility of the employing motor carrier to evaluate the driver for those non-driving safety-related job tasks associated with the type of trailer(s) utilized, as well as, any other non-driving safety-related or job-related tasks unique to the operations of the employing motor carrier.

The SPE of the above named driver was given by a Skill Performance Evaluation Program Specialist. It was successfully completed utilizing the above named power unit and _____ (trailer, if applicable)

The tractor or truck had a _____ transmission.

Please read the NOTICE paragraph above.

Name: _____
 Signature: _____
 Title: _____
 Date: _____

(k) The State Director, FMCSA, may revoke an SPE certificate after the person to whom it was issued is given notice of the proposed revocation and has been allowed a reasonable opportunity to appeal.

(l) Falsifying information in the letter of application, the renewal application, or falsifying information required

by this section by either the applicant or motor carrier is prohibited.

[65 FR 25287, May 1, 2000, as amended at 65 FR 59380, Oct. 5, 2000; 67 FR 61824, Oct. 2, 2002]

Subpart F—Files and Records

§391.51 General requirements for driver qualification files.

(a) Each motor carrier shall maintain a driver qualification file for each driver it employs. A driver's qualification file may be combined with his/her personnel file.

(b) The qualification file for a driver must include:

(1) The driver's application for employment completed in accordance with §391.21;

(2) A copy of the response by each State agency concerning a driver's driving record pursuant to §391.23(a)(1);

(3) The certificate of driver's road test issued to the driver pursuant to §391.31(e), or a copy of the license or certificate which the motor carrier accepted as equivalent to the driver's road test pursuant to §391.33;

(4) The response of each State agency to the annual driver record inquiry required by §391.25(a);

(5) A note relating to the annual review of the driver's driving record as required by §391.25(c)(2);

(6) A list or certificate relating to violations of motor vehicle laws and ordinances required by §391.27;

(7) The medical examiner's certificate of his/her physical qualification to drive a commercial motor vehicle as required by §391.43(f) or a legible photographic copy of the certificate; and

(8) A letter from the Field Administrator, Division Administrator, or State Director granting a waiver of a physical disqualification, if a waiver was issued under §391.49.

(c) Except as provided in paragraph (d) of this section, each driver's qualification file shall be retained for as long as a driver is employed by that motor carrier and for three years thereafter.

(d) The following records may be removed from a driver's qualification file three years after the date of execution:

(1) The response of each State agency to the annual driver record inquiry required by §391.25(a);

(2) The note relating to the annual review of the driver's driving record as required by §391.25(c)(2);

(3) The list or certificate relating to violations of motor vehicle laws and ordinances required by §391.27;

(4) The medical examiner's certificate of the driver's physical qualification to drive a commercial motor vehicle or the photographic copy of the certificate as required by §391.43(f); and

(5) The letter issued under §391.49 granting a waiver of a physical disqualification.

(Approved by the Office of Management and Budget under control number 2126-004)

[63 FR 33277, June 18, 1998, as amended at 69 FR 16721, Mar. 30, 2004]

§391.53 Driver investigation history file.

(a) After October 29, 2004, each motor carrier must maintain records relating to the investigation into the safety performance history of a new or prospective driver pursuant to paragraphs (d) and (e) of §391.23. This file must be maintained in a secure location with controlled access.

(1) The motor carrier must ensure that access to this data is limited to those who are involved in the hiring decision or who control access to the data. In addition, the motor carrier's insurer may have access to the data, except the alcohol and controlled substances data.

(2) This data must only be used for the hiring decision.

(b) The file must include:

(1) A copy of the driver's written authorization for the motor carrier to seek information about a driver's alcohol and controlled substances history as required under §391.23(d).

(2) A copy of the response(s) received for investigations required by paragraphs (d) and (e) of §391.23 from each previous employer, or documentation of good faith efforts to contact them. The record must include the previous employer's name and address, the date the previous employer was contacted, and the information received about the driver from the previous employer. Failures to contact a previous employer, or of them to provide the required safety performance history information, must be documented.

(c) The safety performance histories received from previous employers for a driver who is hired must be retained for as long as the driver is employed by that motor carrier and for three years thereafter.

(d) A motor carrier must make all records and information in this file available to an authorized representative or special agent of the Federal Motor Carrier Safety Administration, an authorized State or local enforcement agency representative, or an authorized third party, upon request or as part of any inquiry within the time period specified by the requesting representative.

(Approved by the Office of Management and Budget under control number 2126-004)

[69 FR 16721, Mar. 30, 2004]

§391.55 LCV Driver-Instructor qualification file.

(a) Each motor carrier must maintain a qualification file for each LCV driver-instructor it employs or uses. The LCV driver-instructor qualification file may be combined with his/her personnel file.

(b) The LCV driver-instructor qualification file must include the information in paragraphs (b)(1) and (b)(2) of this section for a skills instructor or the information in paragraph (b)(1) of this section for a classroom instructor, as follows:

(1) Evidence that the instructor has met the requirements of 49 CFR 380.301 or 380.303;

(2) A photographic copy of the individual's currently valid CDL with the appropriate endorsements.

[69 FR 16738, Mar. 30, 2004; 69 FR 28846, May 19, 2004]

Subpart G—Limited Exemptions

§391.61 Drivers who were regularly employed before January 1, 1971.

The provisions of §391.21 (relating to applications for employment), §391.23 (relating to investigations and inquiries), and §391.33 (relating to road tests) do not apply to a driver who has been a single-employer driver (as defined in §390.5 of this subchapter) of a motor carrier for a continuous period which began before January 1, 1971, as long as

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he/she continues to be a single-employer driver of that motor carrier.

[63 FR 33278, June 18, 1998]

§ 391.62 Limited exemptions for intracity zone drivers.

The provisions of §§ 391.11(b)(1) and 391.41(b)(1) through (b)(11) do not apply to a person who:

(a) Was otherwise qualified to operate and operated a commercial motor vehicle in a municipality or exempt intracity zone thereof throughout the one-year period ending November 18, 1988;

(b) Meets all the other requirements of this section;

(c) Operates wholly within the exempt intracity zone (as defined in 49 CFR 390.5);

(d) Does not operate a vehicle used in the transportation of hazardous materials in a quantity requiring placarding under regulations issued by the Secretary under 49 U.S.C. chapter 51.; and

(e) Has a medical or physical condition which:

(1) Would have prevented such person from operating a commercial motor vehicle under the Federal Motor Carrier Safety Regulations contained in this subchapter;

(2) Existed on July 1, 1988, or at the time of the first required physical examination after that date; and

(3) The examining physician has determined this condition has not substantially worsened since July 1, 1988, or at the time of the first required physical examination after that date.

[61 FR 13346, Mar. 26, 1996; 61 FR 17253, Apr. 19, 1996]

§ 391.63 Multiple-employer drivers.

(a) If a motor carrier employs a person as a multiple-employer driver (as defined in § 390.5 of this subchapter), the motor carrier shall comply with all requirements of this part, except that the motor carrier need not—

(1) Require the person to furnish an application for employment in accordance with § 391.21;

(2) Make the investigations and inquiries specified in § 391.23 with respect to that person;

(3) Perform the annual driving record inquiry required by § 391.25(a);

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(4) Perform the annual review of the person's driving record required by § 391.25(b); or

(5) Require the person to furnish a record of violations or a certificate in accordance with § 391.27.

(b) Before a motor carrier permits a multiple-employer driver to drive a commercial motor vehicle, the motor carrier must obtain his/her name, his/her social security number, and the identification number, type and issuing State of his/her commercial motor vehicle operator's license. The motor carrier must maintain this information for three years after employment of the multiple-employer driver ceases.

(Approved by the Office of Management and Budget under control number 2125–0081)

[63 FR 33278, June 18, 1998]

§ 391.64 Grandfathering for certain drivers participating in vision and diabetes waiver study programs.

(a) The provisions of § 391.41(b)(3) do not apply to a driver who was a participant in good standing on March 31, 1996, in a waiver study program concerning the operation of commercial motor vehicles by insulin-controlled diabetic drivers; *provided*:

(1) The driver is physically examined every year, including an examination by a board-certified/eligible endocrinologist attesting to the fact that the driver is:

(i) Otherwise qualified under § 391.41;

(ii) Free of insulin reactions (an individual is free of insulin reactions if that individual does not have severe hypoglycemia or hypoglycemia unawareness, and has less than one documented, symptomatic hypoglycemic reaction per month);

(iii) Able to and has demonstrated willingness to properly monitor and manage his/her diabetes; and

(iv) Not likely to suffer any diminution in driving ability due to his/her diabetic condition.

(2) The driver agrees to and complies with the following conditions:

(i) A source of rapidly absorbable glucose shall be carried at all times while driving;

(ii) Blood glucose levels shall be self-monitored one hour prior to driving and at least once every four hours

while driving or on duty prior to driving using a portable glucose monitoring device equipped with a computerized memory;

(iii) Submit blood glucose logs to the endocrinologist or medical examiner at the annual examination or when otherwise directed by an authorized agent of the FMCSA;

(iv) Provide a copy of the endocrinologist's report to the medical examiner at the time of the annual medical examination; and

(v) Provide a copy of the annual medical certification to the employer for retention in the driver's qualification file and retain a copy of the certification on his/her person while driving for presentation to a duly authorized Federal, State or local enforcement official.

(b) The provisions of §391.41(b)(10) do not apply to a driver who was a participant in good standing on March 31, 1996, in a waiver study program concerning the operation of commercial motor vehicles by drivers with visual impairment in one eye; *provided:*

(1) The driver is physically examined every year, including an examination by an ophthalmologist or optometrist attesting to the fact that the driver:

(i) Is otherwise qualified under §391.41; and

(ii) Continues to measure at least 20/40 (Snellen) in the better eye.

(2) The driver provides a copy of the ophthalmologist or optometrist report to the medical examiner at the time of the annual medical examination.

(3) The driver provides a copy of the annual medical certification to the employer for retention in the driver's qualification file and retains a copy of the certification on his/her person while driving for presentation to a duly authorized federal, state or local enforcement official.

[61 FR 13346, Mar. 26, 1996]

§ 391.65 Drivers furnished by other motor carriers.

(a) A motor carrier may employ a driver who is not a regularly employed driver of that motor carrier without complying with the generally applicable driver qualification file requirements in this part, if—

(1) The driver is regularly employed by another motor carrier; and

(2) The motor carrier which regularly employs the driver certifies that the driver is fully qualified to drive a commercial motor vehicle in a written statement which—

(i) Is signed and dated by an officer or authorized employee of the regularly employing carrier;

(ii) Contains the driver's name and signature;

(iii) Certifies that the driver has been regularly employed as defined in §390.5;

(iv) Certifies that the driver is fully qualified to drive a commercial motor vehicle under the rules in part 391 of the Federal Motor Carrier Safety Regulations;

(v) States the expiration date of the driver's medical examiner's certificate;

(vi) Specifies an expiration date for the certificate, which shall be not longer than 2 years or, if earlier, the expiration date of the driver's current medical examiner's certificate; and

(vii) After April 1, 1977, is substantially in accordance with the following form:

(Name of driver)

(SS No.)
(Signature of driver)

I certify that the above named driver, as defined in §390.5 is regularly driving a commercial motor vehicle operated by the below named carrier and is fully qualified under part 391, Federal Motor Carrier Safety Regulations. His/her current medical examiner's certificate expires on _____ (Date)
This certificate expires:

(Date not later than expiration date of medical certificate)
Issued on _____ (date)
Issued by _____
(Name of carrier)
(Address)
(Signature)
(Title)

(b) A motor carrier that obtains a certificate in accordance with paragraph (a)(2) of this section shall:

(1) Contact the motor carrier which certified the driver's qualifications under this section to verify the validity of the certificate. This contact may

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be made in person, by telephone, or by letter.

(2) Retain a copy of that certificate in its files for three years.

(c) A motor carrier which certifies a driver's qualifications under this section shall be responsible for the accuracy of the certificate. The certificate is no longer valid if the driver leaves the employment of the motor carrier which issued the certificate or is no longer qualified under the rules in this part.

[41 FR 36656, Aug. 31, 1976, as amended at 53 FR 18057, May 19, 1988; 60 FR 38745, July 28, 1995; 63 FR 33278, June 18, 1998; 67 FR 61824, Oct. 2, 2002]

§ 391.67 Farm vehicle drivers of articulated commercial motor vehicles.

The following rules in this part do not apply to a farm vehicle driver (as defined in § 390.5 of this subchapter) who is 18 years of age or older and who drives an articulated commercial motor vehicle:

(a) Section 391.11(b)(1), (b)(6) and (b)(8) (relating to general qualifications of drivers);

(b) Subpart C (relating to disclosure of, investigation into, and inquiries about the background, character, and driving record of drivers);

(c) Subpart D (relating to road tests); and

(d) Subpart F (relating to maintenance of files and records).

[63 FR 33278, June 18, 1998]

§ 391.68 Private motor carrier of passengers (nonbusiness).

The following rules in this part do not apply to a private motor carrier of passengers (nonbusiness) and its drivers:

(a) Section 391.11(b)(1), (b)(6) and (b)(8) (relating to general qualifications of drivers);

(b) Subpart C (relating to disclosure of, investigation into, and inquiries about the background, character, and driving record of, drivers);

(c) So much of §§ 391.41 and 391.45 as require a driver to be medically examined and to have a medical examiner's certificate on his/her person; and

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(d) Subpart F (relating to maintenance of files and records).

[63 FR 33278, June 18, 1998]

§ 391.69 Private motor carrier of passengers (business).

The provisions of § 391.21 (relating to applications for employment), § 391.23 (relating to investigations and inquiries), and § 391.31 (relating to road tests) do not apply to a driver who was a single-employer driver (as defined in § 390.5 of this subchapter) of a private motor carrier of passengers (business) as of July 1, 1994, so long as the driver continues to be a single-employer driver of that motor carrier.

[63 FR 33278, June 18, 1998]

§ 391.71 [Reserved]

PART 392—DRIVING OF COMMERCIAL MOTOR VEHICLES

Subpart A—General

Sec.

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- 392.71 Radar detectors; use and/or possession.

AUTHORITY: 49 U.S.C. 13902, 31136, 31502; and 49 CFR 1.73.

SOURCE: 33 FR 19732, Dec. 25, 1968, unless otherwise noted.

EDITORIAL NOTE: Nomenclature changes to part 392 appear at 66 FR 49874, Oct. 1, 2001.

Subpart A—General

§ 392.1 Scope of the rules in this part.

Every motor carrier, its officers, agents, representatives, and employees responsible for the management, maintenance, operation, or driving of commercial motor vehicles, or the hiring, supervising, training, assigning, or dispatching of drivers, shall be instructed in and comply with the rules in this part.

[53 FR 18057, May 19, 1988, as amended at 60 FR 38746, July 28, 1995]

§ 392.2 Applicable operating rules.

Every commercial motor vehicle must be operated in accordance with the laws, ordinances, and regulations of the jurisdiction in which it is being

operated. However, if a regulation of the Federal Motor Carrier Safety Administration imposes a higher standard of care than that law, ordinance or regulation, the Federal Motor Carrier Safety Administration regulation must be complied with.

[35 FR 7800, May 21, 1970, as amended at 60 FR 38746, July 28, 1995]

§ 392.3 Ill or fatigued operator.

No driver shall operate a commercial motor vehicle, and a motor carrier shall not require or permit a driver to operate a commercial motor vehicle, while the driver's ability or alertness is so impaired, or so likely to become impaired, through fatigue, illness, or any other cause, as to make it unsafe for him/her to begin or continue to operate the commercial motor vehicle. However, in a case of grave emergency where the hazard to occupants of the commercial motor vehicle or other users of the highway would be increased by compliance with this section, the driver may continue to operate the commercial motor vehicle to the nearest place at which that hazard is removed.

[35 FR 7800, May 21, 1970, as amended at 60 FR 38746, July 28, 1995]

§ 392.4 Drugs and other substances.

(a) No driver shall be on duty and possess, be under the influence of, or use, any of the following drugs or other substances:

- (1) Any 21 CFR 1308.11 *Schedule I* substance;
- (2) An amphetamine or any formulation thereof (including, but not limited, to "pep pills," and "bennies");
- (3) A narcotic drug or any derivative thereof; or
- (4) Any other substance, to a degree which renders the driver incapable of safely operating a motor vehicle.

(b) No motor carrier shall require or permit a driver to violate paragraph (a) of this section.

(c) Paragraphs (a) (2), (3), and (4) do not apply to the possession or use of a substance administered to a driver by or under the instructions of a licensed medical practitioner, as defined in § 382.107 of this subchapter, who has advised the driver that the substance will

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not affect the driver's ability to safely operate a motor vehicle.

(d) As used in this section, "possession" does not include possession of a substance which is manifested and transported as part of a shipment.

[61 FR 9567, Mar. 8, 1996, as amended at 62 FR 37153, July 11, 1997]

§ 392.5 Alcohol prohibition.

(a) No driver shall—

(1) Use alcohol, as defined in § 382.107 of this subchapter, or be under the influence of alcohol, within 4 hours before going on duty or operating, or having physical control of, a commercial motor vehicle; or

(2) Use alcohol, be under the influence of alcohol, or have any measured alcohol concentration or detected presence of alcohol, while on duty, or operating, or in physical control of a commercial motor vehicle; or

(3) Be on duty or operate a commercial motor vehicle while the driver possesses wine of not less than one-half of one per centum of alcohol by volume, beer as defined in 26 U.S.C. 5052(a), of the Internal Revenue Code of 1954, and distilled spirits as defined in section 5002(a)(8), of such Code. However, this does not apply to possession of wine, beer, or distilled spirits which are:

(i) Manifested and transported as part of a shipment; or

(ii) Possessed or used by bus passengers.

(b) No motor carrier shall require or permit a driver to—

(1) Violate any provision of paragraph (a) of this section; or

(2) Be on duty or operate a commercial motor vehicle if, by the driver's general appearance or conduct or by other substantiating evidence, the driver appears to have used alcohol within the preceding four hours.

(c) Any driver who is found to be in violation of the provisions of paragraph (a) or (b) of this section shall be placed out-of-service immediately for a period of 24 hours.

(1) The 24-hour out-of-service period will commence upon issuance of an out-of-service order.

(2) No driver shall violate the terms of an out-of-service order issued under this section.

(d) Any driver who is issued an out-of-service order under this section shall:

(1) Report such issuance to his/her employer within 24 hours; and

(2) Report such issuance to a State official, designated by the State which issued his/her driver's license, within 30 days unless the driver chooses to request a review of the order. In this case, the driver shall report the order to the State official within 30 days of an affirmation of the order by either the Division Administrator or State Director for the geographical area or the Administrator.

(e) Any driver who is subject to an out-of-service order under this section may petition for review of that order by submitting a petition for review in writing within 10 days of the issuance of the order to the Division Administrator or State Director for the geographical area in which the order was issued. The Division Administrator or State Director may affirm or reverse the order. Any driver adversely affected by such order of the Regional Director of Motor Carriers may petition the Administrator for review in accordance with 49 CFR 386.13.

(49 U.S.C. 304, 1655; 49 CFR 1.48(b) and 301.60)

[47 FR 47837, Oct. 28, 1982, as amended at 52 FR 27201, July 20, 1987; 59 FR 7515, Feb. 15, 1994; 61 FR 9567, Mar. 8, 1996]

§ 392.6 Schedules to conform with speed limits.

No motor carrier shall schedule a run nor permit nor require the operation of any commercial motor vehicle between points in such period of time as would necessitate the commercial motor vehicle being operated at speeds greater than those prescribed by the jurisdictions in or through which the commercial motor vehicle is being operated.

[33 FR 19732, Dec. 25, 1968, as amended at 60 FR 38746, July 28, 1995]

§ 392.7 Equipment, inspection and use.

No commercial motor vehicle shall be driven unless the driver is satisfied that the following parts and accessories are in good working order, nor shall any driver fail to use or make use of such parts and accessories when and as needed:

- Service brakes, including trailer brake connections.
- Parking (hand) brake.
- Steering mechanism.
- Lighting devices and reflectors.
- Tires.
- Horn.
- Windshield wiper or wipers.
- Rear-vision mirror or mirrors.
- Coupling devices.

[33 FR 19732, Dec. 25, 1968, as amended at 60 FR 38746, July 28, 1995]

§ 392.8 Emergency equipment, inspection and use.

No commercial motor vehicle shall be driven unless the driver thereof is satisfied that the emergency equipment required by § 393.95 of this subchapter is in place and ready for use; nor shall any driver fail to use or make use of such equipment when and as needed.

[49 FR 38290, Sept. 28, 1984, as amended at 60 FR 38746, July 28, 1995]

§ 392.9 Inspection of cargo, cargo securement devices and systems.

(a) *General.* A driver may not operate a commercial motor vehicle and a motor carrier may not require or permit a driver to operate a commercial motor vehicle unless—

(1) The commercial motor vehicle's cargo is properly distributed and adequately secured as specified in §§ 393.100 through 393.142 of this subchapter.

(2) The commercial motor vehicle's tailgate, tailboard, doors, tarpaulins, spare tire and other equipment used in its operation, and the means of fastening the commercial motor vehicle's cargo, are secured; and

(3) The commercial motor vehicle's cargo or any other object does not obscure the driver's view ahead or to the right or left sides (except for drivers of self-steer dollies), interfere with the free movement of his/her arms or legs, prevent his/her free and ready access to accessories required for emergencies, or prevent the free and ready exit of any person from the commercial motor vehicle's cab or driver's compartment.

(b) *Drivers of trucks and truck tractors.* Except as provided in paragraph (b)(4) of this section, the driver of a truck or truck tractor must—

(1) Assure himself/herself that the provisions of paragraph (a) of this sec-

tion have been complied with before he/she drives that commercial motor vehicle;

(2) Inspect the cargo and the devices used to secure the cargo within the first 50 miles after beginning a trip and cause any adjustments to be made to the cargo or load securement devices as necessary, including adding more securement devices, to ensure that cargo cannot shift on or within, or fall from the commercial motor vehicle; and

(3) Reexamine the commercial motor vehicle's cargo and its load securement devices during the course of transportation and make any necessary adjustment to the cargo or load securement devices, including adding more securement devices, to ensure that cargo cannot shift on or within, or fall from, the commercial motor vehicle. Reexamination and any necessary adjustments must be made whenever—

(i) The driver makes a change of his/her duty status; or

(ii) The commercial motor vehicle has been driven for 3 hours; or

(iii) The commercial motor vehicle has been driven for 150 miles, whichever occurs first.

(4) The rules in this paragraph (b) do not apply to the driver of a sealed commercial motor vehicle who has been ordered not to open it to inspect its cargo or to the driver of a commercial motor vehicle that has been loaded in a manner that makes inspection of its cargo impracticable.

[67 FR 61224, Sept. 27, 2002]

§ 392.9a Operating authority.

(a) *Registration required.* A motor vehicle providing transportation requiring registration under 49 U.S.C. 13902 may not be operated without the required registration or operated beyond the scope of its registration.

(b) *Penalties.* Every motor vehicle providing transportation requiring registration under 49 U.S.C. 13902 shall be ordered out-of-service if determined to be operating without registration or beyond the scope of its registration. In addition, the motor carrier may be subject to penalties in accordance with 49 U.S.C. 14901.

(c) *Administrative Review.* Upon the issuance of the out-of-service order under paragraph (b) of this section, the

driver shall comply immediately with such order. Opportunity for review shall be provided in accordance with section 554 of title 5, United States Code not later than 10 days after issuance of such order.

[67 FR 55165, Aug. 28, 2002]

Subpart B—Driving of Commercial Motor Vehicles

§ 392.10 Railroad grade crossings; stopping required.

(a) Except as provided in paragraph (b) of this section, the driver of a commercial motor vehicle specified in paragraphs (a) (1) through (6) of this section shall not cross a railroad track or tracks at grade unless he/she first: Stops the commercial motor vehicle within 50 feet of, and not closer than 15 feet to, the tracks; thereafter listens and looks in each direction along the tracks for an approaching train; and ascertains that no train is approaching. When it is safe to do so, the driver may drive the commercial motor vehicle across the tracks in a gear that permits the commercial motor vehicle to complete the crossing without a change of gears. The driver must not shift gears while crossing the tracks.

- (1) Every bus transporting passengers,
- (2) Every commercial motor vehicle transporting any quantity of a Division 2.3 chlorine.
- (3) Every commercial motor vehicle which, in accordance with the regulations of the Department of Transportation, is required to be marked or placarded with one of the following classifications:
 - (i) Division 1.1
 - (ii) Division 1.2, or Division 1.3
 - (iii) Division 2.3 Poison gas
 - (iv) Division 4.3
 - (v) Class 7
 - (vi) Class 3 Flammable
 - (vii) Division 5.1
 - (viii) Division 2.2
 - (ix) Division 2.3 Chlorine
 - (x) Division 6.1 Poison
 - (xi) Division 2.2 Oxygen
 - (xii) Division 2.1
 - (xiii) Class 3 Combustible liquid
 - (xiv) Division 4.1
 - (xv) Division 5.1
 - (xvi) Division 5.2

- (xvii) Class 8
- (xviii) Division 1.4

(4) Every cargo tank motor vehicle, whether loaded or empty, used for the transportation of any hazardous material as defined in the Hazardous Materials Regulations of the Department of Transportation, Parts 107 through 180 of this title.

(5) Every cargo tank motor vehicle transporting a commodity which at the time of loading has a temperature above its flashpoint as determined by § 173.120 of this title.

(6) Every cargo tank motor vehicle, whether loaded or empty, transporting any commodity under exemption in accordance with the provisions of subpart B of part 107 of this title.

(b) A stop need not be made at:

(1) A streetcar crossing, or railroad tracks used exclusively for industrial switching purposes, within a business district, as defined in § 390.5 of this chapter.

(2) A railroad grade crossing when a police officer or crossing flagman directs traffic to proceed,

(3) A railroad grade crossing controlled by a functioning highway traffic signal transmitting a green indication which, under local law, permits the commercial motor vehicle to proceed across the railroad tracks without slowing or stopping.

(4) An abandoned railroad grade crossing which is marked with a sign indicating that the rail line is abandoned,

(5) An industrial or spur line railroad grade crossing marked with a sign reading “Exempt.” Such “Exempt” signs shall be erected only by or with the consent of the appropriate State or local authority.

(Sec. 12, 80 Stat. 931; 49 U.S.C. 1651 note; 49 U.S.C. 304, 1655; 49 CFR 1.48(b) and 301.60)

[33 FR 19732, Dec. 25, 1968, as amended at 35 FR 7801, May 21, 1970; 38 FR 1589, Jan. 16, 1973; 40 FR 44555, Sept. 29, 1975; 45 FR 46424, July 10, 1980; 47 FR 47837, Oct. 28, 1982; 59 FR 63924, Dec. 12, 1994; 60 FR 38746, 38747, July 28, 1995]

§ 392.11 Railroad grade crossings; slowing down required.

Every commercial motor vehicle other than those listed in § 392.10 shall, upon approaching a railroad grade

crossing, be driven at a rate of speed which will permit said commercial motor vehicle to be stopped before reaching the nearest rail of such crossing and shall not be driven upon or over such crossing until due caution has been taken to ascertain that the course is clear.

[33 FR 19732, Dec. 25, 1968, as amended at 60 FR 38747, July 28, 1995]

§§ 392.12–392.13 [Reserved]

§ 392.14 Hazardous conditions; extreme caution.

Extreme caution in the operation of a commercial motor vehicle shall be exercised when hazardous conditions, such as those caused by snow, ice, sleet, fog, mist, rain, dust, or smoke, adversely affect visibility or traction. Speed shall be reduced when such conditions exist. If conditions become sufficiently dangerous, the operation of the commercial motor vehicle shall be discontinued and shall not be resumed until the commercial motor vehicle can be safely operated. Whenever compliance with the foregoing provisions of this rule increases hazard to passengers, the commercial motor vehicle may be operated to the nearest point at which the safety of passengers is assured.

[33 FR 19732, Dec. 25, 1968, as amended at 60 FR 38747, July 28, 1995]

§ 392.15 [Reserved]

§ 392.16 Use of seat belts.

A commercial motor vehicle which has a seat belt assembly installed at the driver's seat shall not be driven unless the driver has properly restrained himself/herself with the seat belt assembly.

[35 FR 10860, July 3, 1970, as amended at 60 FR 38747, July 28, 1995]

§ 392.18 [Reserved]

Subpart C—Stopped Commercial Motor Vehicles

§§ 392.20–392.21 [Reserved]

§ 392.22 Emergency signals; stopped commercial motor vehicles.

(a) *Hazard warning signal flashers.* Whenever a commercial motor vehicle is stopped upon the traveled portion of a highway or the shoulder of a highway for any cause other than necessary traffic stops, the driver of the stopped commercial motor vehicle shall immediately activate the vehicular hazard warning signal flashers and continue the flashing until the driver places the warning devices required by paragraph (b) of this section. The flashing signals shall be used during the time the warning devices are picked up for storage before movement of the commercial motor vehicle. The flashing lights may be used at other times while a commercial motor vehicle is stopped in addition to, but not in lieu of, the warning devices required by paragraph (b) of this section.

(b) *Placement of warning devices*—(1) *General rule.* Except as provided in paragraph (b)(2) of this section, whenever a commercial motor vehicle is stopped upon the traveled portion or the shoulder of a highway for any cause other than necessary traffic stops, the driver shall, as soon as possible, but in any event within 10 minutes, place the warning devices required by §393.95 of this subchapter, in the following manner:

(i) One on the traffic side of and 4 paces (approximately 3 meters or 10 feet) from the stopped commercial motor vehicle in the direction of approaching traffic;

(ii) One at 40 paces (approximately 30 meters or 100 feet) from the stopped commercial motor vehicle in the center of the traffic lane or shoulder occupied by the commercial motor vehicle and in the direction of approaching traffic; and

(iii) One at 40 paces (approximately 30 meters or 100 feet) from the stopped commercial motor vehicle in the center of the traffic lane or shoulder occupied by the commercial motor vehicle

and in the direction away from approaching traffic.

(2) *Special rules*—(i) *Fusees and liquid-burning flares.* The driver of a commercial motor vehicle equipped with only fusees or liquid-burning flares shall place a lighted fusee or liquid-burning flare at each of the locations specified in paragraph (b)(1) of this section. There shall be at least one lighted fusee or liquid-burning flare at each of the prescribed locations, as long as the commercial motor vehicle is stopped. Before the stopped commercial motor vehicle is moved, the driver shall extinguish and remove each fusee or liquid-burning flare.

(ii) *Daylight hours.* Except as provided in paragraph (b)(2)(iii) of this section, during the period lighted lamps are not required, three bidirectional reflective triangles, or three lighted fusees or liquid-burning flares shall be placed as specified in paragraph (b)(1) of this section within a time of 10 minutes. In the event the driver elects to use only fusees or liquid-burning flares in lieu of bidirectional reflective triangles or red flags, the driver must ensure that at least one fusee or liquid-burning flare remains lighted at each of the prescribed locations as long as the commercial motor vehicle is stopped or parked.

(iii) *Business or residential districts.* The placement of warning devices is not required within the business or residential district of a municipality, except during the time lighted lamps are required and when street or highway lighting is insufficient to make a commercial motor vehicle clearly discernable at a distance of 500 feet to persons on the highway.

(iv) *Hills, curves, and obstructions.* If a commercial motor vehicle is stopped within 500 feet of a curve, crest of a hill, or other obstruction to view, the driver shall place the warning signal required by paragraph (b)(1) of this section in the direction of the obstruction to view a distance of 100 feet to 500 feet from the stopped commercial motor vehicle so as to afford ample warning to other users of the highway.

(v) *Divided or one-way roads.* If a commercial motor vehicle is stopped upon the traveled portion or the shoulder of a divided or one-way highway, the driv-

er shall place the warning devices required by paragraph (b)(1) of this section, one warning device at a distance of 200 feet and one warning device at a distance of 100 feet in a direction toward approaching traffic in the center of the lane or shoulder occupied by the commercial motor vehicle. He/she shall place one warning device at the traffic side of the commercial motor vehicle within 10 feet of the rear of the commercial motor vehicle.

(vi) *Leaking, flammable material.* If gasoline or any other flammable liquid, or combustible liquid or gas seeps or leaks from a fuel container or a commercial motor vehicle stopped upon a highway, no emergency warning signal producing a flame shall be lighted or placed except at such a distance from any such liquid or gas as will assure the prevention of a fire or explosion.

[37 FR 17175, Aug. 25, 1972, as amended at 40 FR 10685, Mar. 7, 1975; 47 FR 47837, Oct. 28, 1982; 48 FR 57139, Dec. 23, 1983; 59 FR 34711, July 6, 1994; 60 FR 38747, July 28, 1995; 63 FR 33279, June 18, 1998]

§ 392.24 Emergency signals; flame-producing.

No driver shall attach or permit any person to attach a lighted fusee or other flame-producing emergency signal to any part of a commercial motor vehicle.

[33 FR 19732, Dec. 25, 1968, as amended at 60 FR 38747, July 28, 1995]

§ 392.25 Flame producing devices.

No driver shall use or permit the use of any flame-producing emergency signal for protecting any commercial motor vehicle transporting Division 1.1, Division 1.2, or Division 1.3 explosives; any cargo tank motor vehicle used for the transportation of any Class 3 or Division 2.1, whether loaded or empty; or any commercial motor vehicle using compressed gas as a motor fuel. In lieu thereof, emergency reflective triangles, red electric lanterns, or red emergency reflectors shall be used, the placement of which shall be in the same manner as prescribed in § 392.22(b).

[59 FR 63925, Dec. 12, 1994, as amended at 60 FR 38747, July 28, 1995]

Subpart D—Use of Lighted Lamps and Reflectors

§§ 392.30–392.32 [Reserved]

§ 392.33 Obscured lamps or reflective devices/material.

(a) No commercial motor vehicle shall be driven when any of the lamps or reflective devices/material required by subpart B of part 393 of this title are obscured by the tailboard, or by any part of the load or its covering, by dirt, or other added vehicle or work equipment or otherwise.

(b) *Exception.* The conspicuity treatments on the front end protection devices of the trailer may be obscured by part of the load being transported.

[70 FR 48025, Aug. 15, 2005]

Subpart E—License Revocation; Duties of Driver

§§ 392.40–392.41 [Reserved]

Subpart F—Fueling Precautions

§ 392.50 Ignition of fuel; prevention.

No driver or any employee of a motor carrier shall:

(a) Fuel a commercial motor vehicle with the engine running, except when it is necessary to run the engine to fuel the commercial motor vehicle;

(b) Smoke or expose any open flame in the vicinity of a commercial motor vehicle being fueled;

(c) Fuel a commercial motor vehicle unless the nozzle of the fuel hose is continuously in contact with the intake pipe of the fuel tank;

(d) Permit, insofar as practicable, any other person to engage in such activities as would be likely to result in fire or explosion.

[33 FR 19732, Dec. 25, 1968, as amended at 60 FR 38747, July 28, 1995]

§ 392.51 Reserve fuel; materials of trade.

Small amounts of fuel for the operation or maintenance of a commercial motor vehicle (including its auxiliary equipment) may be designated as materials of trade (see 49 CFR 171.8).

(a) The aggregate gross weight of all materials of trade on a motor vehicle may not exceed 200 kg (440 pounds).

(b) Packaging for gasoline must be made of metal or plastic and conform to requirements of 49 CFR Parts 171, 172, 173, and 178 or requirements of the Occupational Safety and Health Administration contained in 29 CFR 1910.106.

(c) For Packing Group II (including gasoline), Packing Group III (including aviation fuel and fuel oil), or ORM-D, the material is limited to 30 kg (66 pounds) or 30 L (8 gallons).

(d) For diesel fuel, the capacity of the package is limited to 450 L (119 gallons).

(e) A Division 2.1 material in a cylinder is limited to a gross weight of 100 kg (220 pounds). (A Division 2.1 material is a flammable gas, including liquefied petroleum gas, butane, propane, liquefied natural gas, and methane).

[63 FR 33279, June 18, 1998]

§ 392.52 [Reserved]

Subpart G—Prohibited Practices

§ 392.60 Unauthorized persons not to be transported.

(a) Unless specifically authorized in writing to do so by the motor carrier under whose authority the commercial motor vehicle is being operated, no driver shall transport any person or permit any person to be transported on any commercial motor vehicle other than a bus. When such authorization is issued, it shall state the name of the person to be transported, the points where the transportation is to begin and end, and the date upon which such authority expires. No written authorization, however, shall be necessary for the transportation of:

(1) Employees or other persons assigned to a commercial motor vehicle by a motor carrier;

(2) Any person transported when aid is being rendered in case of an accident or other emergency;

(3) An attendant delegated to care for livestock.

(b) This section shall not apply to the operation of commercial motor vehicles controlled and operated by any farmer and used in the transportation

§ 392.61

of agricultural commodities or products thereof from his/her farm or in the transportation of supplies to his/her farm.

[60 FR 38747, July 28, 1995]

§ 392.61 [Reserved]

§ 392.62 Safe operation, buses.

No person shall drive a bus and a motor carrier shall not require or permit a person to drive a bus unless—

(a) All standees on the bus are rearward of the standee line or other means prescribed in § 393.90 of this subchapter;

(b) All aisle seats in the bus conform to the requirements of § 393.91 of this subchapter; and

(c) Baggage or freight on the bus is stowed and secured in a manner which assures—

(1) Unrestricted freedom of movement to the driver and his proper operation of the bus;

(2) Unobstructed access to all exits by any occupant of the bus; and

(3) Protection of occupants of the bus against injury resulting from the falling or displacement of articles transported in the bus.

[63 FR 33278, June 18, 1998]

§ 392.63 Towing or pushing loaded buses.

No disabled bus with passengers aboard shall be towed or pushed; nor shall any person use or permit to be used a bus with passengers aboard for the purpose of towing or pushing any disabled motor vehicle, except in such circumstances where the hazard to passengers would be increased by observance of the foregoing provisions of this section, and then only in traveling to the nearest point where the safety of the passengers is assured.

[33 FR 19732, Dec. 25, 1968, as amended at 60 FR 38747, July 28, 1995]

§ 392.64 Riding within closed commercial motor vehicles without proper exits.

No person shall ride within the closed body of any commercial motor vehicle unless there are means on the inside thereof of obtaining exit. Said means

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shall be in such condition as to permit ready operation by the occupant.

[33 FR 19732, Dec. 25, 1968, as amended at 60 FR 38747, July 28, 1995]

§ 392.65 [Reserved]

§ 392.66 Carbon monoxide; use of commercial motor vehicle when detected.

(a) No person shall dispatch or drive any commercial motor vehicle or permit any passengers thereon, when the following conditions are known to exist, until such conditions have been remedied or repaired:

(1) Where an occupant has been affected by carbon monoxide;

(2) Where carbon monoxide has been detected in the interior of the commercial motor vehicle;

(3) When a mechanical condition of the commercial motor vehicle is discovered which would be likely to produce a hazard to the occupants by reason of carbon monoxide.

(b) [Reserved]

[60 FR 38747, July 28, 1995]

§ 392.67 Heater, flame-producing; on commercial motor vehicle in motion.

No open flame heater used in the loading or unloading of the commodity transported shall be in operation while the commercial motor vehicle is in motion.

[33 FR 19732, Dec. 25, 1968, as amended at 60 FR 38747, July 28, 1995]

§§ 392.68–392.69 [Reserved]

§ 392.71 Radar detectors; use and/or possession.

(a) No driver shall use a radar detector in a commercial motor vehicle, or operate a commercial motor vehicle that is equipped with or contains any radar detector.

(b) No motor carrier shall require or permit a driver to violate paragraph (a) of this section.

[58 FR 67375, Dec. 21, 1993]

PART 393—PARTS AND ACCESSORIES NECESSARY FOR SAFE OPERATION

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AUTHORITY: 49 U.S.C. 322, 31136, and 31502; Section 1041(b) of Pub. L. 102-240, 105 Stat. 1914, 1993 (1991); and 49 CFR 1.73.

SOURCE: 33 FR 19735, Dec. 25, 1968, unless otherwise noted.

EDITORIAL NOTE: Nomenclature changes to part 393 appear at 66 FR 49874, Oct. 1, 2001.

Subpart A—General

SOURCE: 53 FR 49384, Dec. 7, 1988, unless otherwise noted.

§ 393.1 Scope of the rules in this part.

(a) The rules in this part establish minimum standards for commercial

motor vehicles as defined in § 390.5 of this title. Only motor vehicles (as defined in § 390.5) and combinations of motor vehicles which meet the definition of a commercial motor vehicle are subject to the requirements of this part. All requirements that refer to motor vehicles with a GVWR below 4,536 kg (10,001 pounds) are applicable only when the motor vehicle or combination of motor vehicles meets the definition of a commercial motor vehicle.

(b) Every employer and employee shall comply and be conversant with the requirements and specifications of this part. No employer shall operate a commercial motor vehicle, or cause or permit it to be operated, unless it is equipped in accordance with the requirements and specifications of this part.

[70 FR 48025, Aug. 15, 2005]

§ 393.3 Additional equipment and accessories.

Nothing contained in this subchapter shall be construed to prohibit the use of additional equipment and accessories, not inconsistent with or prohibited by this subchapter, provided such equipment and accessories do not decrease the safety of operation of the motor vehicles on which they are used.

§ 393.5 Definitions.

As used in this part, the following words and terms are construed to mean:

Aggregate working load limit. The summation of the working load limits or restraining capacity of all devices used to secure an article of cargo on a vehicle.

Agricultural commodity trailer. A trailer that is designed to transport bulk agricultural commodities in off-road harvesting sites and to a processing plant or storage location, as evidenced by skeletal construction that accommodates harvest containers, a maximum length of 28 feet, and an arrangement of air control lines and reservoirs that minimizes damage in field operations.

Air brake system. A system, including an air-over-hydraulic brake subsystem, that uses air as a medium for transmitting pressure or force from the driver

control to the service brake, but does not include a system that uses compressed air or vacuum only to assist the driver in applying muscular force to hydraulic or mechanical components.

Air-over-hydraulic brake subsystem. A subsystem of the air brake system that uses compressed air to transmit a force from the driver control to a hydraulic brake system to actuate the service brakes.

Anchor point. Part of the structure, fitting or attachment on a vehicle or article of cargo to which a tiedown is attached.

Antilock Brake System or ABS means a portion of a service brake system that automatically controls the degree of rotational wheel slip during braking by:

(1) Sensing the rate of angular rotation of the wheels;

(2) Transmitting signals regarding the rate of wheel angular rotation to one or more controlling devices which interpret those signals and generate responsive controlling output signals; and

(3) Transmitting those controlling signals to one or more modulators which adjust brake actuating forces in response to those signals.

Article of cargo. A unit of cargo, other than a liquid, gas, or aggregate that lacks physical structure (e.g., grain, gravel, etc.) including articles grouped together so that they can be handled as a single unit or unitized by wrapping, strapping, banding or edge protection device(s).

Auxiliary driving lamp. A lighting device mounted to provide illumination forward of the vehicle which supplements the upper beam of a standard headlighting system. It is not intended for use alone or with the lower beam of a standard headlamp system.

Bell pipe concrete. Pipe whose flanged end is of larger diameter than its barrel.

Blocking. A structure, device or another substantial article placed against or around an article of cargo to prevent horizontal movement of the article of cargo.

Boat trailer. A trailer designed with cradle-type mountings to transport a boat and configured to permit launch-

ing of the boat from the rear of the trailer.

Bracing. A structure, device, or another substantial article placed against an article of cargo to prevent it from tipping, that may also prevent it from shifting.

Brake. An energy conversion mechanism used to stop, or hold a vehicle stationary.

Brake power assist unit. A device installed in a hydraulic brake system that reduces the operator effort required to actuate the system, but which if inoperative does not prevent the operator from braking the vehicle by a continued application of muscular force on the service brake control.

Brake power unit. A device installed in a brake system that provides the energy required to actuate the brakes, either directly or indirectly through an auxiliary device, with the operator action consisting only of modulating the energy application level.

Brake tubing/hose. Metallic brake tubing, nonmetallic brake tubing and brake hose are conduits or lines used in a brake system to transmit or contain the medium (fluid or vacuum) used to apply the motor vehicle's brakes.

Chassis. The load-supporting frame of a commercial motor vehicle, exclusive of any appurtenances which might be added to accommodate cargo.

Clearance Lamps. Lamps that provide light to the front or rear, mounted on the permanent structure of the vehicle, such that they indicate the overall width of the vehicle.

Container chassis trailer. A semitrailer of skeleton construction limited to a bottom frame, one or more axles, specially built and fitted with locking devices for the transport of intermodal cargo containers, so that when the chassis and container are assembled, the units serve the same function as an over the road trailer.

Converter dolly. A motor vehicle consisting of a chassis equipped with one or more axles, a fifth wheel and/or equivalent mechanism, and drawbar, the attachment of which converts a semitrailer to a full trailer.

Curb weight. The weight of a motor vehicle with standard equipment, maximum capacity of fuel, oil, and coolant; and, if so equipped, air conditioning

and additional weight of optional engine. Curb weight does not include the driver.

Dunnage. All loose materials used to support and protect cargo.

Dunnage bag. An inflatable bag intended to fill otherwise empty space between articles of cargo, or between articles of cargo and the wall of the vehicle.

Edge protector. A device placed on the exposed edge of an article to distribute tiedown forces over a larger area of cargo than the tiedown itself, to protect the tie-down and/or cargo from damage, and to allow the tiedown to slide freely when being tensioned.

Electric brake system. A system that uses electric current to actuate the service brake.

Emergency brake. A mechanism designed to stop a motor vehicle after a failure of the service brake system.

Emergency brake system. A mechanism designed to stop a vehicle after a single failure occurs in the service brake system of a part designed to contain compressed air or brake fluid or vacuum (except failure of a common valve, manifold brake fluid housing or brake chamber housing).

Fifth wheel. A device mounted on a truck tractor or similar towing vehicle (e.g., converter dolly) which interfaces with and couples to the upper coupler assembly of a semitrailer.

Frame vehicle. A vehicle with skeletal structure fitted with one or more bunk units for transporting logs. A bunk unit consists of U-shaped front and rear bunks that together cradle logs. The bunks are welded, gusseted or otherwise firmly fastened to the vehicle's main beams, and are an integral part of the vehicle.

Friction mat. A device placed between the deck of a vehicle and article of cargo, or between articles of cargo, intended to provide greater friction than exists naturally between these surfaces.

Front fog lamp. A lighting device whose beam provides downward illumination forward of the vehicle and close to the ground, and is to be used only under conditions of rain, snow, dust, smoke or fog. A pair of fog lamps may be used alone, with parking, tail, side, marker, clearance and identifica-

tion lamps, or with a lower beam headlamp at the driver's discretion in accordance with state and local use law.

Fuel tank fitting. Any removable device affixed to an opening in the fuel tank with the exception of the filler cap.

g. The acceleration due to gravity, 32.2 ft/sec² (9.81 m/sec²).

Grommet. A device that serves as a support and protection to that which passes through it.

Hazard warning signal. Lamps that flash simultaneously to the front and rear, on both the right and left sides of a commercial motor vehicle, to indicate to an approaching driver the presence of a vehicular hazard.

Head lamps. Lamps used to provide general illumination ahead of a motor vehicle.

Heater. Any device or assembly of devices or appliances used to heat the interior of any motor vehicle. This includes a catalytic heater which must meet the requirements of §177.834(1)(2) of this title when Class 3 (flammable liquid) or Division 2.1 (flammable gas) is transported.

Heavy hauler trailer. A trailer which has one or more of the following characteristics, but which is not a container chassis trailer:

(1) Its brake lines are designed to adapt to separation or extension of the vehicle frame; or

(2) Its body consists only of a platform whose primary cargo-carrying surface is not more than 1,016 mm (40 inches) above the ground in an unloaded condition, except that it may include sides that are designed to be easily removable and a permanent "front-end structure" as that term is used in §393.106 of this title.

Hook-lift container. A specialized container, primarily used to contain and transport materials in the waste, recycling, construction/demolition and scrap industries, which is used in conjunction with specialized vehicles, in which the container is loaded and unloaded onto a tilt frame body by an articulating hook-arm.

Hydraulic brake system. A system that uses hydraulic fluid as a medium for transmitting force from a service brake control to the service brake, and

that may incorporate a brake power assist unit, or a brake power unit.

Identification lamps. Lamps used to identify certain types of commercial motor vehicles.

Integral securement system. A system on certain roll-on/roll-off containers and hook-lift containers and their related transport vehicles in which compatible front and rear hold down devices are mated to provide securement of the complete vehicle and its articles of cargo.

Lamp. A device used to produce artificial light.

Length of a manufactured home. The largest exterior length in the traveling mode, including any projections which contain interior space. Length does not include bay windows, roof projections, overhangs, or eaves under which there is no interior space, nor does it include drawbars, couplings or hitches.

License plate lamp. A lamp used to illuminate the license plate on the rear of a motor vehicle.

Longwood. All logs that are not shortwood, i.e., are over 4.9 m (16 feet) long. Such logs are usually described as long logs or treelength.

Low chassis vehicle. (1) A trailer or semitrailer manufactured on or after January 26, 1998, having a chassis which extends behind the rearmost point of the rearmost tires and which has a lower rear surface that meets the guard width, height, and rear surface requirements of §571.224 in effect on the date of manufacture, or a subsequent edition.

(2) A motor vehicle, not described by paragraph (1) of this definition, having a chassis which extends behind the rearmost point of the rearmost tires and which has a lower rear surface that meets the guard configuration requirements of §393.86(b)(1).

Manufactured home means a structure, transportable in one or more sections, which in the traveling mode, is eight body feet or more in width or forty body feet or more in length, or, when erected on site, is three hundred twenty or more square feet, and which is built on a permanent chassis and designed to be used as a dwelling with or without a permanent foundation when connected to the required utilities, and includes the plumbing, heating, air-

conditioning, and electrical systems contained therein. Calculations used to determine the number of square feet in a structure will be based on the structure's exterior dimensions measured at the largest horizontal projections when erected on site. These dimensions will include all expandable rooms, cabinets, and other projections containing interior space, but do not include bay windows. This term includes all structures which meet the *above* requirements except the size requirements and with respect to which the manufacturer voluntarily files a certification pursuant to 24 CFR 3282.13 and complies with the standards set forth in 24 CFR part 3280.

Multi-piece windshield. A windshield consisting of two or more windshield glazing surface areas.

Parking brake system. A mechanism designed to prevent the movement of a stationary motor vehicle.

Play. Any free movement of components.

Pulpwood trailer. A trailer or semitrailer that is designed exclusively for harvesting logs or pulpwood and constructed with a skeletal frame with no means for attachment of a solid bed, body, or container.

Rail vehicle. A vehicle whose skeletal structure is fitted with stakes at the front and rear to contain logs loaded crosswise.

Rear extremity. The rearmost point on a motor vehicle that falls above a horizontal plane located 560 mm (22 inches) above the ground and below a horizontal plane located 1,900 mm (75 inches) above the ground when the motor vehicle is stopped on level ground; unloaded; its fuel tanks are full; the tires (and air suspension, if so equipped) are inflated in accordance with the manufacturer's recommendations; and the motor vehicle's cargo doors, tailgate, or other permanent structures are positioned as they normally are when the vehicle is in motion. Nonstructural protrusions such as taillamps, rubber bumpers, hinges and latches are excluded from the determination of the rearmost point.

Reflective material. A material conforming to Federal Specification L-S-300, "Sheeting and Tape, Reflective; Non-exposed Lens, Adhesive Backing,"

(September 7, 1965) meeting the performance standard in either Table 1 or Table 1A of SAE Standard J594f, "Reflex Reflectors" (January, 1977).

Reflex reflector. A device which is used on a vehicle to give an indication to an approaching driver by reflected lighted from the lamps on the approaching vehicle.

Saddle-mount. A device, designed and constructed as to be readily demountable, used in driveway-towaway operations to perform the functions of a conventional fifth wheel:

(1) Upper-half. *Upper-half* of a "saddle-mount" means that part of the device which is securely attached to the towed vehicle and maintains a fixed position relative thereto, but does not include the "king-pin;"

(2) Lower-half. *Lower-half* of a "saddle-mount" means that part of the device which is securely attached to the towing vehicle and maintains a fixed position relative thereto but does not include the "king-pin;" and

(3) King-pin. *King-pin* means that device which is used to connect the "upper-half" to the "lower-half" in such manner as to permit relative movement in a horizontal plane between the towed and towing vehicles.

Service brake system. A primary brake system used for slowing and stopping a vehicle.

Shoring bar. A device placed transversely between the walls of a vehicle and cargo to prevent cargo from tipping or shifting.

Shortwood. All logs typically up to 4.9 m (16 feet) long. Such logs are often described as cut-up logs, cut-to-length logs, bolts or pulpwood. Shortwood may be loaded lengthwise or crosswise, though that loaded crosswise is usually no more than 2.6 m (102 inches) long.

Sided vehicle. A vehicle whose cargo compartment is enclosed on all four sides by walls of sufficient strength to contain articles of cargo, where the walls may include latched openings for loading and unloading, and includes vans, dump bodies, and a sided intermodal container carried by a vehicle.

Side extremity. The outermost point on a side of the motor vehicle that is above a horizontal plane located 560 mm (22 inches) above the ground, below a horizontal plane located 1,900 mm (75

inches) above the ground, and between a transverse vertical plane tangent to the rear extremity of the vehicle and a transverse vertical plane located 305 mm (12 inches) forward of that plane when the vehicle is unloaded; its fuel tanks are full; and the tires (and air suspension, if so equipped) are inflated in accordance with the manufacturer's recommendations. Non-structural protrusions such as taillights, hinges and latches are excluded from the determination of the outermost point.

Side marker lamp (Intermediate). A lamp mounted on the side, on the permanent structure of the motor vehicle that provides light to the side to indicate the approximate middle of the vehicle, when the motor vehicle is 9.14 meters (30 feet) or more in length.

Side Marker Lamps. Lamps mounted on the side, on the permanent structure of the motor vehicle as near as practicable to the front and rear of the vehicle, that provide light to the side to indicate the overall length of the motor vehicle.

Special purpose vehicle. (1) A trailer or semitrailer manufactured on or after January 26, 1998, having work-performing equipment that, while the motor vehicle is in transit, resides in or moves through the area that could be occupied by the horizontal member of the rear impact guard, as defined by the guard width, height and rear surface requirements of §571.224 (paragraphs S5.1.1 through S5.1.3), in effect on the date of manufacture, or a subsequent edition.

(2) A motor vehicle, not described by paragraph (1) of this definition, having work-performing equipment that, while the motor vehicle is in transit, resides in or moves through the area that could be occupied by the horizontal member of the rear impact guard, as defined by the guard width, height and rear surface requirements of §393.86(b)(1).

Split service brake system. A brake system consisting of two or more subsystems actuated by a single control designed so that a leakage-type failure of a pressure component in a single subsystem (except structural failure of a housing that is common to two or more subsystems) shall not impair the operation of any other subsystem.

Steering wheel lash. The condition in which the steering wheel may be turned through some part of a revolution without associated movement of the front wheels.

Stop lamps. Lamps shown to the rear of a motor vehicle to indicate that the service brake system is engaged.

Tail lamps. Lamps used to designate the rear of a motor vehicle.

Tiedown. A combination of securing devices which forms an assembly that attaches articles of cargo to, or restrains articles of cargo on, a vehicle or trailer, and is attached to anchor point(s).

Tow bar. A strut or column-like device temporarily attached between the rear of a towing vehicle and the front of the vehicle being towed.

Tractor-pole trailer. A combination vehicle that carries logs lengthwise so that they form the body of the vehicle. The logs are supported by a bunk located on the rear of the tractor, and another bunk on the skeletal trailer. The tractor bunk may rotate about a vertical axis, and the trailer may have a fixed, scoping, or cabled reach, or other mechanical freedom, to allow it to turn.

Trailer kingpin. A pin (with a flange on its lower end) which extends vertically from the front of the underside of a semitrailer and which locks into a fifth wheel.

Turn signals. Lamps used to indicate a change in direction by emitting a flashing light on the side of a motor vehicle towards which a turn will be made.

Upper coupler assembly. A structure consisting of an upper coupler plate, king-pin and supporting framework which interfaces with and couples to a fifth wheel.

Upper coupler plate. A plate structure through which the king-pin neck and collar extend. The bottom surface of the plate contacts the fifth wheel when coupled.

Vacuum brake system. A system that uses a vacuum and atmospheric pressure for transmitting a force from the driver control to the service brake, not including a system that uses vacuum only to assist the driver in applying muscular force to hydraulic or mechanical components.

Void filler. Material used to fill a space between articles of cargo and the structure of the vehicle that has sufficient strength to prevent movement of the articles of cargo.

Well. The depression formed between two cylindrical articles of cargo when they are laid with their eyes horizontal and parallel against each other.

Wheels back vehicle. (1) A trailer or semitrailer manufactured on or after January 26, 1998, whose rearmost axle is permanently fixed and is located such that the rearmost surface of the tires (of the size recommended by the vehicle manufacturer for the rear axle) is not more than 305 mm (12 inches) forward of the transverse vertical plane tangent to the rear extremity of the vehicle.

(2) A motor vehicle, not described by paragraph (1) of this definition, whose rearmost axle is permanently fixed and is located such that the rearmost surface of the tires (of the size recommended by the vehicle manufacturer for the rear axle) is not more than 610 mm (24 inches) forward of the transverse vertical plane tangent to the rear extremity of the vehicle.

Width of a manufactured home. The largest exterior width in the traveling mode, including any projections which contain interior space. Width does not include bay windows, roof projections, overhangs, or eaves under which there is no interior space.

Windshield. The principal forward facing glazed surface provided for forward vision in operating a motor vehicle.

Working load limit (WLL). The maximum load that may be applied to a component of a cargo securement system during normal service, usually assigned by the manufacturer of the component.

[53 FR 49384, Dec. 7, 1988, as amended at 63 FR 8339, Feb. 18, 1998; 63 FR 24465, May 4, 1998; 64 FR 47707, Sept. 1, 1999; 67 FR 61224, Sept. 27, 2002; 68 FR 56208, Sept. 30, 2003; 70 FR 48026, Aug. 15, 2005]

§ 393.7 Matter incorporated by reference.

(a) *Incorporation by reference.* Part 393 includes references to certain matter or materials, as listed in paragraph (b) of this section. The text of the materials is not included in the regulations

contained in part 393. The materials are hereby made a part of the regulations in part 393. The Director of the Federal Register has approved the materials incorporated by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. For materials subject to change, only the specific version approved by the Director of the Federal Register and specified in the regulation are incorporated. Material is incorporated as it exists on the date of the approval and a notice of any change in these materials will be published in the FEDERAL REGISTER.

(b) *Matter or materials referenced in part 393.* The matter or materials listed in this paragraph are incorporated by reference in the corresponding sections noted.

(1) Auxiliary Upper Beam Lamps, Society of Automotive Engineers (SAE) J581, July 2004, incorporation by reference approved for §393.24(b).

(2) Front Fog Lamp, SAE J583, August 2004, incorporation by reference approved for §393.24(b).

(3) Stop Lamps for Use on Motor Vehicles Less Than 2032 mm in Overall Width, SAE J586, March 2000, incorporation by reference approved for §393.25(c).

(4) Stop Lamps and Front- and Rear-Turn Signal Lamps for Use on Motor Vehicles 2032 mm or more in Overall Width, SAE J2261, January 2002, incorporated by reference approved for §393.25(c).

(5) Tail Lamps (Rear Position Lamps) for Use on Motor Vehicles Less Than 2032 mm in Overall Width, SAE J585, March 2000, incorporation by reference approved for §393.25(c).

(6) Tail Lamps (Rear Position Lamps) for Use on Vehicles 2032 mm or More in Overall Width, SAE J2040, March 2002, incorporation by reference approved for §393.25(c).

(7) Turn Signal Lamps for Use on Motor Vehicles Less Than 2032 mm in Overall Width, SAE J588, March 2000, incorporation by reference approved for §393.25(c).

(8) Sidemarker Lamps for Use on Road Vehicles Less Than 2032 mm in Overall Width, SAE J592, August 2000, incorporation by reference approved for §393.25(c).

(9) Directional Flashing Optical Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles, SAE J595, January 2005, incorporation by reference approved for §393.25(e).

(10) Optical Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles, SAE J845, May 1997, incorporation by reference approved for §393.25(e).

(11) Gaseous Discharge Warning Lamp for Authorized Emergency, Maintenance, and Service Vehicles, SAE J1318, May 1998, incorporation by reference approved for §393.25(e).

(12) Reflex Reflectors, SAE J594, December 2003, incorporation by reference approved for §393.26(c).

(13) Standard Specification for Retroreflective Sheeting for Traffic Control, American Society of Testing and Materials, ASTM D 4956-04, 2004, incorporation by reference approved for §393.26(c).

(14) Automobile, Truck, Truck-Tractor, Trailer, and Motor Coach Wiring, SAE J1292, October 1981, incorporated by reference approved for §393.28.

(15) Long Stroke Air Brake Actuator Marking, SAE J1817, July 2001, incorporation by reference approved for §393.47(e).

(16) American National Standard for Safety Glazing Materials for Glazing Motor Vehicles and Motor Vehicle Equipment Operating on Land Highways-Safety Standard, SAE Z26.1-1996, August 1997, incorporation by reference approved for §393.62(d).

(17) Specification for Sound Level Meters, American National Standards Institute, S1.4-1983, incorporation by reference approved for §393.94(c).

(18) Standard Specification for Strapping, Flat Steel and Seals, American Society for Testing and Materials (ASTM), D3953-97, February 1998, incorporation by reference approved for §393.104(e).

(19) Welded Steel Chain Specifications, National Association of Chain Manufacturers, November 15, 1999, incorporation by reference approved for §393.104(e).

(20) Recommended Standard Specification for Synthetic Web Tiedowns, Web Sling and Tiedown Association,

WSTDA-T1, 1998, incorporation by reference approved for §393.104(e).

(21) Wire Rope Users Manual, 2nd Edition, Wire Rope Technical Board November 1985, incorporation by reference approved for §393.104(e).

(22) Cordage Institute rope standards approved for incorporation into §393.104(e):

(i) PETRS-2, Polyester Fiber Rope, 3-Strand and 8-Strand Constructions, January 1993;

(ii) PPRS-2, Polypropylene Fiber Rope, 3-Strand and 8-Strand Constructions, August 1992;

(iii) CRS-1, Polyester/Polypropylene Composite Rope Specifications, Three-Strand and Eight-Strand Standard Construction, May 1979;

(iv) NRS-1, Nylon Rope Specifications, Three-Strand and Eight-Strand Standard Construction, May 1979; and

(v) C-1, Double Braided Nylon Rope Specifications DBN, January 1984.

(c) *Availability.* The materials incorporated by reference are available as follows:

(1) Standards of the Underwriters Laboratories, Inc. Information and copies may be obtained by writing to: Underwriters Laboratories, Inc., 333 Pfingsten Road, Northbrook, Illinois 60062.

(2) Specifications of the American Society for Testing and Materials. Information and copies may be obtained by writing to: American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959.

(3) Specifications of the National Association of Chain Manufacturers. Information and copies may be obtained by writing to: National Association of Chain Manufacturers, P.O. Box 22681, Lehigh Valley, Pennsylvania 18002-2681.

(4) Specifications of the Web Sling and Tiedown Association. Information and copies may be obtained by writing to: Web Sling and Tiedown Association, Inc., 5024-R Campbell Boulevard, Baltimore, Maryland 21236-5974.

(5) Manuals of the Wire Rope Technical Board. Information and copies may be obtained by writing to: Wire Rope Technical Committee, P.O. Box 849, Stevensville, Maryland 21666.

(6) Standards of the Cordage Institute. Information and copies may be

obtained by writing to: Cordage Institute, 350 Lincoln Street, # 115, Hingham, Massachusetts 02043.

(7) Standards of the Society of Automotive Engineers (SAE). Information and copies may be obtained by writing to: Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, Pennsylvania 15096.

(8) Standards of the American National Standards Institute (ANSI). Information and copies may be obtained by writing to: American National Standards Institute, 25 West 43rd Street, New York, New York 10036.

(9) [Reserved].

(10) All of the materials incorporated by reference are available for inspection at:

(i) The Federal Motor Carrier Safety Administration, Office of Bus and Truck Standards and Operations, 400 Seventh Street, SW., Washington, DC 20590; and

(ii) The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

[67 FR 61225, Sept. 27, 2002, as amended at 70 FR 48027, Aug. 15, 2005]

Subpart B—Lamps, Reflective Devices, and Electrical Wiring

§393.9 Lamps operable, prohibition of obstructions of lamps and reflectors.

(a) All lamps required by this subpart shall be capable of being operated at all times. This paragraph shall not be construed to require that any auxiliary or additional lamp be capable of operating at all times.

(b) Lamps and reflective devices/material required by this subpart must not be obscured by the tailboard, or by any part of the load, or its covering by dirt, or other added vehicle or work equipment, or otherwise. Exception: The conspicuity treatments on the front end protection devices may be obscured by part of the load being transported.

[70 FR 48027, Aug. 15, 2005]

§ 393.11 Lamps and reflective devices.

(a)(1) *Lamps and reflex reflectors.* Table 1 specifies the requirements for lamps, reflective devices and associated equipment by the type of commercial motor vehicle. The diagrams in this section illustrate the position of the lamps, reflective devices and associated equipment specified in Table 1. All commercial motor vehicles manufactured on or after December 25, 1968, must, at a minimum, meet the applicable requirements of 49 CFR 571.108 (FMVSS No. 108) in effect at the time of manufacture of the vehicle. Commercial motor vehicles manufactured before December 25, 1968, must, at a minimum, meet the requirements of subpart B of part 393 in effect at the time of manufacture.

(2) *Exceptions:* Pole trailers and trailer converter dollies must meet the part 393 requirements for lamps, reflective devices and electrical equipment in effect at the time of manufacture. Trailers which are equipped with conspicuity material which meets the requirements of § 393.11(b) are not required to be equipped with the reflex reflectors listed in Table 1 if—

(i) The conspicuity material is placed at the locations where reflex reflectors are required by Table 1; and

(ii) The conspicuity material when installed on the motor vehicle meets the visibility requirements for the reflex reflectors.

(b) *Conspicuity Systems.* Each trailer of 2,032 mm (80 inches) or more overall width, and with a GVWR over 4,536 kg (10,000 pounds), manufactured on or after December 1, 1993, except pole trailers and trailers designed exclusively for living or office use, shall be equipped with either retroreflective sheeting that meets the requirements of FMVSS No. 108 (S5.7.1), reflex reflectors that meet the requirements of FMVSS No. 108 (S5.7.2), or a combination of retroreflective sheeting and reflex reflectors that meet the requirements of FMVSS No. 108 (S5.7.3). The conspicuity system shall be installed and located as specified in FMVSS No. 108 [S5.7.1.4 (for retroreflective sheeting), S5.7.2.2 (for reflex reflectors), S5.7.3 (for a combination of sheeting and reflectors)] and have certification and markings as required by S5.7.1.5 (for retroreflective tape) and S5.7.2.3 (for reflex reflectors).

(c) *Prohibition on the use of amber stop lamps and tail lamps.* No commercial motor vehicle may be equipped with an amber stop lamp, a tail lamp, or other lamp which is optically combined with an amber stop lamp or tail lamp.

(d) *Prohibition on the use of auxiliary lamps that supplement the identification lamps.* No commercial motor vehicle may be equipped with lamps that are in a horizontal line with the required identification lamps unless those lamps are required by this regulation.

TABLE 1.—REQUIRED LAMPS AND REFLECTORS ON COMMERCIAL MOTOR VEHICLES

Item on the vehicle	Quantity	Color	Location	Position	Height above the road surface in millimeters (mm) (with English units in parenthesis) measured from the center of the lamp at curb weight	Vehicles for which the devices are required
Headlamps	2	White	Front	On the front at the same height, with an equal number at each side of the vertical center line as far apart as practicable.	Not less than 559 mm (22 inches) nor more than 1,372 mm (54 inches).	A, B, C
Turn signal (front). See footnotes #2 and 12.	2	Amber	At or near the front.	One on each side of the vertical centerline at the same height and as far apart as practicable.	Not less than 381 mm (15 inches) nor more than 2,108 mm (83 inches).	A, B, C
Identification lamps (front). See footnote #1.	3	Amber	Front	As close as practicable to the top of the vehicle, at the same height, and as close as practicable to the vertical centerline of the vehicle (or the vertical centerline of the cab where different from the centerline of the vehicle) with lamp centers spaced not less than 152 mm (6 inches) or more than 305 mm (12 inches) apart. Alternatively, the front lamps may be located as close as practicable to the top of the cab.	All three on the same level as close as practicable to the top of the motor vehicle.	B, C
Tail lamps. See footnotes #5 and 11	2	Red	Rear	One lamp on each side of the vertical centerline at the same height and as far apart as practicable.	Both on the same level between 381 mm (15 inches) and 1,829 mm (72 inches).	A, B, C, D, E, F, G, H

TABLE 1.—REQUIRED LAMPS AND REFLECTORS ON COMMERCIAL MOTOR VEHICLES

Item on the vehicle	Quantity	Color	Location	Position	Height above the road surface in millimeters (mm) (with English units in parenthesis) measured from the center of the lamp at curb weight	Vehicles for which the devices are required
Stop lamps. See footnotes #5 and 13	2	Red	Rear	One lamp on each side of the vertical centerline at the same height and as far apart as practicable.	Both on the same level between 381 mm (15 inches) and 1,829 mm (72 inches).	A, B, C, D, E, F, G
Clearance lamps. See footnotes #8, 9, 10, 15 & 17.	2	Amber	One on each side of the front of the vehicle.	One on each side of the vertical centerline to indicate overall width.	Both on the same level as high as practicable.	B, C, D, G, H
	2	Red	One on each side of the rear of the vehicle.	One on each side of the vertical centerline to indicate overall width.	Both on the same level as high as practicable.	B, D, G, H
Reflex reflector, intermediate (side)	2	Amber	One on each side.	At or near the midpoint between the front and rear side marker lamps, if the length of the vehicle is more than 9,144 mm (30 feet).	Between 381 mm (15 inches) and 1,524 mm (60 inches).	A, B, D, F, G
Reflex reflector (rear). See footnotes #5, 6, and 8.	2	Red	Rear	One on each side of the vertical centerline, as far apart as practicable and at the same height.	Both on the same level, between 381 mm (15 inches) and 1,524 mm (60 inches).	A, B, C, D, E, F, G
Reflex reflector (rear side).	2	Red	One on each side (rear).	As far to the rear as practicable.	Both on the same level, between 381 mm (15 inches) and 1,524 mm (60 inches).	A, B, D, F, G
Reflex reflector (front side). See footnote #16.	2	Amber	One on each side (front).	As far to the front as practicable.	Between 381 mm (15 inches) and 1,524 mm (60 inches).	A, B, C, D, F, G
License plate lamp (rear). See footnote #11.	1	White	At rear license plate to illuminate the plate from the top or sides.		No requirements	A, B, C, D, F, G
Side marker lamp (front). See footnote #16.	2	Amber	One on each side.	As far to the front as practicable.	Not less than 381 mm (15 inches).	A, B, C, D, F

Side marker lamp intermediate	2 Amber	One on each side.	At or near the midpoint between the front and rear side marker lamps, if the length of the vehicle is more than 9,144 mm (30 feet). As far to the rear as practicable.	Not less than 381 mm (15 inches).	A, B, D, F, G
Side marker lamp (rear). See footnotes #4 and 8.	2 Red	One on each side.	As far to the rear as practicable.	Not less than 381 mm (15 inches), and on the rear of trailers not more than 1,524 mm (60 inches). Both on the same level, between 381 mm (15 inches) and 2,108 mm (83 inches).	A, B, D, F, G
Turn signal (rear). See footnotes #5 and 12.	2 Amber or red	Rear	One lamp on each side of the vertical centerline as far apart as practicable.	Both on the same level, between 381 mm (15 inches) and 2,108 mm (83 inches).	A, B, C, D, E, F, G
Identification lamp (rear). See footnotes #3, 7, and 15.	3 Red	Rear	One as close as practicable to the vertical centerline. One on each side with lamp centers spaced not less than 152 mm (6 inches) or more than 305 mm (12 inches) apart.	All three on the same level as close as practicable to the top of the vehicle.	B, D, G
Vehicular hazard warning signal flasher lamps. See footnotes #5 and 12.	2 Amber	Front	One lamp on each side of the vertical centerline, as far apart as practicable.	Both on the same level, between 381 mm (15 inches) and 2,108 mm (83 inches).	A, B, C
	2 Amber or red	Rear	One lamp on each side of the vertical centerline, as far apart as practicable.	Both on the same level, between 381 mm (15 inches) and 2,108 mm (83 inches).	A, B, C, D, E, F, G
Backup lamp. See footnote #14	1 or 2 White	Rear	Rear	No requirement	A, B, C
Parking lamp	2 Amber or white	Front	One lamp on each side of the vertical centerline, as far apart as practicable.	Both on the same level, between 381 mm (15 inches) and 2,108 mm (83 inches).	A

Legend: Types of commercial motor vehicles shown in the last column of Table 1.

- A. Buses and trucks less than 2,032 mm (80 inches) in overall width.
- B. Buses and trucks 2,032 mm (80 inches) or more in overall width.
- C. Truck tractors.
- D. Semitrailers and full trailers 2,032 mm (80 inches) or more in overall width except converter dollies.
- E. Converter dolly.
- F. Semitrailers and full trailers less than 2,032 mm (80 inches) in overall width.
- G. Pole trailers.
- H. Projecting loads.

Note: Lamps and reflectors may be combined as permitted by § 393.22 and S5.4 of 49 CFR 571.108. Equipment combinations.

Footnote—1 Identification lamps may be mounted on the vertical centerline of the cab where different from the centerline of the vehicle, except where the cab is not more than 42 inches wide at the front roofline, then a single lamp at the center of the cab shall be deemed to comply with the requirements for identification lamps. No part of the identification lamps or their mountings may extend below the top of the vehicle windshield.

Footnote—2 Unless the turn signals on the front are so constructed (double-faced) and located as to be visible to passing drivers, two turn signals are required on the rear of the truck tractor, one at each side as far apart as practicable.

Footnote—3 The identification lamps need not be visible or lighted if obscured by a vehicle in the same combination.

Footnote—4 Any semitrailer or full trailer manufactured on or after March 1, 1979, shall be equipped with rear side-marker lamps at a height of not less than 381 mm (15 inches), and on the rear of trailers not more than 1,524 mm (60 inches) above the road surface, as measured from the center of the lamp on the vehicle at curb weight.

Footnote—5 Each converter dolly, when towed singly by another vehicle and not as part of a full trailer, shall be equipped with one stop lamp, one tail lamp, and two reflectors (one on each side of the vertical centerline, as far apart as practicable) on the rear. Each converter dolly shall be equipped with rear turn signals and vehicular hazard warning signal flasher lamps when towed singly by another vehicle and not as part of a full trailer, if the converter dolly obscures the turn signals at the rear of the towing vehicle.

Footnote—6 Pole trailers shall be equipped with two reflex reflectors on the rear, one on each side of the vertical centerline as far apart as practicable, to indicate the extreme width of the trailer.

Footnote—7 Pole trailers, when towed by motor vehicles with rear identification lamps meeting the requirements of §393.11 and mounted at a height greater than the load being transported on the pole trailer, are not required to have rear identification lamps.

Footnote—8 Pole trailers shall have on the rear most support for the load: (1) Two front clearance lamps, one on each side of the vehicle, both on the same level and as high as practicable to indicate the overall width of the pole trailer; (2) Two rear clearance lamps, one on each side of the vehicle, both on the same level and as high as practicable to indicate the overall width of the pole trailer; (3) Two rear side marker lamps, one on each side of the vehicle, both on the same level, not less than 375 mm (15 inches) above the road surface; (4) Two rear reflex reflectors, one on each side, both on the same level, not less than 375 mm (15 inches) above the road surface to indicate maximum width of the pole trailer; and (5) one red reflector on each side of the rear most support for the load. Lamps and reflectors may be combined as allowed in §393.22.

Footnote—9 Any motor vehicle transporting a load which extends more than 102 mm (4 inches) beyond the overall width of the motor vehicle shall be equipped with the following lamps in addition to other required lamps when operated during the hours when headlamps are required to be used.

(1) The foremost edge of that portion of the load which projects beyond the side of the vehicle shall be marked (at its outermost extremity) with an amber lamp visible from the front and side.

(2) The rear most edge of that portion of the load which projects beyond the side of the vehicle shall be marked (at its outermost extremity) with a red lamp visible from the rear and side.

(3) If the projecting load does not measure more than 914 mm (3 feet) from front to rear, it shall be marked with an amber lamp visible from the front, both sides, and rear, except that if the projection is located at or near the rear it shall be marked by a red lamp visible from front, side, and rear.

Footnote—10 Projections beyond rear of motor vehicles. Motor vehicles transporting loads which extend more than 1,219 mm (4 feet) beyond the rear of the motor vehicle, or which have tailboards or tailgates extending more than 1,219 mm (4 feet) beyond the body, shall have these projections marked as follows when the vehicle is operated during the hours when headlamps are required to be used:

(1) On each side of the projecting load, one red side marker lamp, visible from the side, located so as to indicate maximum overhang.

(2) On the rear of the projecting load, two red lamps, visible from the rear, one at each side, and two red reflectors visible from the rear, one at each side, located so as to indicate maximum width.

Footnote—11 To be illuminated when tractor headlamps are illuminated.

Footnote—12 Every bus, truck, and truck tractor shall be equipped with a signaling system that, in addition to signaling turning movements, shall have a switch or combination of switches that will cause the two front turn signals and the two rear signals to flash simultaneously as a vehicular traffic signal warning, required by §392-22(a). The system shall be capable of flashing simultaneously with the ignition of the vehicle on or off.

Footnote—13 To be actuated upon application of service brakes.

Footnote—14 Backup lamp required to operate when bus, truck, or truck tractor is in reverse.

Footnote—15 For the purposes of Section 393.11, the term "overall width" refers to the nominal design dimension of the widest part of the vehicle, exclusive of the signal lamps, marker lamps, outside rearview mirrors, flexible fender extensions, and mud flaps.

(2) Clearance lamps may be mounted at a location other than on the front and rear if necessary to indicate the overall width of a vehicle, or for protection from damage during normal operation of the vehicle.

(3) On a trailer, the front clearance lamps may be mounted at a height below the extreme height if mounting at the extreme height results in the lamps failing to mark the overall width of the trailer.

(4) On a truck tractor, clearance lamps mounted on the cab may be located to indicate the width of the cab, rather than the width of the vehicle.

(5) When the rear identification lamps are mounted at the extreme height of a vehicle, rear clearance lamps are not required to be located as close as practicable to the top of the vehicle.

Footnote—16 A trailer subject to this part that is less than 1829 mm (6 feet) in overall length, including the trailer tongue, need not be equipped with front side marker lamps and front side reflex reflectors.

Footnote—17 A boat trailer subject to this part whose overall width is 2032 mm (80 inches) or more need not be equipped with both front and rear clearance lamps provided an amber (front) and red (rear) clearance lamp is located at or near the midpoint on each side so as to indicate its extreme width.

Figure 1 - Truck Tractor Illustration for § 393.11

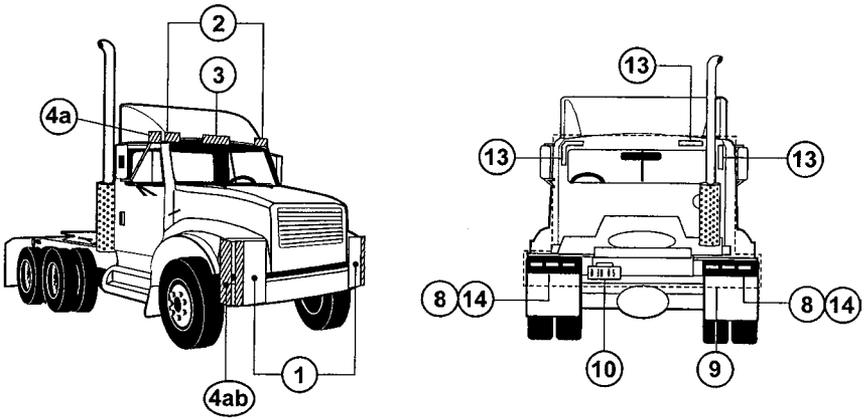


Figure 2 - Straight Truck Illustration for § 393.11

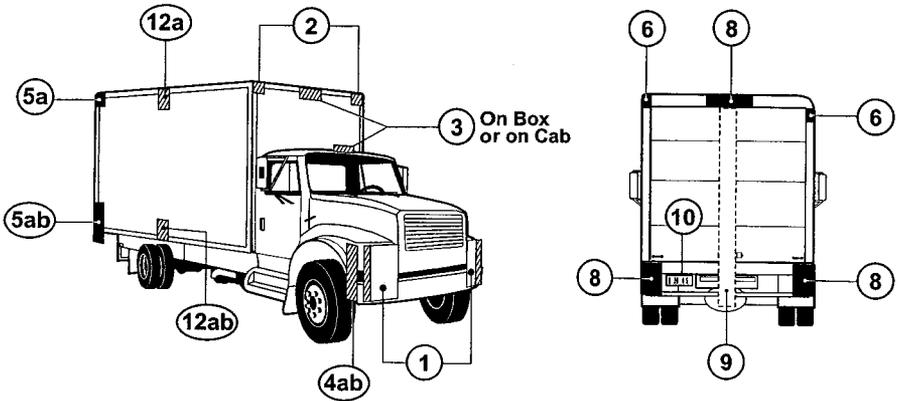


Figure 3 - Straight Truck Illustration for § 393.11

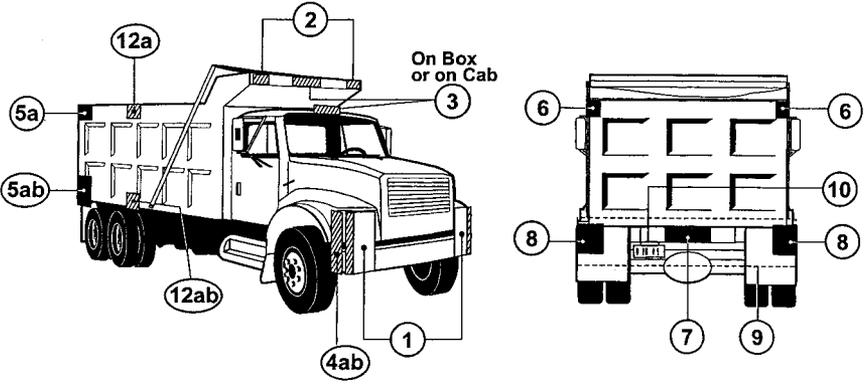


Figure 4 - Straight Truck Illustration for § 393.11

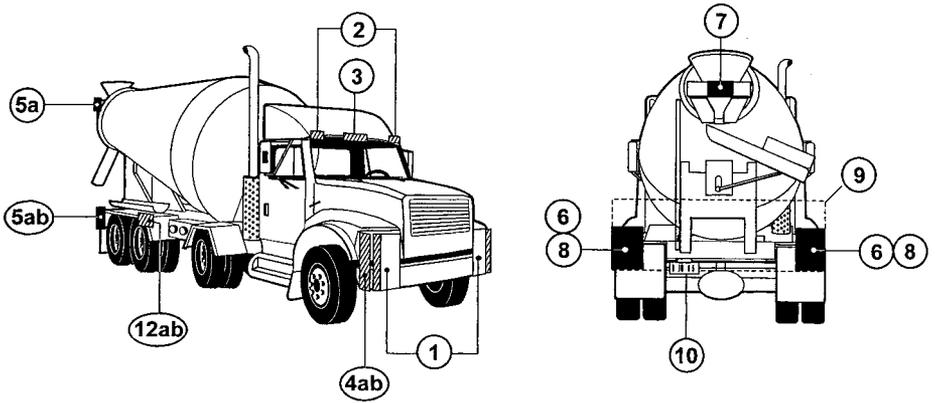


Figure 5 - Straight Truck Illustration for § 393.11

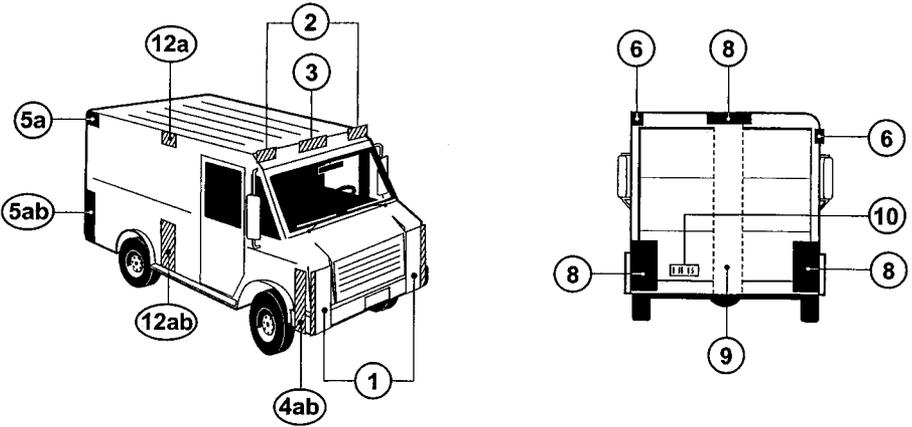


Figure 6 - Straight Truck Illustration for § 393.11

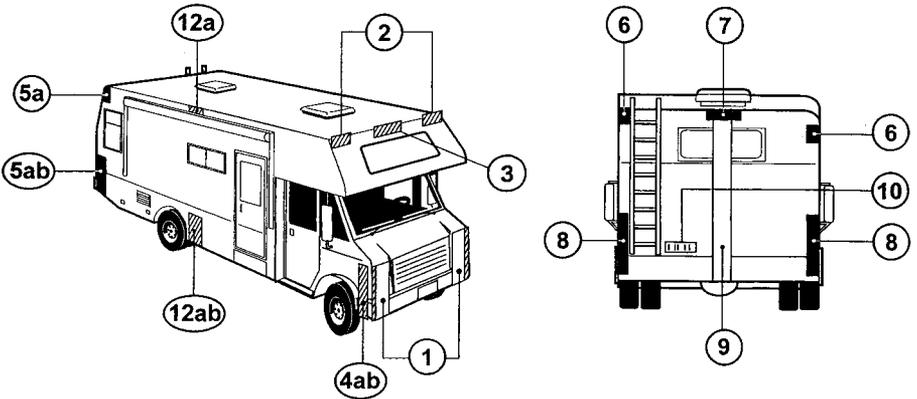
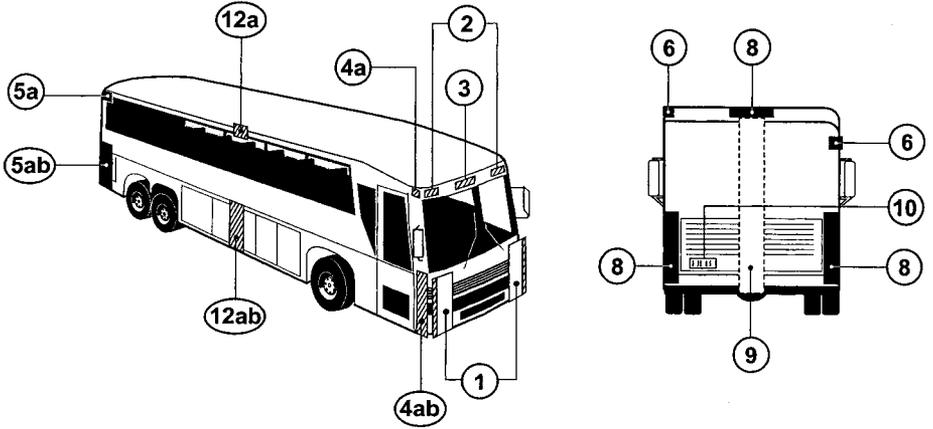


Figure 7 - Bus Illustration for § 393.11



**LEGEND FOR FIGURES 1 THROUGH 7 - 49 CFR 393.11
TRUCK & BUS VEHICLE ILLUSTRATIONS
(DOES NOT APPLY TO FIGURES 8 THROUGH 18 FOR TRAILERS)**

Area	Equipment
①	Headlamps - Lower Beam
	Headlamps - Upper Beam
	Parking Lamps - Attention: <i>Required only on vehicles less than 2032mm wide</i>
	Front Turn Signal/Hazard Warning Lamps
②	Front Clearance Lamps - Attention: <i>Required for vehicles 2032mm wide or wider</i>
③	Front Identification Lamps (ID)
④a	Front Side Marker Lamps
④b	Front Side Reflex Reflectors
⑤a	Rear Side Marker Lamps - <i>Not required on Truck Tractors</i>
⑤b	Rear Side Reflex Reflectors - <i>Not required on Truck Tractors</i>
⑥	Rear Clearance Lamps
	Attention: <i>Required for vehicles 2032mm wide or wider, but not required on Truck Tractors</i>
⑦	Rear Identification Lamps (ID)
	Attention: <i>Required for vehicles 2032mm wide or wider, but not required on Truck Tractors</i>
⑧	Tail Lamps
	Stop Lamps
	Rear Turn Signal/Hazard Warning Lamps
	Rear Reflex Reflectors
⑨	Backup Lamp
⑩	License Plate Lamp
⑪	Center High Mounted Stop Lamp
	Attention: <i>Required for vehicles less than 2032mm wide and 4536kg</i>

ADDITIONAL EQUIPMENT FOR SPECIFIC TRUCKS AND BUS VEHICLES

Area	Equipment
⑫a	Intermediate Side Marker Lamps
⑫b	Intermediate Side Reflex Reflectors

TRUCK TRACTORS

	DESCRIPTION
Area	Conspicuity Treatment
⑬	Rear Upper Body Marking
⑭	Rear Marking

Figure 8 - Semi-Trailer Illustration for § 393.11

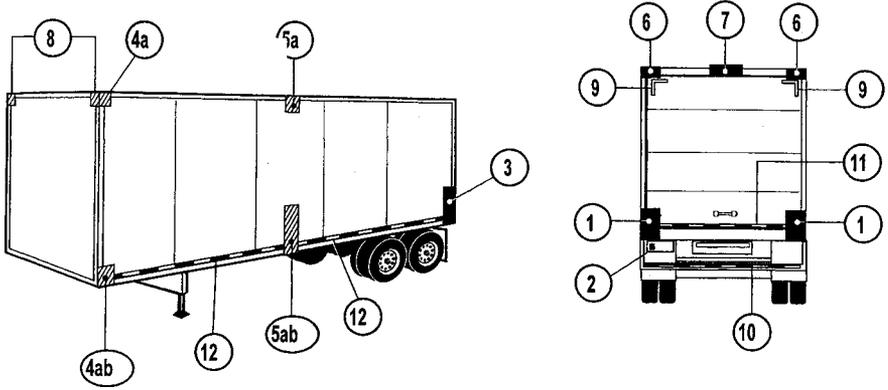


Figure 9 - Semi-Trailer Illustration for § 393.11

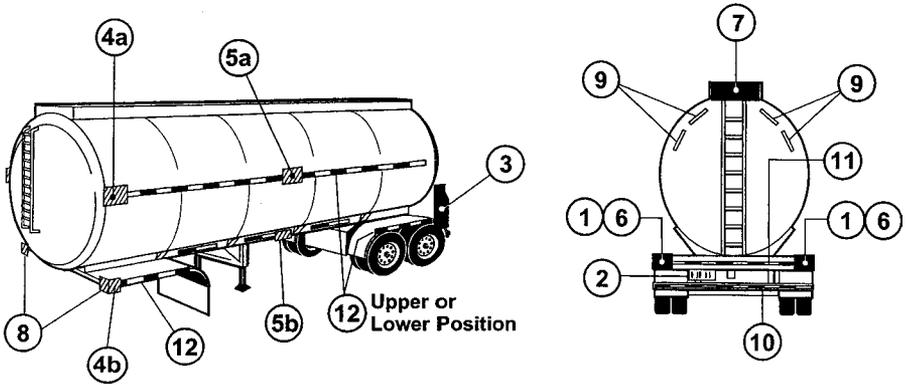


Figure 10 - Semi-Trailer Illustration for § 393.11

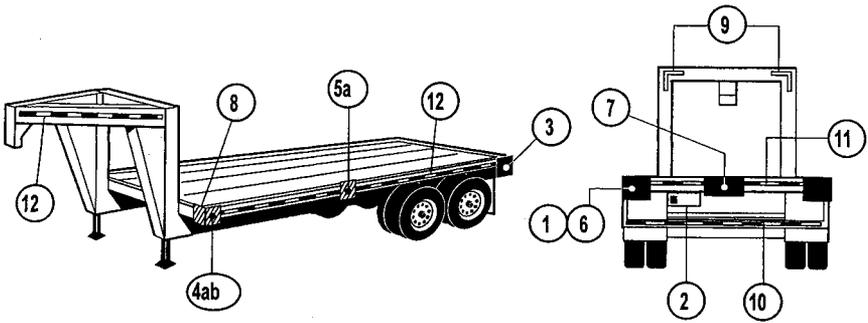
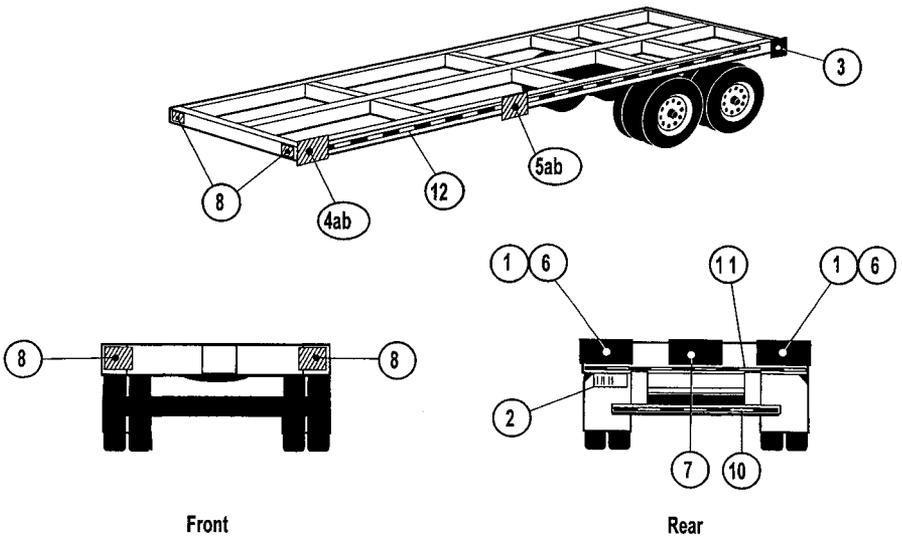
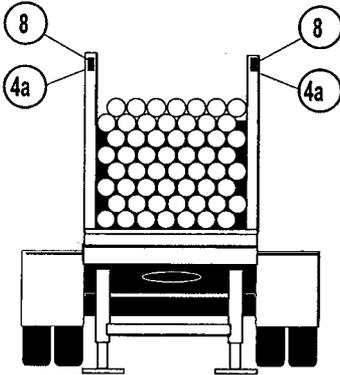
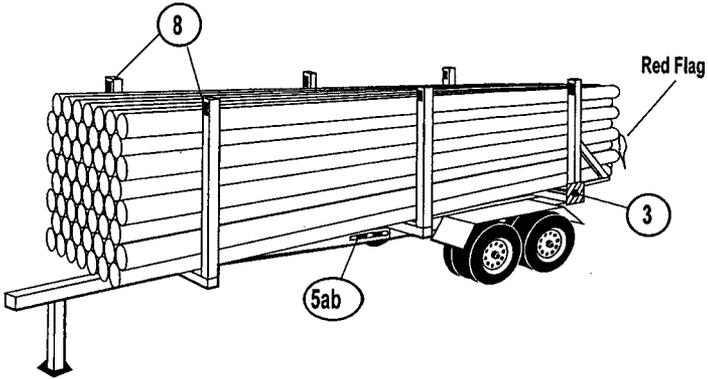


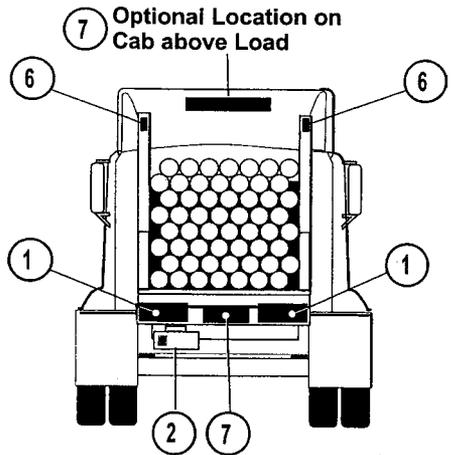
Figure 11 - Container Chassis Illustration for § 393.11



**Figure 12 - Pole Trailer Illustration for § 393.11
- All Vehicle Widths**

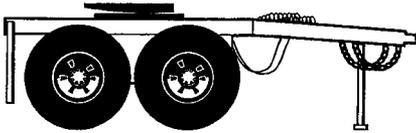
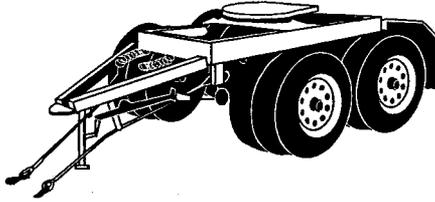


Front of Vehicle

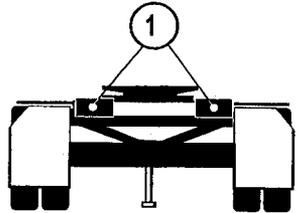


**Rear of Vehicle
(Including Truck Cab)**

Figure 13 - Converter Dolly Illustration for § 393.11



Side View of Dolly



Rear

Figure 14 - Semi-Trailer Illustration for § 393.11

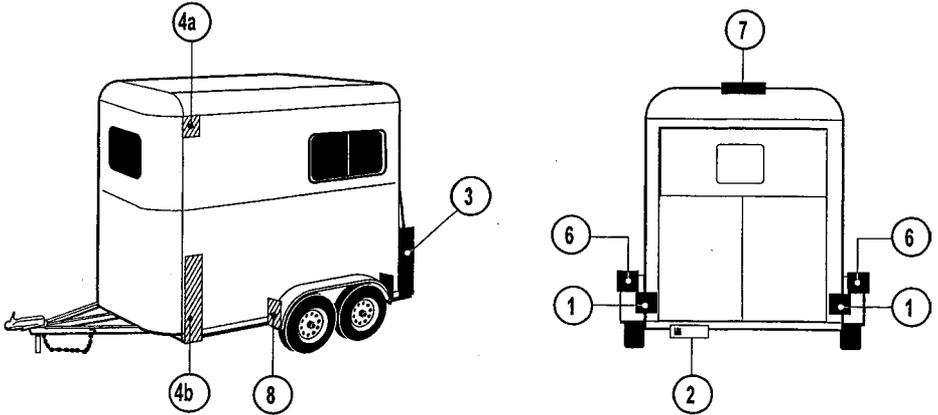


Figure 15 - Semi-Trailer Illustration for § 393.11

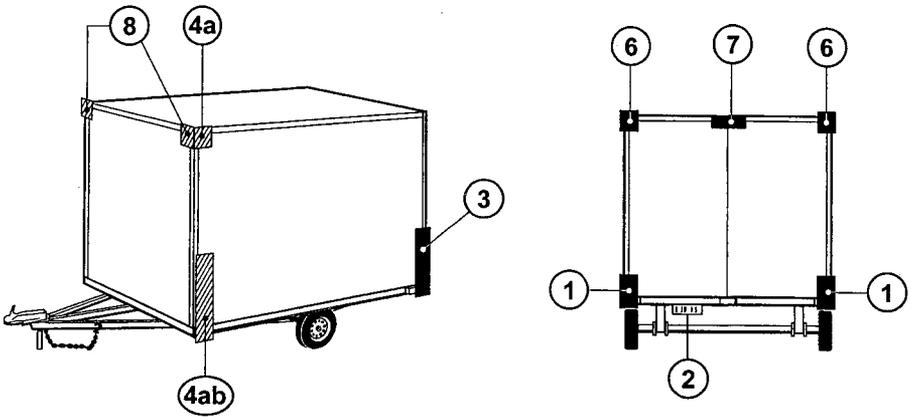


Figure 16 - Semi-Trailer Illustration for § 393.11

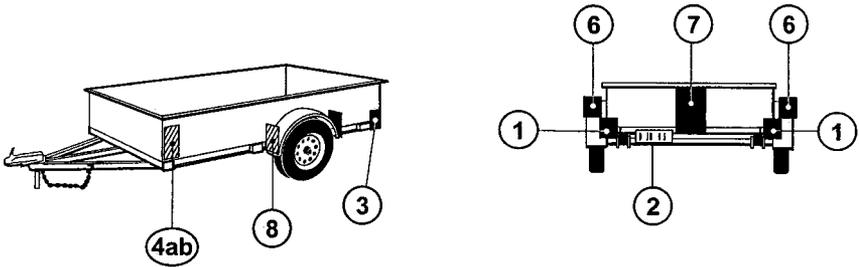


Figure 17 - Semi-Trailer Illustration for § 393.11

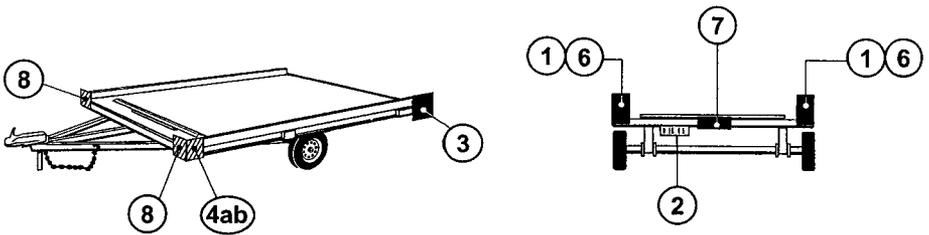
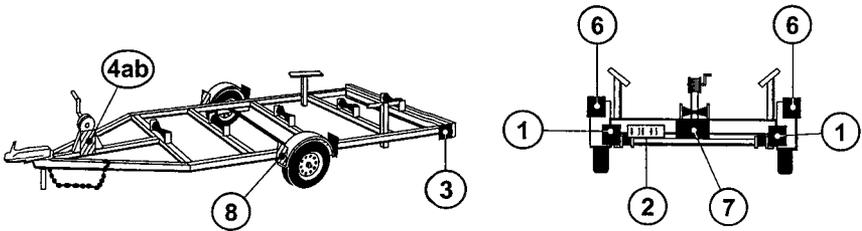


Figure 18 - Semi-Trailer Illustration for § 393.11



**LEGEND FOR FIGURES 8 THROUGH 18 - 49 CFR 393.11
TRAILER ILLUSTRATIONS**

(DOES NOT APPLY TO FIGURES 1 THROUGH 7 FOR TRUCKS & BUSES)

Area	Equipment
1	Tail Lamps
	Stop Lamps
	Rear Turn Signal Lamps
	Rear Reflex Reflectors
2	License Plate Lamp (s)
3	Rear Side Marker Lamps
	Rear Side Reflex Reflectors
4a	Front Side Marker Lamps
4b	Front Side Reflex Reflectors

**ADDITIONAL EQUIPMENT FOR TRAILERS EXCEEDING THE
FOLLOWING PARAMETERS**

LENGTH 9.1 m (30 ft.) OR LONGER

Area	Equipment
5a	Intermediate Side Marker Lamps
5b	Intermediate Side Reflex Reflectors

WIDTH 2.032 m (80 in.) OR WIDER

Area	Equipment
6	Rear Clearance Lamps
7	Rear Identification Lamps
8	Front Clearance Lamps

**WIDTH 2.032 m (80 in.) OR WIDER AND GVWR 4,536 kg (10,000 lb.)
OR MORE**

Area	DESCRIPTION Conspicuity Treatment
9	Rear Upper Body Marking
10	Bumper Bar Marking
11	Rear Lower Body Marking
12	Side Marking

[70 FR 48027, Aug. 15, 2005]

§ 393.13 Retroreflective sheeting and reflex reflectors, requirements for semitrailers and trailers manufactured before December 1, 1993.

(a) *Applicability.* All trailers and semitrailers manufactured prior to December 1, 1993, which have an overall width of 2,032 mm (80 inches) or more and a gross vehicle weight rating of 4,536 kg (10,001 pounds) or more, except trailers that are manufactured exclusively for use as offices or dwellings, pole trailers (as defined in § 390.5 of this subchapter), and trailers transported in a driveway-towaway operation, must be equipped with retroreflective sheeting or an array of reflex reflectors that meet the requirements of this section. Motor carriers operating trailers, other than container chassis (as defined in § 393.5), have until June 1, 2001, to comply with the requirements of this section. Motor carriers operating container chassis have until December 1, 2001, to comply with the requirements of this section.

(b) *Retroreflective sheeting and reflex reflectors.* Motor carriers are encouraged to retrofit their trailers with a conspicuity system that meets all of the requirements applicable to trailers manufactured on or after December 1, 1993, including the use of retroreflective sheeting or reflex reflectors in a red and white pattern (see Federal Motor Vehicle Safety Standard No. 108 (49 CFR 571.108), S5.7, *Conspicuity systems*). Motor carriers which do not retrofit their trailers to meet the requirements of FMVSS No. 108, for example by using an alternative color pattern, must comply with the remainder of this paragraph and with paragraph (c) or (d) of this section. Retroreflective sheeting or reflex reflectors in colors or color combinations other than red and white may be used on the sides or lower rear area of the semitrailer or trailer until June 1, 2009. The alternate color or color combination must be uniform along the sides and lower rear area of the trailer. The retroreflective sheeting or reflex reflectors on the upper rear area of the trailer must be white and conform to the requirements of FMVSS No. 108 (S5.7). Red retroreflective sheeting or reflex reflectors shall not be used along the sides of the trailer unless it is used

as part of a red and white pattern. Retroreflective sheeting shall have a width of at least 50 mm (2 inches).

(c) *Locations for retroreflective sheeting—(1) Sides.* Retroreflective sheeting shall be applied to each side of the trailer or semitrailer. Each strip of retroreflective sheeting shall be positioned as horizontally as practicable, beginning and ending as close to the front and rear as practicable. The strip need not be continuous but the sum of the length of all of the segments shall be at least half of the length of the trailer and the spaces between the segments of the strip shall be distributed as evenly as practicable. The centerline for each strip of retroreflective sheeting shall be between 375 mm (15 inches) and 1,525 mm (60 inches) above the road surface when measured with the trailer empty or unladen, or as close as practicable to this area. If necessary to clear rivet heads or other similar obstructions, 50 mm (2 inches) wide retroreflective sheeting may be separated into two 25 mm (1 inch) wide strips of the same length and color, separated by a space of not more than 25 mm (1 inch).

(2) *Lower rear area.* The rear of each trailer and semitrailer must be equipped with retroreflective sheeting. Each strip of retroreflective sheeting shall be positioned as horizontally as practicable, extending across the full width of the trailer, beginning and ending as close to the extreme edges as practicable. The centerline for each of the strips of retroreflective sheeting shall be between 375 mm (15 inches) and 1,525 mm (60 inches) above the road surface when measured with the trailer empty or unladen, or as close as practicable to this area.

(3) *Upper rear area.* Two pairs of white strips of retroreflective sheeting, each pair consisting of strips 300 mm (12 inches) long, must be positioned horizontally and vertically on the right and left upper corners of the rear of the body of each trailer and semitrailer, as close as practicable to the top of the trailer and as far apart as practicable. If the perimeter of the body, as viewed from the rear, is not square or rectangular, the strips may be applied along the perimeter, as close as practicable to the uppermost and outermost areas

of the rear of the body on the left and right sides.

(d) *Locations for reflex reflectors.*—(1) *Sides.* Reflex reflectors shall be applied to each side of the trailer or semitrailer. Each array of reflex reflectors shall be positioned as horizontally as practicable, beginning and ending as close to the front and rear as practicable. The array need not be continuous but the sum of the length of all of the array segments shall be at least half of the length of the trailer and the spaces between the segments of the strip shall be distributed as evenly as practicable. The centerline for each array of reflex reflectors shall be between 375 mm (15 inches) and 1,525 mm (60 inches) above the road surface when measured with the trailer empty or unladen, or as close as practicable to this area. The center of each reflector shall not be more than 100 mm (4 inches) from the center of each adjacent reflector in the segment of the array. If reflex reflectors are arranged in an alternating color pattern, the length of reflectors of the first color shall be as close as practicable to the length of the reflectors of the second color.

(2) *Lower rear area.* The rear of each trailer and semitrailer must be equipped with reflex reflectors. Each array of reflex reflectors shall be positioned as horizontally as practicable, extending across the full width of the trailer, beginning and ending as close to the extreme edges as practicable. The centerline for each array of reflex reflectors shall be between 375 mm (15 inches) and 1,525 mm (60 inches) above the road surface when measured with the trailer empty or unladen, or as close as practicable to this area. The center of each reflector shall not be more than 100 mm (4 inches) from the center of each adjacent reflector in the segment of the array.

(3) *Upper rear area.* Two pairs of white reflex reflector arrays, each pair at least 300 mm (12 inches) long, must be positioned horizontally and vertically on the right and left upper corners of the rear of the body of each trailer and semitrailer, as close as practicable to the top of the trailer and as far apart as practicable. If the perimeter of the body, as viewed from the rear, is not square or rectangular, the arrays may

be applied along the perimeter, as close as practicable to the uppermost and outermost areas of the rear of the body on the left and right sides. The center of each reflector shall not be more than 100 mm (4 inches) from the center of each adjacent reflector in the segment of the array.

[64 FR 15605, Mar. 31, 1999, as amended at 66 FR 30339, June 6, 2001]

§393.17 Lamps and reflectors—combinations in driveaway-towaway operation.

A combination of motor vehicles engaged in driveaway-towaway operation must be equipped with operative lamps and reflectors conforming to the rules in this section.

(a) The towing vehicle must be equipped as follows:

(1) On the front, there must be at least two headlamps, an equal number at each side, two turn signals, one at each side, and two clearance lamps, one at each side.

(2) On each side, there must be at least one side-marker lamp, located near the front of the vehicle.

(3) On the rear, there must be at least two tail lamps, one at each side, and two stop lamps, one at each side.

(b) Except as provided in paragraph (c) of this section, the rearmost towed vehicle of the combination (including the towed vehicle or a tow-bar combination, the towed vehicle of a single saddle-mount combination, and the rearmost towed vehicle of a double or triple saddle-mount combination) or, in the case of a vehicle full-mounted on a saddle-mount vehicle, either the full-mounted vehicle or the rearmost saddle-mounted vehicle must be equipped as follows:

(1) On each side, there must be at least one side-marker lamp, located near the rear of the vehicle.

(2) On the rear, there must be at least two tail lamps, two stop lamps, two turn signals, two clearance lamps, and two reflectors, one of each type at each side. In addition, if any vehicle in the combination is 80 inches or more in overall width, there must be three identification lamps on the rear.

(c) If the towed vehicle in a combination is a mobile structure trailer, it must be equipped in accordance with

the following lighting devices. For the purposes of this part, *mobile structure trailer* means a trailer that has a roof and walls, is at least 10 feet wide, and can be used off road for dwelling or commercial purposes.

(1) When the vehicle is operated in accordance with the terms of a special permit prohibiting operation during the times when lighted lamps are required under §392.30, it must have on the rear—

(i) Two stop lamps, one on each side of the vertical centerline, at the same height, and as far apart as practicable;

(ii) Two tail lamps, one on each side of the vertical centerline, at the same height, and as far apart as practicable;

(iii) Two red reflex reflectors, one on each side of the vertical centerline, at

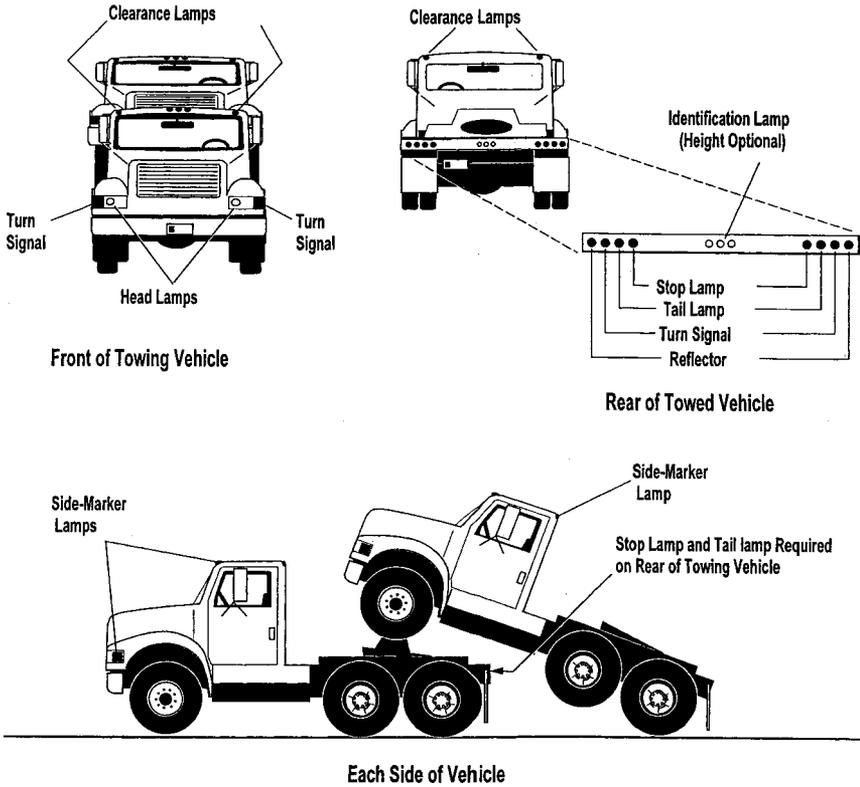
the same height, and as far apart as practicable; and

(iv) Two turn signal lamps, one on each side of the vertical centerline, at the same height, and as far apart as practicable.

(2) At all other times, the vehicle must be equipped as specified in paragraph (b) of this section.

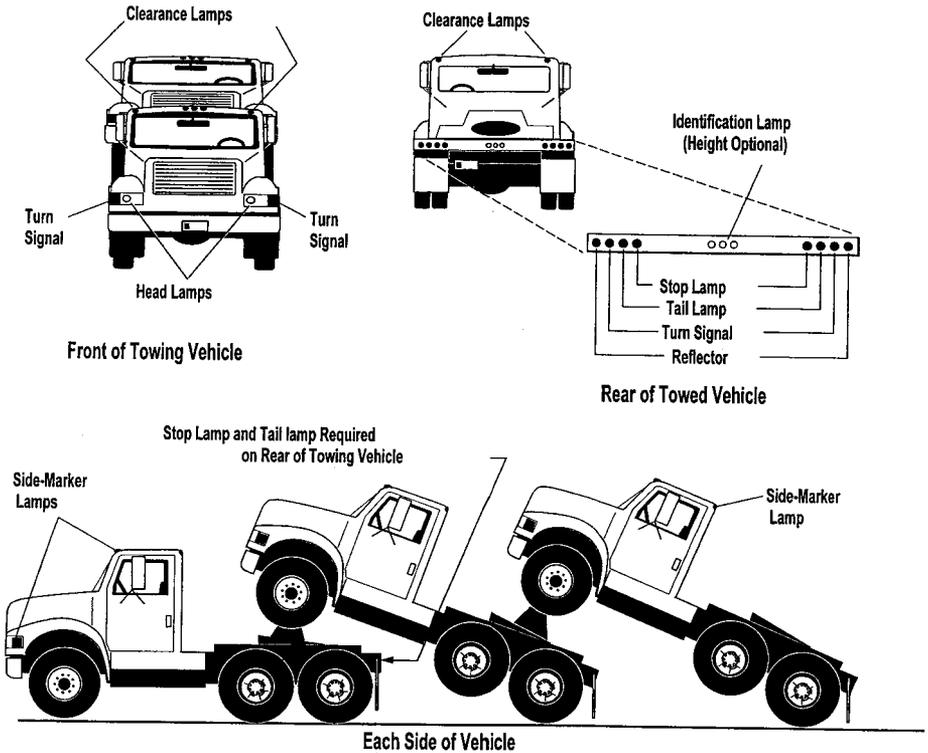
(d) An intermediate towed vehicle in a combination consisting of more than two vehicles (including the first saddle-mounted vehicle of a double saddle-mount combination and the first and second saddle-mount vehicles of a triple saddle-mount combination) must have one side-marker lamp on each side, located near the rear of the vehicle.

Figure 19 - Single-Saddle-Mount Diagram to Illustrate § 393.17



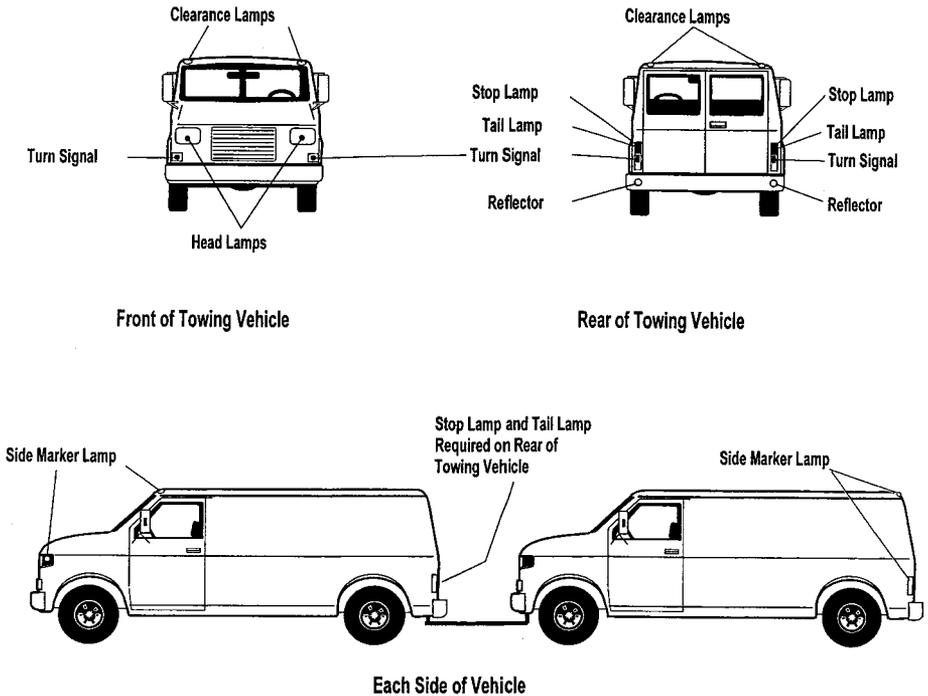
Lamps may be combined as permitted by § 393.22. The color of exterior lighting devices and reflectors shall conform to requirements of § 393.11

Figure 20 - Double-Saddle-Mount Diagram to Illustrate § 393.17



Lamps may be combined as permitted by § 393.22. The color of exterior lighting devices and reflectors shall conform to requirements of § 393.11

Figure 21 - Tow-bar Diagram to Illustrate § 393.17



Lamps may be combined as permitted by § 393.22. The color of exterior lighting devices and reflectors shall conform to requirements of § 393.11

(49 U.S.C. 304, 1655; 49 CFR 1.48(b) and 301.60)

[40 FR 36126, Aug. 19, 1975, as amended at 47 FR 47837, Oct. 28, 1982; 70 FR 48044, Aug. 15, 2005]

§ 393.19 Hazard warning signals.

The hazard warning signal operating unit on each commercial motor vehicle shall operate independently of the ignition or equivalent switch, and when activated, cause all turn signals required by § 393.11 to flash simultaneously.

[70 FR 48046, Aug. 15, 2005]

§ 393.20 [Reserved]

§ 393.22 Combination of lighting devices and reflectors.

(a) *Permitted combinations.* Except as provided in paragraph (b) of this section, two or more lighting devices and

reflectors (whether or not required by the rules in this part) may be combined optically if—

(1) Each required lighting device and reflector conforms to the applicable rules in this part; and

(2) Neither the mounting nor the use of a nonrequired lighting device or reflector impairs the effectiveness of a required lighting device or reflector or causes that device or reflector to be inconsistent with the applicable rules in this part.

(b) *Prohibited combinations.* (1) A turn signal lamp must not be combined optically with either a head lamp or other

lighting device or combination of lighting devices that produces a greater intensity of light than the turn signal lamp.

(2) A turn signal lamp must not be combined optically with a stop lamp unless the stop lamp function is always deactivated when the turn signal function is activated.

(3) A clearance lamp must not be combined optically with a tail lamp or identification lamp.

[39 FR 26908, July 24, 1974]

§ 393.23 Power supply for lamps.

All required lamps must be powered by the electrical system of the motor vehicle with the exception of battery powered lamps used on projecting loads.

[70 FR 48046, Aug. 15, 2005]

§ 393.24 Requirements for head lamps, auxiliary driving lamps and front fog lamps.

(a) *Headlamps.* Every bus, truck and truck tractor shall be equipped with headlamps as required by § 393.11(a). The headlamps shall provide an upper and lower beam distribution of light, selectable at the driver's will and be steady-burning. The headlamps shall be marked in accordance with FMVSS No. 108. Auxiliary driving lamps and/or front fog lamps may not be used to satisfy the requirements of this paragraph.

(b) *Auxiliary driving lamps and front fog lamps.* Commercial motor vehicles may be equipped with auxiliary driving lamps and/or front fog lamps for use in conjunction with, but not in lieu of the required headlamps. Auxiliary driving lamps shall meet SAE Standard J581 Auxiliary Upper Beam Lamps, July 2004, and front fog lamps shall meet SAE Standard J583 Front Fog Lamp, August 2004. (See § 393.7 for information on the incorporation by reference and availability of these documents.)

(c) *Mounting.* Headlamps shall be mounted and aimable in accordance with FMVSS No. 108. Auxiliary driving lamps and front fog lamps shall be mounted so that the beams are aimable and the mounting shall prevent the aim of the lighting device from being

disturbed while the vehicle is operating on public roads.

(d) *Aiming.* Headlamps, auxiliary driving lamps and front fog lamps shall be aimed to meet the aiming specifications in FMVSS No. 108 (49 CFR 571.108), SAE J581, and SAE J583, respectively.

[70 FR 48046, Aug. 15, 2005]

§ 393.25 Requirements for lamps other than head lamps.

(a) *Mounting.* All lamps shall be securely mounted on a rigid part of the vehicle. Temporary lamps must be securely mounted to the load and are not required to be mounted to a permanent part of the vehicle.

(b) *Visibility.* Each lamp shall be located so that it meets the visibility requirements specified by FMVSS No. 108 in effect at the time of manufacture of the vehicle. Vehicles which were not subject to FMVSS No. 108 at the time of manufacture shall have each lamp located so that it meets the visibility requirements specified in the SAE standards listed in paragraph (c) of this section. If motor vehicle equipment (e.g., mirrors, snow plows, wrecker booms, backhoes, and winches) prevents compliance with this paragraph by any required lamp, an auxiliary lamp or device meeting the requirements of this paragraph shall be provided. This shall not be construed to apply to lamps on one unit which are obscured by another unit of a combination of vehicles.

(c) *Specifications.* All required lamps (except marker lamps on projecting loads, lamps which are temporarily attached to vehicles transported in driveaway-towaway operations, and lamps on converter dollies and pole trailers) on vehicles manufactured on or after December 25, 1968, shall, at a minimum, meet the applicable requirements of FMVSS No. 108 in effect on the date of manufacture of the vehicle. Marker lamps on projecting loads, all lamps which are temporarily attached to vehicles transported in driveaway-towaway operations, and all lamps on converter dollies and pole trailers must meet the following applicable SAE standards: J586—Stop Lamps for Use on Motor Vehicles Less Than 2032 mm in Overall Width, March 2000; J2261 Stop

Lamps and Front- and Rear-Turn Signal Lamps for Use on Motor Vehicles 2032 mm or More in Overall Width, January 2002; J585—Tail Lamps (Rear Position Lamps) for Use on Motor Vehicles Less Than 2032 mm in Overall Width, March 2000; J588—Turn Signal Lamps for Use on Motor Vehicles Less Than 2032 mm in Overall Width, March 2000; J2040—Tail Lamps (Rear Position Lamps) for Use on Vehicles 2032 mm or More in Overall Width, March 2002; J592—Sidemarker Lamps for Use on Road Vehicles Less Than 2032 mm in Overall Width, August 2000. (See § 393.7 for information on the incorporation by reference and availability of these documents.)

(d) (Reserved)

(e) *Lamps to be steady-burning.* All exterior lamps (both required lamps and any additional lamps) shall be steady-burning with the exception of turn signal lamps; hazard warning signal lamps; school bus warning lamps; amber warning lamps or flashing warning lamps on tow trucks and commercial motor vehicles transporting oversized loads; and warning lamps on emergency and service vehicles authorized by State or local authorities. Lamps combined into the same shell or housing with a turn signal are not required to be steady burning while the turn signal is in use. Amber warning lamps must meet SAE J845—Optical Warning Devices for Authorized Emergency, Maintenance and Service Vehicles, May 1997. Amber flashing warning lamps must meet SAE J595—Directional Flashing Optical Warning Devices for Authorized Emergency, Maintenance and Service Vehicles, January 2005. Amber gaseous discharge warning lamps must meet SAE J1318 Gaseous Discharge Warning Lamp for Authorized Emergency, Maintenance, and Service Vehicles, May 1998. (See § 393.7(b) for information on the incorporation by reference and availability of these documents.)

(f) *Stop lamp operation.* The stop lamps on each vehicle shall be activated upon application of the service brakes. The stop lamps are not required to be activated when the emergency feature of the trailer brakes is used or when the stop lamp is optically

combined with the turn signal and the turn signal is in use.

[70 FR 48047, Aug. 15, 2005]

§ 393.26 Requirements for reflectors.

(a) *Mounting.* Reflex reflectors shall be mounted at the locations required by § 393.11. In the case of motor vehicles so constructed that requirement for a 381 mm (15-inch) minimum height above the road surface is not practical, the reflectors shall be mounted as close as practicable to the required mounting height range. All permanent reflex reflectors shall be securely mounted on a rigid part of the vehicle. Temporary reflectors on projecting loads must be securely mounted to the load and are not required to be permanently mounted to a part of the vehicle. Temporary reflex reflectors on vehicles transported in driveway-towaway operations must be firmly attached.

(b) *Specifications.* All required reflex reflectors (except reflex reflectors on projecting loads, vehicles transported in a driveway-towaway operation, converter dollies and pole trailers) on vehicles manufactured on or after December 25, 1968, shall meet the applicable requirements of FMVSS No. 108 in effect on the date of manufacture of the vehicle. Reflex reflectors on projecting loads, vehicles transported in a driveway-towaway operation, and all reflex reflectors on converter dollies and pole trailers must conform to SAE J594—Reflex Reflectors, December 2003.

(c) *Substitute material for side reflex reflectors.* Reflective material conforming to ASTM D 4956-04, Standard Specification for Retroreflective Sheeting for Traffic Control, may be used in lieu of reflex reflectors if the material as used on the vehicle, meets the performance standards in either Table I of SAE J594 or Table IA of SAE J594—Reflex Reflectors, December 2003. (See § 393.7(b) for information on the incorporation by reference and availability of these documents.)

(d) *Use of additional retroreflective surfaces.* Additional retroreflective surfaces may be used in conjunction with, but not in lieu of the reflex reflectors required in subpart B of part 393, and the substitute material for side reflex reflectors allowed by paragraph (c) of this section, provided:

(1) Designs do not resemble traffic control signs, lights, or devices, except that straight edge striping resembling a barricade pattern may be used.

(2) Designs do not tend to distort the length and/or width of the motor vehicle.

(3) Such surfaces shall be at least 3 inches from any required lamp or reflector unless of the same color as such lamp or reflector.

(4) No red color shall be used on the front of any motor vehicle, except for display of markings or placards required by §177.823 of this title.

(5) Retroreflective license plates required by State or local authorities may be used.

[33 FR 19735, Dec. 25, 1968, as amended at 35 FR 3167, Feb. 19, 1970; 53 FR 49397, Dec. 7, 1988; 70 FR 48047, Aug. 15, 2005]

§ 393.27 [Reserved]

§ 393.28 Wiring systems.

Electrical wiring shall be installed and maintained to conform to SAE J1292—Automobile, Truck, Truck-Tractor, Trailer, and Motor Coach Wiring, October 1981, except the jumper cable plug and receptacle need not conform to SAE J560. The reference to SAE J1292 shall not be construed to require circuit protection on trailers. (See §393.7(b) for information on the incorporation by reference and availability of this document.)

[70 FR 48047, Aug. 15, 2005]

§ 393.29 [Reserved]

§ 393.30 Battery installation.

Every storage battery on every vehicle, unless located in the engine compartment, shall be covered by a fixed part of the motor vehicle or protected by a removable cover or enclosure. Removable covers or enclosures shall be substantial and shall be securely latched or fastened. The storage battery compartment and adjacent metal parts which might corrode by reason of battery leakage shall be painted or coated with an acid-resisting paint or coating and shall have openings to provide ample battery ventilation and drainage. Wherever the cable to the starting motor passes through a metal compartment, the cable shall be pro-

tected against grounding by an acid and waterproof insulating bushing. Wherever a battery and a fuel tank are both placed under the driver's seat, they shall be partitioned from each other, and each compartment shall be provided with an independent cover, ventilation, and drainage.

§ 393.31—393.33 [Reserved]

Subpart C—Brakes

§ 393.40 Required brake systems.

(a) Each commercial motor vehicle must have brakes adequate to stop and hold the vehicle or combination of motor vehicles. Each commercial motor vehicle must meet the applicable service, parking, and emergency brake system requirements provided in this section.

(b) Service brakes. (1) *Hydraulic brake systems.* Motor vehicles equipped with hydraulic brake systems and manufactured on or after September 2, 1983, must, at a minimum, have a service brake system that meets the requirements of FMVSS No. 105 in effect on the date of manufacture. Motor vehicles which were not subject to FMVSS No. 105 on the date of manufacture must have a service brake system that meets the applicable requirements of §§393.42, 393.48, 393.49, 393.51, and 393.52 of this subpart.

(2) *Air brake systems.* Buses, trucks and truck-tractors equipped with air brake systems and manufactured on or after March 1, 1975, and trailers manufactured on or after January 1, 1975, must, at a minimum, have a service brake system that meets the requirements of FMVSS No. 121 in effect on the date of manufacture. Motor vehicles which were not subject to FMVSS No. 121 on the date of manufacture must have a service brake system that meets the applicable requirements of §§393.42, 393.48, 393.49, 393.51, and 393.52 of this subpart.

(3) *Vacuum brake systems.* Motor vehicles equipped with vacuum brake systems must have a service brake system that meets the applicable requirements of §§393.42, 393.48, 393.49, 393.51, and 393.52 of this subpart.

(4) *Electric brake systems.* Motor vehicles equipped with electric brake systems must have a service brake system that meets the applicable requirements of §§ 393.42, 393.48, 393.49 and 393.52 of this subpart.

(c) *Parking brakes.* Each commercial motor vehicle must be equipped with a parking brake system that meets the applicable requirements of § 393.41.

(d) *Emergency brakes—partial failure of service brakes.*

(1) *Hydraulic brake systems.* Motor vehicles manufactured on or after September 2, 1983, and equipped with a split service brake system must, at a minimum, meet the partial failure requirements of FMVSS No. 105 in effect on the date of manufacture.

(2) *Air brake systems.* Buses, trucks and truck tractors manufactured on or after March 1, 1975, and trailers manufactured on or after January 1, 1975, must be equipped with an emergency brake system which, at a minimum, meets the requirements of FMVSS No. 121 in effect on the date of manufacture.

(3) *Vehicles not subject to FMVSS Nos. 105 and 121 on the date of manufacture.* Buses, trucks and truck tractors not subject to FMVSS Nos. 105 or 121 on the date of manufacture must meet the requirements of § 393.40(e). Trailers not subject to FMVSS No. 121 at the time of manufacture must meet the requirements of § 393.43.

(e) *Emergency brakes, vehicles manufactured on or after July 1, 1973.* (1) A bus, truck, truck tractor, or a combination of motor vehicles manufactured on or after July 1, 1973, and not covered under paragraphs (d)(1) or (d)(2) of this section, must have an emergency brake system which consists of emergency features of the service brake system or an emergency system separate from the service brake system. The emergency brake system must meet the applicable requirements of §§ 393.43 and 393.52.

(2) A control by which the driver applies the emergency brake system must be located so that the driver can operate it from the normal seating position while restrained by any seat belts with which the vehicle is equipped. The emergency brake control may be combined with either the service brake

control or the parking brake control. However, all three controls may not be combined.

(f) *Interconnected systems.* (1) If the brake systems required by § 393.40(a) are interconnected in any way, they must be designed, constructed, and maintained so that in the event of a failure of any part of the operating mechanism of one or more of the systems (except the service brake actuation pedal or valve), the motor vehicle will have operative brakes and, for vehicles manufactured on or after July 1, 1973, be capable of meeting the requirements of § 393.52(b).

(2) A motor vehicle to which the requirements of FMVSS No. 105 (S5.1.2), dealing with partial failure of the service brake, applied at the time of manufacture meets the requirements of § 393.40(f)(1) if the motor vehicle is maintained in conformity with FMVSS No. 105 and the motor vehicle is capable of meeting the requirements of § 393.52(b), except in the case of a structural failure of the brake master cylinder body.

(3) A bus is considered to meet the requirements of § 393.40(f)(1) if it meets the requirements of § 393.44 and § 393.52(b).

[70 FR 48048, Aug. 15, 2005]

§ 393.41 Parking brake system.

(a) *Hydraulic-braked vehicles manufactured on or after September 2, 1983.* Each truck and bus (other than a school bus) with a GVWR of 4,536 kg (10,000 pounds) or less which is subject to this part and school buses with a GVWR greater than 4,536 kg (10,000 pounds) shall be equipped with a parking brake system as required by FMVSS No. 571.105 (S5.2) in effect at the time of manufacture. The parking brake shall be capable of holding the vehicle or combination of vehicles stationary under any condition of loading in which it is found on a public road (free of ice and snow). Hydraulic-braked vehicles which were not subject to the parking brake requirements of FMVSS No. 571.105 (S5.2) must be equipped with a parking brake system that meets the requirements of paragraph (c) of this section.

(b) *Air-braked power units manufactured on or after March 1, 1975, and air-*

braked trailers manufactured on or after January 1, 1975.

Each air-braked bus, truck and truck tractor manufactured on and after March 1, 1975, and each air-braked trailer except an agricultural commodity trailer, converter dolly, heavy hauler trailer or pulpwood trailer, shall be equipped with a parking brake system as required by FMVSS No. 121 (S5.6) in effect at the time of manufacture. The parking brake shall be capable of holding the vehicle or combination of vehicles stationary under any condition of loading in which it is found on a public road (free of ice and snow). An agricultural commodity trailer, heavy hauler or pulpwood trailer shall carry sufficient chocking blocks to prevent movement when parked.

(c) Vehicles not subject to FMVSS Nos. 105 and 121 on the date of manufacture. (1) Each singly driven motor vehicle not subject to parking brake requirements of FMVSS Nos. 105 or 121 at the time of manufacturer, and every combination of motor vehicles must be equipped with a parking brake system adequate to hold the vehicle or combination on any grade on which it is operated, under any condition of loading in which it is found on a public road (free of ice and snow).

(2) The parking brake system shall, at all times, be capable of being applied by either the driver's muscular effort or by spring action. If other energy is used to apply the parking brake, there must be an accumulation of that energy isolated from any common source and used exclusively for the operation of the parking brake.

Exception: This paragraph shall not be applicable to air-applied, mechanically-held parking brake systems which meet the parking brake requirements of FMVSS No. 121 (S5.6).

(3) The parking brake system shall be held in the applied position by energy other than fluid pressure, air pressure, or electric energy. The parking brake system shall not be capable of being released unless adequate energy is available to immediately reapply the parking brake with the required effectiveness.

[70 FR 48048, Aug. 15, 2005]

§ 393.42 Brakes required on all wheels.

(a) Every commercial motor vehicle shall be equipped with brakes acting on all wheels.

(b) *Exception.* (1) Trucks or truck tractors having three or more axles and manufactured before July 25, 1980, are not required to have brakes on the front wheels. However, these vehicles must meet the requirements of § 393.52.

(2) Motor vehicles being towed in a driveaway-towaway operation are not required to have operative brakes provided the combination of vehicles meets the requirements of § 393.52. This exception is not applicable to:

(i) Any motor vehicle towed by means of a tow-bar when another motor vehicle is full-mounted on the towed vehicle; and

(ii) Any combination of motor vehicles utilizing three or more saddle-mounts.

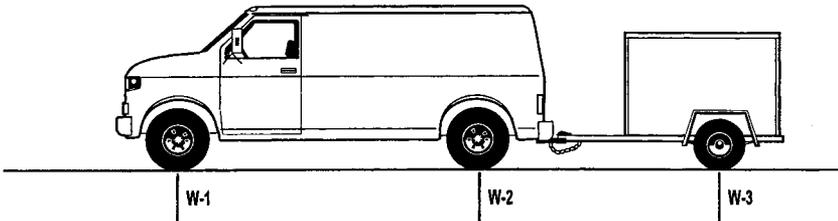
(3) Any semitrailer or pole trailer (laden or unladen) with a gross weight of 1,361 kg (3,000 pounds) or less which is subject to this part is not required to be equipped with brakes if the axle weight of the towed vehicle does not exceed 40 percent of the sum of the axle weights of the towing vehicle.

(4) Any full trailer or four-wheel pole trailer (laden or unladen) with a gross weight of 1,361 kg (3,000 pounds) or less which is subject to this part is not required to be equipped with brakes if the sum of the axle weights of the towed vehicle does not exceed 40 percent of the sum of the axle weights of the towing vehicle.

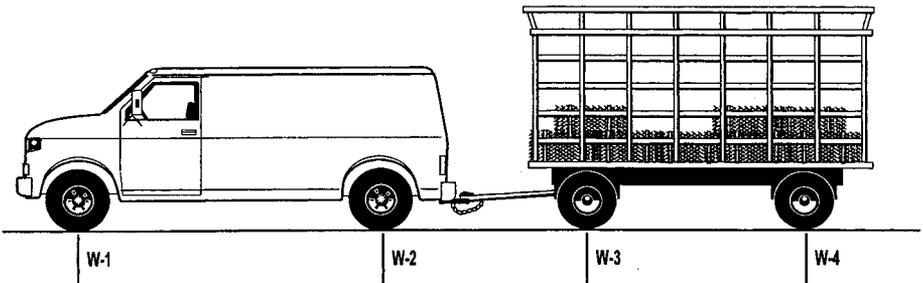
(5) Brakes are not required on the steering axle of a three-axle dolly which is steered by a co-driver.

(6) Loaded housemoving dollies, specialized trailers and dollies used to transport industrial furnaces, reactors, and similar motor vehicles are not required to be equipped with brakes, provided the speed at which the combination of vehicles will be operated does not exceed 32 km/hour (20 mph) and brakes on the combination of vehicles are capable of stopping the combination within 12.2 meters (40 feet) from the speed at which the vehicle is being operated or 32 km/hour (20 mph), whichever is less.

Figure 22 - Illustrations of Brake Requirements for Light-Duty Trailers in § 393.42



(Semitrailer or 2-wheel pole trailer of 1,360 kilograms (3,000 pounds) gross weight or less must be equipped with brakes if W-3 is greater than 40 percent of the sum of W-1 and W-2.)



(Full trailer or 4-wheel pole trailer of 1,360 kilograms (3,000 pounds) gross weight or less must be equipped with brakes if the sum of W-3 and W-4 is greater than 40 percent of the sum of W-1 and W-2.)

[52 FR 2803, Jan. 27, 1987, as amended at 53 FR 49398, Dec. 7, 1988; 54 FR 48617, Nov. 24, 1989; 59 FR 25574, May 17, 1994; 61 FR 1843, Jan. 24, 1996; 70 FR 48049, Aug. 15, 2005]

§ 393.43 Breakaway and emergency braking.

(a) *Towing vehicle protection system.* Every motor vehicle, if used to tow a trailer equipped with brakes, shall be equipped with a means for providing that in the case of a breakaway of the trailer, the service brakes on the towing vehicle will be capable of stopping the towing vehicle. For air braked towing units, the tractor protection valve or similar device shall operate automatically when the air pressure on the towing vehicle is between 138 kPa and 310 kPa (20 psi and 45 psi).

(b) *Emergency brake requirements, air brakes.* Every truck or truck tractor equipped with air brakes, when used for towing other vehicles equipped with air brakes, shall be equipped with two means of activating the emergency features of the trailer brakes. One of these means shall operate automatically in the event of reduction of the towing vehicle air supply to a fixed pressure which shall not be lower than 20 pounds per square inch nor higher than 45 pounds per square inch. The other means shall be a manually controlled device readily operable by a person

seated in the driving seat. Its emergency position or method of operation shall be clearly indicated. In no instance may the manual means be so arranged as to permit its use to prevent operation of the automatic means. The automatic and manual means required by this section may be, but are not required to be, separate.

(c) *Emergency brake requirements, vacuum brakes.* Every truck tractor and truck when used for towing other vehicles equipped with vacuum brakes, shall have, in addition to the single control required by § 393.49 to operate all brakes of the combination, a second manual control device which can be used to operate the brakes on the towed vehicles in emergencies. Such second control shall be independent of brake air, hydraulic, and other pressure, and independent of other controls, unless the braking system be so arranged that failure of the pressure on which the second control depends will cause the towed vehicle brakes to be applied automatically. The second control is not required by this rule to provide modulated or graduated braking.

(d) *Breakaway braking requirements for trailers.* Every trailer required to be equipped with brakes shall have brakes which apply automatically and immediately upon breakaway from the towing vehicle. With the exception of trailers having three or more axles, all brakes with which the trailer is required to be equipped must be applied upon breakaway from the towing vehicle. The brakes must remain in the applied position for at least 15 minutes.

(e) *Emergency valves.* Air brake systems installed on towed vehicles shall be so designed, by the use of "no-bleed-back" relay emergency valves or equivalent devices, that the supply reservoir used to provide air for brakes shall be safeguarded against backflow of air to the towing vehicle upon reduction of the towing vehicle air pressure.

(f) *Exception.* The requirements of paragraphs (b), (c) and (d) of this section shall not be applicable to commercial motor vehicles being transported in driveaway-towaway operations.

[53 FR 49384, Dec. 7, 1988, as amended at 70 FR 48050, Aug. 15, 2005]

§ 393.44 Front brake lines, protection.

On every bus, if equipped with air brakes, the braking system shall be so constructed that in the event any brake line to any of the front wheels is broken, the driver can apply the brakes on the rear wheels despite such breakage. The means used to apply the brakes may be located forward of the driver's seat as long as it can be operated manually by the driver when the driver is properly restrained by any seat belt assembly provided for use. Every bus shall meet this requirement or comply with the regulations in effect at the time of its manufacture.

[53 FR 49400, Dec. 7, 1988]

§ 393.45 Brake tubing and hoses; hose assemblies and end fittings.

(a) *General construction requirements for tubing and hoses, assemblies, and end fittings.* All brake tubing and hoses, brake hose assemblies, and brake hose end fittings must meet the applicable requirements of FMVSS No. 106 (49 CFR 571.106).

(b) *Brake tubing and hose installation.* Brake tubing and hose must—

(1) Be long and flexible enough to accommodate without damage all normal motions of the parts to which it is attached;

(2) Be secured against chaffing, kinking, or other mechanical damage; and

(3) Be installed in a manner that prevents it from contacting the vehicle's exhaust system or any other source of high temperatures.

(c) *Nonmetallic brake tubing.* Coiled nonmetallic brake tubing may be used for connections between towed and towing motor vehicles or between the frame of a towed vehicle and the unsprung subframe of an adjustable axle of the motor vehicle if—

(1) The coiled tubing has a straight segment (pigtail) at each end that is at least 51 mm (2 inches) in length and is encased in a spring guard or similar device which prevents the tubing from kinking at the fitting at which it is attached to the vehicle; and

(2) The spring guard or similar device has at least 51 mm (2 inches) of closed coils or similar surface at its interface with the fitting and extends at least 38

mm (1½ inches) into the coiled segment of the tubing from its straight segment.

(d) *Brake tubing and hose connections.* All connections for air, vacuum, or hydraulic braking systems shall be installed so as to ensure an attachment free of leaks, constrictions or other conditions which would adversely affect the performance of the brake system.

[70 FR 48050, Aug. 15, 2005]

§ 393.46 [Reserved]

§ 393.47 Brake actuators, slack adjusters, linings/pads and drums/rotors.

(a) *General requirements.* Brake components must be constructed, installed and maintained to prevent excessive fading and grabbing. The means of attachment and physical characteristics must provide for safe and reliable stopping of the commercial motor vehicle.

(b) *Brake chambers.* The service brake chambers and spring brake chambers on each end of an axle must be the same size.

(c) *Slack adjusters.* The effective length of the slack adjuster on each end of an axle must be the same.

(d) *Linings and pads.* The thickness of the brake linings or pads shall meet the applicable requirements of this paragraph—

(1) *Steering axle brakes.* The brake lining/pad thickness on the steering axle of a truck, truck-tractor or bus shall not be less than 4.8 mm (¾inch) at the shoe center for a shoe with a continuous strip of lining; less than 6.4 mm (¼inch) at the shoe center for a shoe with two pads; or worn to the wear indicator if the lining is so marked, for air drum brakes. The steering axle brake lining/pad thickness shall not be less than 3.2 mm (½inch) for air disc brakes, or 1.6 mm (¼inch) or less for hydraulic disc, drum and electric brakes.

(2) *Non-steering axle brakes.* An air braked commercial motor vehicle shall not be operated with brake lining/pad thickness less than 6.4 mm (¼inch) or to the wear indicator if the lining is so marked (measured at the shoe center for drum brakes); or less than 3.2 mm (½inch) for disc brakes. Hydraulic or electric braked commercial motor ve-

hicles shall not be operated with a lining/pad thickness less than 1.6 mm (¼inch) (measured at the shoe center) for disc or drum brakes.

(e) *Clamp and Roto-Chamber Brake Actuator Readjustment limits.* The pushrod travel for clamp and roto-chamber type actuators must be less than 80 percent of the rated strokes listed in SAE J1817—Long Stroke Air Brake Actuator Marking, July 2001 (See § 393.7 (b) for information on incorporation by reference and availability of this document), or 80 percent of the rated stroke marked on the brake chamber by the chamber manufacturer, or the readjustment limit marked on the brake chamber by the chamber manufacturer. The pushrod travel for Type 16 and 20 long stroke clamp type brake actuators must be less than 51 mm (2 inches) or 80 percent of the rated stroke marked on the brake chamber by the chamber manufacturer, or the readjustment limit marked on the brake chamber by the chamber manufacturer.

(f) *Wedge Brake Adjustment.* The movement of the scribe mark on the lining shall not exceed 1.6 mm (¼inch).

(g) *Drums and rotors.* The thickness of the drums or rotors shall not be less than the limits established by the brake drum or rotor manufacturer.

[70 FR 48051, Aug. 15, 2005]

§ 393.48 Brakes to be operative.

(a) *General rule.* Except as provided in paragraphs (b) and (c) of this section, all brakes with which a commercial motor vehicle is equipped must be operable at all times.

(b) *Devices to reduce or remove front-wheel braking effort.* A commercial motor vehicle may be equipped with a device to reduce the front wheel braking effort (or in the case of a three-axle truck or truck tractor manufactured before March 1, 1975, a device to remove the front-wheel braking effort) if that device meets the applicable requirements of paragraphs (b)(1) and (2) of this section.

(1) *Manually operated devices.* Manually operated devices to reduce or remove front-wheel braking effort may only be used on buses, trucks, and truck tractors manufactured before March 1, 1975. Such devices must not be

used unless the vehicle is being operated under adverse conditions such as wet, snowy, or icy roads.

(2) *Automatic devices.* Automatic devices must not reduce the front-wheel braking force by more than 50 percent of the braking force available when the automatic device is disconnected (regardless of whether or not an antilock system failure has occurred on any axle). The device must not be operable by the driver except upon application of the control that activates the braking system. The device must not be operable when the brake control application pressure exceeds 85 psig (for vehicles equipped with air brakes) or 85 percent of the maximum system pressure (for vehicles which are not equipped with air brakes).

(c) *Exception.* Paragraph (a) of this section does not apply to—

(1) A towed vehicle with disabling damage as defined in §390.5;

(2) A vehicle which is towed in a driveaway-towaway operation and is included in the exemption to the requirement for brakes on all wheels, §393.42(b);

(3) Unladen converter dollies with a gross weight of 1,361 kg (3,000 lbs) or less, and manufactured prior to March 1, 1998;

(4) The steering axle of a three-axle dolly which is steered by a co-driver;

(5) Loaded house moving dollies, specialized trailers and dollies used to transport industrial furnaces, reactors, and similar motor vehicles provided the speed at which the combination of vehicles will be operated does not exceed 32 km/hour (20 mph) and brakes on the combination of vehicles are capable of stopping the combination within 12.2 meters (40 feet) from the speed at which the vehicle is being operated or 32 km/hour (20 mph), whichever is less.

(6) Raised lift axles. Brakes on lift axles need not be capable of being operated while the lift axle is raised. However, brakes on lift axles must be capable of being applied whenever the lift axle is lowered and the tires contact the roadway.

[70 FR 48051, Aug. 15, 2005]

§ 393.49 Single valve to operate all brakes.

Every motor vehicle, the date of manufacture of which is subsequent to June 30, 1953, which is equipped with power brakes, shall have the braking system so arranged that one application valve shall when applied operate all the service brakes on the motor vehicle or combination of motor vehicles. This requirement shall not be construed to prohibit motor vehicles from being equipped with an additional valve to be used to operate the brakes on a trailer or trailers or as provided in §393.44. This section shall not be applicable to driveaway-towaway operations unless the brakes on such operations are designed to be operated by a single valve.

§ 393.50 Reservoirs required.

(a) *Reservoir capacity for air-braked power units manufactured on or after March 1, 1975, and air-braked trailers manufactured on or after January 1, 1975.* Buses, trucks, and truck-tractors manufactured on or after March 1, 1975, and air-braked trailers manufactured on or after January 1, 1975, must meet the reservoir requirements of FMVSS No. 121, S5.1.2, in effect on the date of manufacture.

(b) *Reservoir capacity for air-braked vehicles not subject to FMVSS No. 121 on the date of manufacture and all vacuum braked vehicles.* Each motor vehicle using air or vacuum braking must have either reserve capacity, or a reservoir, that would enable the driver to make a full service brake application with the engine stopped without depleting the air pressure or vacuum below 70 percent of that indicated by the air or vacuum gauge immediately before the brake application is made. For the purposes of this paragraph, a full service brake application means depressing the brake pedal or treadle valve to the limit of its travel.

(c) *Safeguarding of air and vacuum.* Each service reservoir system on a motor vehicle shall be protected against a loss of air pressure or vacuum due to a failure or leakage in the system between the service reservoir and the source of air pressure or vacuum, by check valves or equivalent devices whose proper functioning can be

checked without disconnecting any air or vacuum line, or fitting.

(d) *Drain valves for air braked vehicles.* Each reservoir must have a condensate drain valve that can be manually operated. Automatic condensate drain valves may be used provided (1) they may be operated manually, or (2) a manual means of draining the reservoir is retained.

[70 FR 48052, Aug. 15, 2005]

§ 393.51 Warning signals, air pressure and vacuum gauges.

(a) *General Rule.* Every bus, truck and truck tractor, except as provided in paragraph (f), must be equipped with a signal that provides a warning to the driver when a failure occurs in the vehicle's service brake system. The warning signal must meet the applicable requirements of paragraphs (b), (c), (d) or (e) of this section.

(b) *Hydraulic brakes.* Vehicles manufactured on or after September 1, 1975, must meet the brake system indicator lamp requirements of FMVSS No. 571.105 (S5.3) applicable to the vehicle on the date of manufacture. Vehicles manufactured on or after July 1, 1973 but before September 1, 1975, or to which FMVSS No. 571.105 was not applicable on the date of manufacture, must have a warning signal which operates before or upon application of the brakes in the event of a hydraulic-type complete failure of a partial system. The signal must be either visible within the driver's forward field of view or audible. The signal must be continuous. (NOTE: FMVSS No. 105 was applicable to trucks and buses from September 1, 1975 to October 12, 1976, and from September 1, 1983, to the present. FMVSS No. 105 was not applicable to trucks and buses manufactured between October 12, 1976, and September 1, 1983. Motor carriers have the option of equipping those vehicles to meet either the indicator lamp requirements of FMVSS No. 105, or the indicator lamp requirements specified in this paragraph for vehicles which were not subject to FMVSS No. 105 on the date of manufacture.)

(c) *Air brakes.* A commercial motor vehicle (regardless of the date of manufacture) equipped with service brakes activated by compressed air (air

brakes) or a commercial motor vehicle towing a vehicle with service brakes activated by compressed air (air brakes) must be equipped with a pressure gauge and a warning signal. Trucks, truck tractors, and buses manufactured on or after March 1, 1975, must, at a minimum, have a pressure gauge and a warning signal which meets the requirements of FMVSS No. 121 (S5.1.4 for the pressure gauge and S5.1.5 for the warning signal) applicable to the vehicle on the date of manufacture of the vehicle. Power units to which FMVSS No. 571.121 was not applicable on the date of manufacture of the vehicle must be equipped with—

(1) A pressure gauge, visible to a person seated in the normal driving position, which indicates the air pressure (in kilopascals (kPa) or pounds per square inch (psi)) available for braking; and

(2) A warning signal that is audible or visible to a person in the normal driving position and provides a continuous warning to the driver whenever the air pressure in the service reservoir system is at 379 kPa (55 psi) and below, or one-half of the compressor governor cutout pressure, whichever is less.

(d) *Vacuum brakes.* A commercial motor vehicle (regardless of the date it was manufactured) having service brakes activated by vacuum or a vehicle towing a vehicle having service brakes activated by vacuum must be equipped with—

(1) A vacuum gauge, visible to a person seated in the normal driving position, which indicates the vacuum (in millimeters or inches of mercury) available for braking; and

(2) A warning signal that is audible or visible to a person in the normal driving position and provides a continuous warning to the driver whenever the vacuum in the vehicle's supply reservoir is less than 203 mm (8 inches) of mercury.

(e) *Hydraulic brakes applied or assisted by air or vacuum.* Each vehicle equipped with hydraulically activated service brakes which are applied or assisted by compressed air or vacuum, and to which FMVSS No. 105 was not applicable on the date of manufacture, must be equipped with a warning signal that

conforms to paragraph (b) of this section for the hydraulic portion of the system; paragraph (c) of this section for the air assist/air applied portion; or paragraph (d) of this section for the vacuum assist/vacuum applied portion. This paragraph shall not be construed as requiring air pressure gauges or vacuum gauges, only warning signals.

(f) *Exceptions.* The rules in paragraphs (c), (d) and (e) of this section do not apply to property carrying commercial motor vehicles which have less than three axles and (1) were manufactured before July 1, 1973, and (2) have a manufacturer's gross vehicle weight rating less than 4,536 kg (10,001 pounds).

[70 FR 48052, Aug. 15, 2005]

§ 393.52 Brake performance.

(a) Upon application of its service brakes, a motor vehicle or combination of motor vehicles must under any condition of loading in which it is found on a public highway, be capable of—

(1) Developing a braking force at least equal to the percentage of its gross weight specified in the table in paragraph (d) of this section;

(2) Decelerating to a stop from 20 miles per hour at not less than the rate specified in the table in paragraph (d) of this section; and

(3) Stopping from 20 miles per hour in a distance, measured from the point at which movement of the service brake pedal or control begins, that is not greater than the distance specified in the table in paragraph (d) of this section; or, for motor vehicles or motor vehicle combinations that have a

GVWR or GVW greater than 4,536 kg (10,000 pounds),

(4) Developing only the braking force specified in paragraph (a)(1) of this section and the stopping distance specified in paragraph (a)(3) of this section, if braking force is measured by a performance-based brake tester which meets the requirements of functional specifications for performance-based brake testers for commercial motor vehicles, where braking force is the sum of the braking force at each wheel of the vehicle or vehicle combination as a percentage of gross vehicle or combination weight.

(b) Upon application of its emergency brake system and with no other brake system applied, a motor vehicle or combination of motor vehicles must, under any condition of loading in which it is found on a public highway, be capable of stopping from 20 miles per hour in a distance, measured from the point at which movement of the emergency brake control begins, that is not greater than the distance specified in the table in paragraph (d) of this section.

(c) Conformity to the stopping-distance requirements of paragraphs (a) and (b) of this section shall be determined under the following conditions:

(1) Any test must be made with the vehicle on a hard surface that is substantially level, dry, smooth, and free of loose material.

(2) The vehicle must be in the center of a 12-foot-wide lane when the test begins and must not deviate from that lane during the test.

(d) Vehicle brake performance table:

Type of motor vehicle	Service brake systems			Emergency brake systems
	Braking force as a percentage of gross vehicle or combination weight	Deceleration in feet per second per second	Application and braking distance in feet from initial speed at 20 mph	Application and braking distance in feet from initial speed at 20 mph
A. Passenger-carrying vehicles:				
(1) Vehicles with a seating capacity of 10 persons or less, including driver, and built on a passenger car chassis	65.2	21	20	54
(2) Vehicles with a seating capacity of more than 10 persons, including driver, and built on a passenger car chassis; vehicles built on a truck or bus chassis and having a manufacturer's GVWR of 10,000 pounds or less	52.8	17	25	66
(3) All other passenger-carrying vehicles	43.5	14	35	85
B. Property-carrying vehicles:				
(1) Single unit vehicles having a manufacturer's GVWR of 10,000 pounds or less	52.8	17	25	66
(2) Single unit vehicles having a manufacturer's GVWR of more than 10,000 pounds, except truck tractors. Combinations of a 2-axle towing vehicle and trailer having a GVWR of 3,000 pounds or less. All combinations of 2 or less vehicles in drive-away or tow-away operation	43.5	14	35	85
(3) All other property-carrying vehicles and combinations of property-carrying vehicles	43.5	14	40	90

Notes: (a) There is a definite mathematical relationship between the figures in columns 2 and 3. If the decelerations set forth in column 3 are divided by 32.2 feet per-second per-second, the figures in column 2 will be obtained. (For example, 21 divided by 32.2 equals 65.2 percent.) Column 2 is included in the tabulation because certain brake testing devices utilize this factor.

(b) The decelerations specified in column 3 are an indication of the effectiveness of the basic brakes, and as measured in practical brake testing are the maximum decelerations attained at some time during the stop. These decelerations as measured in brake tests cannot be used to compute the values in column 4 because the deceleration is not sustained at the same rate over the entire period of the stop. The deceleration increases from zero to a maximum during a period of brake system application and brake-force buildup. Also, other factors may cause the deceleration to decrease after reaching a maximum. The added distance that results because maximum deceleration is not sustained is included in the figures in column 4 but is not indicated by the usual brake-testing devices for checking deceleration.

(c) The distances in column 4 and the decelerations in column 3 are not directly related. "Brake-system application and braking distance in feet" (column 4) is a definite measure of the overall effectiveness of the braking system, being the distance traveled between the point at which the driver starts to move the braking controls and the point at which the vehicle comes to rest. It includes distance traveled while the brakes are being applied and distance traveled while the brakes are retarding the vehicle.

(d) The distance traveled during the period of brake-system application and brake-force buildup varies with vehicle type, being negligible for many passenger cars and greatest for combinations of commercial vehicles. This fact accounts for the variation from 20 to 40 feet in the values in column 4 for the various classes of vehicles.

(e) The terms "GVWR" and "GVW" refer to the manufacturer's gross vehicle weight rating and the actual gross vehicle weight, respectively.

[36 FR 20298, Oct. 20, 1971, as amended at 37 FR 5251, Mar. 11, 1972; 37 FR 11336, June 7, 1972; 68 FR 51777, Aug. 9, 2002]

§ 393.53 Automatic brake adjusters and brake adjustment indicators.

(a) *Automatic brake adjusters (hydraulic brake systems)*. Each commercial motor vehicle manufactured on or after October 20, 1993, and equipped with a hydraulic brake system, shall meet the automatic brake adjustment system requirements of Federal Motor Vehicle Safety Standard No. 105 (49 CFR 571.105, S5.1) applicable to the vehicle at the time it was manufactured.

(b) *Automatic brake adjusters (air brake systems)*. Each commercial motor vehicle manufactured on or after October 20, 1994, and equipped with an air brake system shall meet the automatic brake adjustment system requirements of Federal Motor Vehicle Safety Standard No. 121 (49 CFR 571.121, S5.1.8) applicable to the vehicle at the time it was manufactured.

(c) *Brake adjustment indicator (air brake systems)*. On each commercial motor vehicle manufactured on or after October 20, 1994, and equipped with an air brake system which contains an external automatic adjustment mechanism and an exposed pushrod, the condition of service brake under-adjustment shall be displayed by a brake adjustment indicator conforming to the requirements of Federal Motor Vehicle Safety Standard No. 121 (49 CFR 571.121, S5.1.8) applicable to the vehicle at the time it was manufactured.

[60 FR 46245, Sept. 6, 1995]

§ 393.55 Antilock brake systems.

(a) *Hydraulic brake systems*. Each truck and bus manufactured on or after March 1, 1999 (except trucks and buses engaged in driveaway-towaway operations), and equipped with a hydraulic brake system, shall be equipped with an antilock brake system that meets the requirements of Federal Motor Vehicle Safety Standard (FMVSS) No. 105 (49 CFR 571.105, S5.5).

(b) *ABS malfunction indicators for hydraulic braked vehicles*. Each hydraulic braked vehicle subject to the requirements of paragraph (a) of this section shall be equipped with an ABS malfunction indicator system that meets the requirements of FMVSS No. 105 (49 CFR 571.105, S5.3).

(c) *Air brake systems*. (1) Each truck tractor manufactured on or after March 1, 1997 (except truck tractors engaged in driveaway-towaway operations), shall be equipped with an antilock brake system that meets the requirements of FMVSS No. 121 (49 CFR 571.121, S5.1.6.1(b)).

(2) Each air braked commercial motor vehicle other than a truck tractor, manufactured on or after March 1, 1998 (except commercial motor vehicles engaged in driveaway-towaway operations), shall be equipped with an antilock brake system that meets the requirements of FMVSS No. 121 (49 CFR 571.121, S5.1.6.1(a) for trucks and buses, S5.2.3 for semitrailers, converter dollies and full trailers).

(d) *ABS malfunction circuits and signals for air braked vehicles*. (1) Each truck tractor manufactured on or after March 1, 1997, and each single-unit air braked vehicle manufactured on or after March 1, 1998, subject to the requirements of paragraph (c) of this section, shall be equipped with an electrical circuit that is capable of signaling a malfunction that affects the generation or transmission of response or control signals to the vehicle's antilock brake system (49 CFR 571.121, S5.1.6.2(a)).

(2) Each truck tractor manufactured on or after March 1, 2001, and each single-unit vehicle that is equipped to tow another air-braked vehicle, subject to the requirements of paragraph (c) of this section, shall be equipped with an electrical circuit that is capable of transmitting a malfunction signal from the antilock brake system(s) on the towed vehicle(s) to the trailer ABS malfunction lamp in the cab of the towing vehicle, and shall have the means for connection of the electrical circuit to the towed vehicle. The ABS malfunction circuit and signal shall meet the requirements of FMVSS No. 121 (49 CFR 571.121, S5.1.6.2(b)).

(3) Each semitrailer, trailer converter dolly, and full trailer manufactured on or after March 1, 2001, and subject to the requirements of paragraph (c)(2) of this section, shall be equipped with an electrical circuit that is capable of signaling a malfunction in the trailer's antilock brake system,

and shall have the means for connection of this ABS malfunction circuit to the towing vehicle. In addition, each trailer manufactured on or after March 1, 2001, subject to the requirements of paragraph (c)(2) of this section, that is designed to tow another air-brake equipped trailer shall be capable of transmitting a malfunction signal from the antilock brake system(s) of the trailer(s) it tows to the vehicle in front of the trailer. The ABS malfunction circuit and signal shall meet the requirements of FMVSS No. 121 (49 CFR 571.121, S5.2.3.2).

(e) *Exterior ABS malfunction indicator lamps for trailers.* Each trailer (including a trailer converter dolly) manufactured on or after March 1, 1998 and before March 1, 2009, and subject to the requirements of paragraph (c)(2) of this section, shall be equipped with an ABS malfunction indicator lamp which meets the requirements of FMVSS No. 121 (49 CFR 571.121, S5.2.3.3).

[63 FR 24465, May 4, 1998]

Subpart D—Glazing and Window Construction

§ 393.60 Glazing in specified openings.

(a) *Glazing material.* Glazing material used in windshields, windows, and doors on a motor vehicle manufactured on or after December 25, 1968, shall at a minimum meet the requirements of Federal Motor Vehicle Safety Standard (FMVSS) No. 205 in effect on the date of manufacture of the motor vehicle. The glazing material shall be marked in accordance with FMVSS No. 205 (49 CFR 571.205, S6).

(b) *Windshields required.* Each bus, truck and truck-tractor shall be equipped with a windshield. Each windshield or portion of a multi-piece windshield shall be mounted using the full periphery of the glazing material.

(c) *Windshield condition.* With the exception of the conditions listed in paragraphs (c)(1), (c)(2), and (c)(3) of this section, each windshield shall be free of discoloration or damage in the area extending upward from the height of the top of the steering wheel (excluding a 51 mm (2 inch) border at the top of the windshield) and extending from a 25 mm (1 inch) border at each side of the

windshield or windshield panel. *Exceptions:*

(1) Coloring or tinting which meets the requirements of paragraph (d) of this section;

(2) Any crack that is not intersected by any other cracks;

(3) Any damaged area which can be covered by a disc 19 mm ($\frac{3}{4}$ inch) in diameter if not closer than 76 mm (3 inches) to any other similarly damaged area.

(d) *Coloring or tinting of windshields and windows.* Coloring or tinting of windshields and the windows to the immediate right and left of the driver is allowed, provided the parallel luminous transmittance through the colored or tinted glazing is not less than 70 percent of the light at normal incidence in those portions of the windshield or windows which are marked as having a parallel luminous transmittance of not less than 70 percent. The transmittance restriction does not apply to other windows on the commercial motor vehicle.

(e) *Prohibition on obstructions to the driver's field of view—*(1) *Devices mounted at the top of the windshield.* Antennas, transponders, and similar devices must not be mounted more than 152 mm (6 inches) below the upper edge of the windshield. These devices must be located outside the area swept by the windshield wipers, and outside the driver's sight lines to the road and highway signs and signals.

(2) *Decals and stickers mounted on the windshield.* Commercial Vehicle Safety Alliance (CVSA) inspection decals, and stickers and/or decals required under Federal or State laws may be placed at the bottom or sides of the windshield provided such decals or stickers do not extend more than 115 mm ($4\frac{1}{2}$ inches) from the bottom of the windshield and are located outside the area swept by the windshield wipers, and outside the driver's sight lines to the road and highway signs or signals.

[63 FR 1387, Jan. 9, 1998]

§ 393.61 Truck and truck tractor window construction.

Each truck and truck tractor (except trucks engaged in armored car service) shall have at least one window on each side of the driver's compartment. Each window must have a minimum area of

1,290 cm² (200 in²) formed by a rectangle 33 cm by 45 cm (13 inches by 17¾ inches). The maximum radius of the corner arcs shall not exceed 152 mm (6 inches). The long axis of the rectangle shall not make an angle of more than 45 degrees with the surface on which the unladen vehicle stands. If the cab is designed with a folding door or doors or with clear openings where doors or windows are customarily located, no windows shall be required in those locations.

[70 FR 48052, Aug. 15, 2005]

§ 393.62 Emergency exits for buses.

(a) *Buses manufactured on or after September 1, 1994.* Each bus with a GVWR of 4,536 kg (10,000 pounds) or less must meet the emergency exit requirements of FMVSS No. 217 (S5.2.2.3) in effect on the date of manufacture. Each bus with a GVWR of more than 4,536 kg (10,000 pounds) must have emergency exits which meet the applicable emergency exit requirements of FMVSS No. 217 (S5.2.2 or S5.2.3) in effect on the date of manufacture.

(b) Buses manufactured on or after September 1, 1973, but before September 1, 1994. (1) Each bus (including a school bus used in interstate commerce for non-school bus operations) with a GVWR of more than 4,536 kg (10,000 lbs) must meet the requirements of FMVSS No. 217, S5.2.2 in effect on the date of manufacture.

(2) Each bus (including a school bus used in interstate commerce for non-school bus operations) with a GVWR of 4,536 kg (10,000 lbs) or less must meet the requirements of FMVSS No. 217, S5.2.2.3 in effect on the date of manufacture.

(c) *Buses manufactured before September 1, 1973.* For each seated passenger space provided, inclusive of the driver there shall be at least 432 cm² (67 square inches) of glazing if such glazing is not contained in a push-out window; or, at least 432 cm² (67 square inches) of free opening resulting from opening of a push-out type window. No area shall be included in this minimum prescribed area unless it will provide an unobstructed opening of at least 1,290 cm² (200 in²) formed by a rectangle 33 cm by 45 cm (13 inches by 17¾ inches). The maximum radius of the corner arcs

shall not exceed 152 mm (6 inches). The long axis of the rectangle shall not make an angle of more than 45 degrees with the surface on which the unladen vehicle stands. The area shall be measured either by removal of the glazing if not of the push-out type, or of the movable sash if of the push-out type. The exit must comply with paragraph (d) of this section. Each side of the bus must have at least 40 percent of emergency exit space required by this paragraph.

(d) *Laminated safety glass/push-out window requirements for buses manufactured before September 1, 1973.* Emergency exit space used to satisfy the requirements of paragraph (c) of this section must have laminated safety glass or push-out windows designed and maintained to yield outward to provide a free opening.

(1) *Safety glass.* Laminated safety glass must meet Test No. 25, Egress, of American National Standard for Safety Glazing Materials for Glazing Motor Vehicles and Motor Vehicle Equipment Operating on Land Highways—Safety Standards ANSI/SAE Z26.1/96, August 1997. (See § 393.7 (b) for information on incorporation by reference and availability of this document.)

(2) *Push-out windows.* Each push-out window shall be releasable by operating no more than two mechanisms and allow manual release of the exit by a single occupant. For mechanisms which require rotary or straight (parallel to the undisturbed exit surface) motions to operate the exit, no more than 89 Newtons (20 pounds) of force shall be required to release the exit. For exits which require a straight motion perpendicular to the undisturbed exit surface, no more than 267 Newtons (60 pounds) shall be required to release the exit.

(e) *Emergency exit identification.* Each bus and each school bus used in interstate commerce for non-school bus operations, manufactured on or after September 1, 1973, shall meet the applicable emergency exit identification or marking requirements of FMVSS No. 217, S5.5, in effect on the date of manufacture. The emergency exits and doors on all buses (including school buses used in interstate commerce for non-school bus operations) must be marked "Emergency Exit" or "Emergency

Door” followed by concise operating instructions describing each motion necessary to unlatch or open the exit located within 152 mm (6 inches) of the release mechanism.

(f) *Exception for the transportation of prisoners.* The requirements of this section do not apply to buses used exclusively for the transportation of prisoners.

[70 FR 48052, Aug. 15, 2005]

§ 393.63 [Reserved]

Subpart E—Fuel Systems

AUTHORITY: Sec. 204, Interstate Commerce Act, as amended, 49 U.S.C. 304; sec. 6, Department of Transportation Act, 49 U.S.C. 1655; delegation of authority at 49 CFR 1.48 and 389.4.

§ 393.65 All fuel systems.

(a) *Application of the rules in this section.* The rules in this section apply to systems for containing and supplying fuel for the operation of motor vehicles or for the operation of auxiliary equipment installed on, or used in connection with, motor vehicles.

(b) *Location.* Each fuel system must be located on the motor vehicle so that—

(1) No part of the system extends beyond the widest part of the vehicle;

(2) No part of a fuel tank is forward of the front axle of a power unit;

(3) Fuel spilled vertically from a fuel tank while it is being filled will not contact any part of the exhaust or electrical systems of the vehicle, except the fuel level indicator assembly;

(4) Fill pipe openings are located outside the vehicle’s passenger compartment and its cargo compartment;

(5) A fuel line does not extend between a towed vehicle and the vehicle that is towing it while the combination of vehicles is in motion; and

(6) No part of the fuel system of a bus manufactured on or after January 1, 1973, is located within or above the passenger compartment.

(c) *Fuel tank installation.* Each fuel tank must be securely attached to the motor vehicle in a workmanlike manner.

(d) *Gravity or syphon feed prohibited.* A fuel system must not supply fuel by

gravity or syphon feed directly to the carburetor or injector.

(e) *Selection control valve location.* If a fuel system includes a selection control valve which is operable by the driver to regulate the flow of fuel from two or more fuel tanks, the valve must be installed so that either—

(1) The driver may operate it while watching the roadway and without leaving his/her driving position; or

(2) The driver must stop the vehicle and leave his/her seat in order to operate the valve.

(f) *Fuel lines.* A fuel line which is not completely enclosed in a protective housing must not extend more than 2 inches below the fuel tank or its sump. Diesel fuel crossover, return, and withdrawal lines which extend below the bottom of the tank or sump must be protected against damage from impact. Every fuel line must be—

(1) Long enough and flexible enough to accommodate normal movements of the parts to which it is attached without incurring damage; and

(2) Secured against chafing, kinking, or other causes of mechanical damage.

(g) *Excess flow valve.* When pressure devices are used to force fuel from a fuel tank, a device which prevents the flow of fuel from the fuel tank if the fuel feed line is broken must be installed in the fuel system.

[36 FR 15445, Aug. 14, 1971, as amended at 37 FR 4341, Mar. 2, 1972; 37 FR 28752, Dec. 29, 1972]

§ 393.67 Liquid fuel tanks.

(a) *Application of the rules in this section.* The rules in this section apply to tanks containing or supplying fuel for the operation of commercial motor vehicles or for the operation of auxiliary equipment installed on, or used in connection with commercial motor vehicles.

(1) A liquid fuel tank manufactured on or after January 1, 1973, and a side-mounted gasoline tank must conform to all rules in this section.

(2) A diesel fuel tank manufactured before January 1, 1973, and mounted on a bus must conform to the rules in paragraphs (c)(7)(iii) and (d)(2) of this section.

(3) A diesel fuel tank manufactured before January 1, 1973, and mounted on

a vehicle other than a bus must conform to the rules in paragraph (c)(7)(iii) of this section.

(4) A gasoline tank, other than a side-mounted gasoline tank, manufactured before January 1, 1973, and mounted on a bus must conform to the rules in paragraphs (c) (1) through (10) and (d)(2) of this section.

(5) A gasoline tank, other than a side-mounted gasoline tank, manufactured before January 1, 1973, and mounted on a vehicle other than a bus must conform to the rules in paragraphs (c) (1) through (10), inclusive, of this section.

(6) Private motor carrier of passengers. Motor carriers engaged in the private transportation of passengers may continue to operate a commercial motor vehicle which was not subject to this section or 49 CFR 571.301 at the time of its manufacture, provided the fuel tank of such vehicle is maintained to the original manufacturer's standards.

(7) Motor vehicles that meet the fuel system integrity requirements of 49 CFR 571.301 are exempt from the requirements of this subpart, as they apply to the vehicle's fueling system.

(b) *Definitions.* As used in this section—

(1) The term *liquid fuel tank* means a fuel tank designed to contain a fuel that is liquid at normal atmospheric pressures and temperatures.

(2) A *side-mounted* fuel tank is a liquid fuel tank which—

(i) If mounted on a truck tractor, extends outboard of the vehicle frame and outside of the plan view outline of the cab; or

(ii) If mounted on a truck, extends outboard of a line parallel to the longitudinal centerline of the truck and tangent to the outboard side of a front tire in a straight ahead position. In determining whether a fuel tank on a truck or truck tractor is side-mounted, the fill pipe is not considered a part of the tank.

(c) *Construction of liquid fuel tanks—*

(1) *Joints.* Joints of a fuel tank body must be closed by arc-, gas-, seam-, or spot-welding, by brazing, by silver soldering, or by techniques which provide heat resistance and mechanical securement at least equal to those specifi-

cally named. Joints must not be closed solely by crimping or by soldering with a lead-based or other soft solder.

(2) *Fittings.* The fuel tank body must have flanges or spuds suitable for the installation of all fittings.

(3) *Threads.* The threads of all fittings must be Dryseal American Standard Taper Pipe Thread or Dryseal SAE Short Taper Pipe Thread, specified in Society of Automotive Engineers Standard J476, as contained in the 1971 edition of the "SAE Handbook," except that straight (nontapered) threads may be used on fittings having integral flanges and using gaskets for sealing. At least four full threads must be in engagement in each fitting.

(4) *Drains and bottom fittings.* (i) Drains or other bottom fittings must not extend more than three-fourths of an inch below the lowest part of the fuel tank or sump.

(ii) Drains or other bottom fittings must be protected against damage from impact.

(iii) If a fuel tank has drains the drain fittings must permit substantially complete drainage of the tank.

(iv) Drains or other bottom fittings must be installed in a flange or spud designed to accommodate it.

(5) *Fuel withdrawal fittings.* Except for diesel fuel tanks, the fittings through which fuel is withdrawn from a fuel tank must be located above the normal level of fuel in the tank when the tank is full.

(6) [Reserved]

(7) *Fill pipe.* (i) Each fill pipe must be designed and constructed to minimize the risk of fuel spillage during fueling operations and when the vehicle is involved in a crash.

(ii) For diesel-fueled vehicles, the fill pipe and vents of a fuel tank having a capacity of more than 94.75 L (25 gallons) of fuel must permit filling the tank with fuel at a rate of at least 75.8 L/m (20 gallons per minute) without fuel spillage.

(iii) For gasoline- and methanol-fueled vehicles with a GVWR of 3,744 kg (8,500 pounds) or less, the vehicle must permit filling the tank with fuel dispensed at the applicable fill rate required by the regulations of the Environmental Protection Agency under 40 CFR 80.22.

(iv) For gasoline- and methanol-fueled vehicles with a GVWR of 14,000 pounds (6,400 kg) or less, the vehicle must comply with the applicable fuel-spitback prevention and onboard refueling vapor recovery regulations of the Environmental Protection Agency under 40 CFR part 86.

(v) Each fill pipe must be fitted with a cap that can be fastened securely over the opening in the fill pipe. Screw threads or a bayonet-type point are methods of conforming to the requirements of paragraph (c) of this section.

(8) *Safety venting system.* A liquid fuel tank with a capacity of more than 25 gallons of fuel must have a venting system which, in the event the tank is subjected to fire, will prevent internal tank pressure from rupturing the tank's body, seams, or bottom opening (if any).

(9) *Pressure resistance.* The body and fittings of a liquid fuel tank with a capacity of more than 25 gallons of fuel must be capable of withstanding an internal hydrostatic pressure equal to 150 percent of the maximum internal pressure reached in the tank during the safety venting systems test specified in paragraph (d)(1) of this section.

(10) *Air vent.* Each fuel tank must be equipped with a nonspill air vent (such as a ball check). The air vent may be combined with the fill-pipe cap or safety vent, or it may be a separate unit installed on the fuel tank.

(11) *Markings.* If the body of a fuel tank is readily visible when the tank is installed on the vehicle, the tank must be plainly marked with its liquid capacity. The tank must also be plainly marked with a warning against filling it to more than 95 percent of its liquid capacity.

(12) *Overfill restriction.* A liquid fuel tank manufactured on or after January 1, 1973, must be designed and constructed so that—

(i) The tank cannot be filled, in a normal filling operation, with a quantity of fuel that exceeds 95 percent of the tank's liquid capacity; and

(ii) When the tank is filled, normal expansion of the fuel will not cause fuel spillage.

(d) *Liquid fuel tank tests.* Each liquid fuel tank must be capable of passing the tests specified in paragraphs (d)(1)

and (2) of this section. The specified tests are a measure of performance only. Alternative procedures which assure that equipment meets the required performance standards may be used. .

(1) *Safety venting system test—(i) Procedure.* Fill the tank three-fourths full with fuel, seal the fuel feed outlet, and invert the tank. When the fuel temperature is between 50 °F. and 80 °F., apply an enveloping flame to the tank so that the temperature of the fuel rises at a rate of not less than 6 °F. and not more than 8 °F. per minute.

(ii) *Required performance.* The safety venting system required by paragraph (c)(8) of this section must activate before the internal pressure in the tank exceeds 50 pounds per square inch, gauge, and the internal pressure must not thereafter exceed the pressure at which the system activated by more than five pounds per square inch despite any further increase in the temperature of the fuel.

(2) *Leakage test—(i) Procedure.* Fill the tank to capacity with fuel having a temperature between 50 °F. and 80 °F. With the fill-pipe cap installed, turn the tank through an angle of 150° in any direction about any axis from its normal position.

(ii) *Required performance.* Neither the tank nor any fitting may leak more than a total of one ounce by weight of fuel per minute in any position the tank assumes during the test.

(e) *Side-mounted liquid fuel tank tests.* Each side-mounted liquid fuel tank must be capable of passing the tests specified in paragraphs (e)(1) and (2) of this section and the test specified in paragraphs (d)(1) and (2) of this section. The specified tests are a measure of performance only. Alternative procedures which assure that equipment meets the required performance criteria may be used.

(1) *Drop test—(i) Procedure.* Fill the tank with a quantity of water having a weight equal to the weight of the maximum fuel load of the tank and drop the tank 30 feet onto an unyielding surface so that it lands squarely on one corner.

(ii) *Required performance.* Neither the tank nor any fitting may leak more

than a total of 1 ounce by weight of water per minute.

(2) *Fill-pipe test*—(i) *Procedure.* Fill the tank with a quantity of water having a weight equal to the weight of the maximum fuel load of the tank and drop the tank 10 feet onto an unyielding surface so that it lands squarely on its fill-pipe.

(ii) *Required performance.* Neither the tank nor any fitting may leak more than a total of 1 ounce by weight of water per minute.

(f) *Certification and markings.* Each liquid fuel tank shall be legibly and permanently marked by the manufacturer with the following minimum information:

(1) The month and year of manufacture,

(2) The manufacturer's name on tanks manufactured on and after July 1, 1989, and means of identifying the facility at which the tank was manufactured, and

(3) A certificate that it conforms to the rules in this section applicable to the tank. The certificate must be in the form set forth in either of the following:

(i) If a tank conforms to all rules in this section pertaining to side-mounted fuel tanks: "Meets all FMCSA side-mounted tank requirements."

(ii) If a tank conforms to all rules in this section pertaining to tanks which are not side-mounted fuel tanks: "Meets all FMCSA requirements for non-side-mounted fuel tanks."

(iii) The form of certificate specified in paragraph (f)(3) (i) or (ii) of this section may be used on a liquid fuel tank manufactured before July 11, 1973, but it is not mandatory for liquid fuel tanks manufactured before March 7, 1989. The form of certification manufactured on or before March 7, 1989, must meet the requirements in effect at the time of manufacture.

(4) *Exception.* The following previously exempted vehicles are *not* required to carry the certification and marking specified in paragraphs (f)(1) through (3) of this section:

(i) Ford vehicles with GVWR over 10,000 pounds identified as follows: The vehicle identification numbers (VINs) contain A, K, L, M, N, W, or X in the fourth position.

(ii) GM G-Vans (Chevrolet Express and GMC Savanna) and full-sized C/K trucks (Chevrolet Silverado and GMC Sierra) with GVWR over 10,000 pounds identified as follows: The VINs contain either a "J" or a "K" in the fourth position. In addition, the seventh position of the VINs on the G-Van will contain a "1."

[36 FR 15445, Aug. 14, 1971, as amended at 37 FR 4341, Mar. 2, 1972; 37 FR 28753, Dec. 29, 1972; 45 FR 46424, July 10, 1980; 53 FR 49400, Dec. 7, 1988; 59 FR 8753, Feb. 23, 1994; 69 FR 31305, June 3, 2004; 70 FR 48053, Aug. 15, 2005]

§ 393.68 Compressed natural gas fuel containers.

(a) *Applicability.* The rules in this section apply to compressed natural gas (CNG) fuel containers used for supplying fuel for the operation of commercial motor vehicles or for the operation of auxiliary equipment installed on, or used in connection with commercial motor vehicles.

(b) *CNG containers manufactured on or after March 26, 1995.* Any motor vehicle manufactured on or after March 26, 1995, and equipped with a CNG fuel tank must meet the CNG container requirements of FMVSS No. 304 (49 CFR 571.304) in effect at the time of manufacture of the vehicle.

(c) *Labeling.* Each CNG fuel container shall be permanently labeled in accordance with the requirements of FMVSS No. 304, S7.4.

[70 FR 48053, Aug. 15, 2005]

§ 393.69 Liquefied petroleum gas systems.

(a) A fuel system that uses liquefied petroleum gas as a fuel for the operation of a motor vehicle or for the operation of auxiliary equipment installed on, or used in connection with, a motor vehicle must conform to the "Standards for the Storage and Handling of Liquefied Petroleum Gases" of the National Fire Protection Association, Battery March Park, Quincy, MA 02269, as follows:

(1) A fuel system installed before December 31, 1962, must conform to the 1951 edition of the Standards.

(2) A fuel system installed on or after December 31, 1962, and before January 1, 1973, must conform to Division IV of the June 1959 edition of the Standards.

(3) A fuel system installed on or after January 1, 1973, and providing fuel for propulsion of the motor vehicle must conform to Division IV of the 1969 edition of the Standards.

(4) A fuel system installed on or after January 1, 1973, and providing fuel for the operation of auxiliary equipment must conform to Division VII of the 1969 edition of the Standards.

(b) When the rules in this section require a fuel system to conform to a specific edition of the Standards, the fuel system may conform to the applicable provisions in a later edition of the Standards specified in this section.

(c) The tank of a fuel system must be marked to indicate that the system conforms to the Standards.

[36 FR 15445, Aug. 14, 1971, as amended at 37 FR 4342, Mar. 2, 1972; 41 FR 53031, Dec. 3, 1976; 53 FR 49400, Dec. 7, 1988]

Subpart F—Coupling Devices and Towing Methods

§ 393.70 Coupling devices and towing methods, except for driveaway-towaway operations.

(a) *Tracking.* When two or more vehicles are operated in combination, the coupling devices connecting the vehicles shall be designed, constructed, and installed, and the vehicles shall be designed and constructed, so that when the combination is operated in a straight line on a level, smooth, paved surface, the path of the towed vehicle will not deviate more than 3 inches to either side of the path of the vehicle that tows it.

(b) *Fifth wheel assemblies*—(1) *Mounting*—(i) *Lower half.* The lower half of a fifth wheel mounted on a truck tractor or converter dolly must be secured to the frame of that vehicle with properly designed brackets, mounting plates or angles and properly tightened bolts of adequate size and grade, or devices that provide equivalent security. The installation shall not cause cracking, warping, or deformation of the frame. The installation must include a device for positively preventing the lower half of the fifth wheel from shifting on the frame to which it is attached.

(ii) *Upper half.* The upper half of a fifth wheel must be fastened to the motor vehicle with at least the same

security required for the installation of the lower half on a truck tractor or converter dolly.

(2) *Locking.* Every fifth wheel assembly must have a locking mechanism. The locking mechanism, and any adapter used in conjunction with it, must prevent separation of the upper and lower halves of the fifth wheel assembly unless a positive manual release is activated. The release may be located so that the driver can operate it from the cab. If a motor vehicle has a fifth wheel designed and constructed to be readily separable, the fifth wheel locking devices shall apply automatically on coupling.

(3) *Location.* The lower half of a fifth wheel shall be located so that, regardless of the condition of loading, the relationship between the kingpin and the rear axle or axles of the towing motor vehicle will properly distribute the gross weight of both the towed and towing vehicles on the axles of those vehicles, will not unduly interfere with the steering, braking, and other maneuvering of the towing vehicle, and will not otherwise contribute to unsafe operation of the vehicles comprising the combination. The upper half of a fifth wheel shall be located so that the weight of the vehicles is properly distributed on their axles and the combination of vehicles will operate safely during normal operation.

(c) *Towing of full trailers.* A full trailer must be equipped with a tow-bar and a means of attaching the tow-bar to the towing and towed vehicles. The tow-bar and the means of attaching it must—

(1) Be structurally adequate for the weight being drawn;

(2) Be properly and securely mounted;

(3) Provide for adequate articulation at the connection without excessive slack at that location; and

(4) Be provided with a locking device that prevents accidental separation of the towed and towing vehicles. The mounting of the trailer hitch (pintle hook or equivalent mechanism) on the towing vehicle must include reinforcement or bracing of the frame sufficient to produce strength and rigidity of the frame to prevent its undue distortion.

(d) *Safety devices in case of tow-bar failure or disconnection.* Every full trailer and every converter dolly used to convert a semitrailer to a full trailer must be coupled to the frame, or an extension of the frame, of the motor vehicle which tows it with one or more safety devices to prevent the towed vehicle from breaking loose in the event the tow-bar fails or becomes disconnected. The safety device must meet the following requirements:

(1) The safety device must not be attached to the pintle hook or any other device on the towing vehicle to which the tow-bar is attached. However, if the pintle hook or other device was manufactured prior to July 1, 1973, the safety device may be attached to the towing vehicle at a place on a pintle hook forging or casting if that place is independent of the pintle hook.

(2) The safety device must have no more slack than is necessary to permit the vehicles to be turned properly.

(3) The safety device, and the means of attaching it to the vehicles, must have an ultimate strength of not less than the gross weight of the vehicle or vehicles being towed.

(4) The safety device must be connected to the towed and towing vehicles and to the tow-bar in a manner which prevents the tow-bar from dropping to the ground in the event it fails or becomes disconnected.

(5) Except as provided in paragraph (d)(6) of this section, if the safety device consists of safety chains or cables, the towed vehicle must be equipped with either two safety chains or cables or with a bridle arrangement of a single chain or cable attached to its frame or axle at two points as far apart as the configuration of the frame or axle permits. The safety chains or cables shall be either two separate pieces, each equipped with a hook or other means for attachment to the towing vehicle, or a single piece leading along each side of the tow-bar from the two points of attachment on the towed vehicle and arranged into a bridle with a single means of attachment to be connected to the towing vehicle. When a single length of cable is used, a thimble and twin-base cable clamps shall be used to form the forward bridle eye. The hook or other means of attachment to the

towing vehicle shall be secured to the chains or cables in a fixed position.

(6) If the towed vehicle is a converter dolly with a solid tongue and without a hinged tow-bar or other swivel between the fifth wheel mounting and the attachment point of the tongue eye or other hitch device—

(i) Safety chains or cables, when used as the safety device for that vehicle, may consist of either two chains or cables or a single chain or cable used alone;

(ii) A single safety device, including a single chain or cable used alone as the safety device, must be in line with the centerline of the trailer tongue; and

(iii) The device may be attached to the converter dolly at any point to the rear of the attachment point of the tongue eye or other hitch device.

(7) Safety devices other than safety chains or cables must provide strength, security of attachment, and directional stability equal to, or greater than, safety chains or cables installed in accordance with paragraphs (d) (5) and (6) of this section.

(8)(i) When two safety devices, including two safety chains or cables, are used and are attached to the towing vehicle at separate points, the points of attachment on the towing vehicle shall be located equally distant from, and on opposite sides of, the longitudinal centerline of the towing vehicle.

(ii) Where two chains or cables are attached to the same point on the towing vehicle, and where a bridle or a single chain or cable is used, the point of attachment must be on the longitudinal centerline or within 152 mm (6 inches) to the right of the longitudinal centerline of the towing vehicle.

(iii) A single safety device, other than a chain or cable, must also be attached to the towing vehicle at a point on the longitudinal centerline or within 152 mm (6 inches) to the right of the longitudinal centerline of the towing vehicle.

[37 FR 21439, Oct. 11, 1972, as amended at 70 FR 48053, Aug. 15, 2005]

§ 393.71 Coupling devices and towing methods, driveaway-towaway operations.

(a) *Number in combination.* (1) No more than three saddle-mounts may be used in any combination.

(2) No more than one tow-bar or ball-and-socket type coupling device may be used in any combination.

(3) When motor vehicles are towed by means of triple saddle-mounts, the towed vehicles shall have brakes acting on all wheels which are in contact with the roadway.

(b) *Carrying vehicles on towing vehicle.*

(1) When adequately and securely attached by means equivalent in security to that provided in paragraph (j)(2) of this section, a motor vehicle or motor vehicles may be full-mounted on the structure of a towing vehicle engaged in any driveaway-towaway operation.

(2) No motor vehicle or motor vehicles may be full-mounted on a towing vehicle unless the relationship of such full-mounted vehicles to the rear axle or axles results in proper distribution of the total gross weight of the vehicles and does not unduly interfere with the steering, braking, or maneuvering of the towing vehicle, or otherwise contribute to the unsafe operation of the vehicles comprising the combination.

(3) Saddle-mounted vehicles must be arranged such that the gross weight of the vehicles is properly distributed to prevent undue interference with the steering, braking, or maneuvering of the combination of vehicles.

(c) *Carrying vehicles on towed vehicles.*

(1) When adequately and securely attached by means equivalent in security to that provided in paragraph (j)(2) of this section, a motor vehicle or motor vehicles may be full-mounted on the structure of towed vehicles engaged in any driveaway-towaway operation.

(2) No motor vehicle shall be full-mounted on a motor vehicle towed by means of a tow-bar unless the towed vehicle is equipped with brakes and is provided with means for effective application of brakes acting on all wheels and is towed on its own wheels.

(3) No motor vehicle or motor vehicles shall be full-mounted on a motor vehicle towed by means of a saddle-mount unless the center line of the kingpin or equivalent means of attach-

ment of such towed vehicle shall be so located on the towing vehicle that the relationship to the rear axle or axles results in proper distribution of the total gross weight of the vehicles and does not unduly interfere with the steering, braking, or maneuvering of the towing vehicle or otherwise contribute to the unsafe operation of vehicles comprising the combination; and unless a perpendicular to the ground from the center of gravity of the full-mounted vehicles lies forward of the center line of the rear axle of the saddle-mounted vehicle.

(4) If a motor vehicle towed by means of a double saddle-mount has any vehicle full-mounted on it, such saddle-mounted vehicle shall at all times while so loaded have effective brakes acting on those wheels which are in contact with the roadway.

(d) *Bumper tow-bars on heavy vehicles prohibited.* Tow-bars of the type which depend upon the bumpers as a means of transmitting forces between the vehicles shall not be used to tow a motor vehicle weighing more than 5,000 pounds.

(e) *Front wheels of saddle-mounted vehicles restrained.* A motor vehicle towed by means of a saddle-mount shall have the motion of the front wheels restrained if under any condition of turning of such wheels they will project beyond the widest part of either the towed or towing vehicle.

(f) *Vehicles to be towed in forward position.* Unless the steering mechanism is adequately locked in a straight-forward position, all motor vehicles towed by means of a saddle-mount shall be towed with the front end mounted on the towing vehicle.

(g) *Means required for towing.* No motor vehicles or combination of motor vehicles shall be towed in driveaway-towaway operations by means other than a tow-bar, ball-and-socket type coupling device, saddle-mount connections which meet the requirements of this section, or in the case of a semi-trailer equipped with an upper coupler assembly, a fifth-wheel meeting the requirements of § 393.70.

(h) *Requirements for tow-bars.* Tow-bars shall comply with the following requirements:

(1) *Tow-bars, structural adequacy and mounting.* Every tow-bar shall be structurally adequate and properly installed and maintained. To insure that it is structurally adequate, it must, at least, meet the requirements of the following table:

Gross weight of towed vehicle (pounds) ¹	Longitudinal strength in tension and compression ²		
	All tow-bars	New tow-bars acquired and used by a motor carrier after Sept. 30, 1948	Strength as a beam (in any direction concentrated load at center) ^{2,3}
	Pounds		
Less than 5,000	3,000	6,500	3,000
5,000 and over			
Less than 10,000	6,000	(1)	(1)
10,000 and over			
Less than 15,000	9,000	(1)	(1)

¹The required strength of tow-bars for towed vehicles of 15,000 pounds and over gross weight and of new tow-bars acquired and used after Sept. 30, 1948, for towed vehicles of 5,000 pounds and over gross weight shall be computed by means of the following formula: Longitudinal strength=gross weight of towed vehicle × 1.3. Strength as a beam=gross weight of towed vehicle × 0.6.

²In testing, the whole unit shall be tested with all clamps, joints, and pins so mounted and fastened as to approximate conditions of actual operation.

³This test shall be applicable only to tow-bars which are, in normal operation, subjected to a bending movement such as tow-bars for house trailers.

(2) *Tow-bars, jointed.* The tow-bar shall be so constructed as to freely permit motion in both horizontal and vertical planes between the towed and towing vehicles. The means used to provide the motion shall be such as to prohibit the transmission of stresses under normal operation between the towed and towing vehicles, except along the longitudinal axis of the tongue or tongues.

(3) *Tow-bar fastenings.* The means used to transmit the stresses to the chassis or frames of the towed and towing vehicles may be either temporary structures or bumpers or other integral parts of the vehicles: *Provided, however,* That the means used shall be so constructed, installed, and maintained that when tested as an assembly, failure in such members shall not occur when the weakest new tow-bar which is permissible under paragraph (h)(1) of this section is subjected to the tests given therein.

(4) *Means of adjusting length.* On tow-bars, adjustable as to length, the means used to make such adjustment

shall fit tightly and not result in any slackness or permit the tow-bar to bend. With the tow-bar supported rigidly at both ends and with a load of 50 pounds at the center, the sag, measured at the center, in any direction shall not exceed 0.25 inch under any condition of adjustment as to length.

(5) *Method of clamping.* Adequate means shall be provided for securely fastening the tow-bar to the towed and towing vehicles.

(6) *Tow-bar connection to steering mechanism.* The tow-bar shall be provided with suitable means of attachment to and actuation of the steering mechanism, if any, of the towed vehicle. The attachment shall provide for sufficient angularity of movement of the front wheels of the towed vehicle so that it may follow substantially in the path of the towing vehicle without cramping the tow-bar. The tow-bar shall be provided with suitable joints to permit such movement.

(7) *Tracking.* The tow-bar shall be so designed, constructed, maintained, and mounted as to cause the towed vehicle to follow substantially in the path of the towing vehicle. Tow-bars of such design on in our condition as to permit the towed vehicle to deviate more than 3 inches to either side of the path of a towing vehicle moving in a straight line as measured from the center of the towing vehicle are prohibited.

(8) *Passenger car-trailer type couplings.* Trailer couplings used for driveaway-towaway operations of passenger car trailers shall conform to Society of Automotive Engineers Standard No. J684c, "Trailer Couplings and Hitches—Automotive Type," July 1970.¹

(9) *Marking tow-bars.* Every tow-bar acquired and used in driveaway-towaway operations by a motor carrier shall be plainly marked with the following certification of the manufacturer thereof (or words of equivalent meaning):

This tow-bar complies with the requirements of the Federal Motor Carrier Safety Administration for (maximum gross weight for which tow-bar is manufactured) vehicles. Allowable Maximum Gross Weight _____ Manufactured _____ (month and year)

by _____

¹ See footnote 1 to § 393.24(c).

(name of manufacturer)

Tow-bar certification manufactured before the effective date of this regulation must meet requirements in effect at the time of manufacture.

(10) *Safety devices in case of tow-bar failure or disconnection.* (i) The towed vehicle shall be connected to the towing vehicle by a safety device to prevent the towed vehicle from breaking loose in the event the tow-bar fails or becomes disconnected. When safety chains or cables are used as the safety device for that vehicle, at least two safety chains or cables meeting the requirements of paragraph (h)(10)(ii) of this section shall be used. The tensile strength of the safety device and the means of attachment to the vehicles shall be at least equivalent to the corresponding longitudinal strength for tow-bars required in the table of paragraph (h)(1) of this section. If safety chains or cables are used as the safety device, the required strength shall be the combined strength of the combination of chains and cables.

(ii) If chains or cables are used as the safety device, they shall be crossed and attached to the vehicles near the points of bumper attachments to the chassis of the vehicles. The length of chain used shall be no more than necessary to permit free turning of the vehicles. The chains shall be attached to the tow-bar at the point of crossing or as close to that point as is practicable.

(iii) A safety device other than safety chains or cables must provide strength, security of attachment, and directional stability equal to, or greater than, that provided by safety chains or cables installed in accordance with paragraph (h)(10)(ii) of this section. A safety device other than safety chains or cables must be designed, constructed, and installed so that, if the tow-bar fails or becomes disconnected, the tow-bar will not drop to the ground.

(i) [Reserved]

(j) *Requirements for upper-half of saddle-mounts.* The upper-half of any saddle-mount shall comply with the following requirements:

(1) *Upper-half connection to towed vehicle.* The upper-half shall be securely attached to the frame or axle of the towed vehicle by means of U-bolts or

other means providing at least equivalent security.

(2) *U-bolts or other attachments.* U-bolts used to attach the upper half to the towed vehicle shall be made of steel rod, free of defects, so shaped as to avoid at any point a radius of less than 1 inch: *Provided, however,* That a lesser radius may be utilized if the U-bolt is so fabricated as not to cause more than 5 percent reduction in cross-sectional area at points of curvature, in which latter event the minimum radius shall be one-sixteenth inch. U-bolts shall have a diameter not less than required by the following table:

DIAMETER OF U-BOLTS IN INCHES

Weight in pounds of heaviest towed vehicle	Double or triple saddle-mount			
	Front mount	Middle or front mount	Rear mount	Single saddle-mount ¹
Up to 5,000	0.625	0.5625	0.500	0.500
5,000 and over	0.6875	0.625	0.5625	0.5625

¹The total weight of all the vehicles being towed shall govern. If other devices are used to accomplish the same purposes as U-bolts they shall have at least equivalent strength of U-bolts made of mild steel. Cast iron shall not be used for clamps or any other holding devices.

(3) *U-bolts and points of support, location.* The distance between the most widely separated U-bolts shall not be less than 9 inches. The distance between the widely separated points where the upper-half supports the towed vehicle shall not be less than 9 inches, except that saddle-mounts employing ball and socket joints shall employ a device which clamps the axle of the towed vehicle throughout a length of not less than 5 inches.

(4) *Cradle-type upper-halves, specifications.* Upper-halves of the cradle-type using vertical members to restrain the towed vehicle from relative movement in the direction of motion of the vehicles shall be substantially constructed and adequate for the purpose. Such cradle-mounts shall be equipped with at least one bolt or equivalent means to provide against relative vertical movement between the upper-half and the towed vehicle. Bolts, if used, shall be at least one-half inch in diameter. Devices using equivalent means shall have at least equivalent strength. The means used to provide against relative vertical motion between the upper-half and the towed vehicle shall be such as not to permit a relative motion of over

one-half inch. The distance between the most widely separated points of support between the upper-half and the towed vehicle shall be at least 9 inches.

(5) *Lateral movement of towed vehicle.* (i) Towed vehicles having a straight axle or an axle having a drop of less than 3 inches, unless the saddle-mount is constructed in accordance with paragraph (m)(2) of this section, shall be securely fastened by means of chains or cables to the upper-half so as to insure against relative lateral motion between the towed vehicle and the upper-half. The chains or cables shall be at least 3/16-inch diameter and secured by bolts of at least equal diameter.

(ii) Towed vehicles with an axle with a drop of 3 inches or more, or connected by a saddle-mount constructed in accordance with paragraph (m)(2) of this section, need not be restrained by chains or cables provided that the upper-half is so designed as to provide against such relative motion.

(iii) Chains or cables shall not be required if the upper-half is so designed as positively to provide against lateral movement of the axle.

(k) *Requirements for lower half of saddle-mounts.* The lower half of any saddle-mount shall comply with the following requirements:

(1) *U-bolts or other attachments.* U-bolts used to attach the lower half to the towing vehicle shall be made of steel rod, free of defects, so shaped as to avoid at any point a radius of less than 1 inch: *Provided, however,* That a lesser radius may be utilized if the U-bolt is so fabricated as not to cause more than 5 percent reduction in cross-sectional area at points of curvature, in which latter event the minimum radius shall be one-sixteenth inch. U-bolts shall have a total cross-sectional area not less than as required by the following table:

TOTAL CROSS-SECTIONAL AREA OF U-BOLTS IN SQUARE INCHES

Weight in pounds of heaviest towed vehicle	Double or triple saddle-mount			
	Front mount	Middle or front mount	Rear mount	Single saddle-mount ¹
Up to 5,000	1.2	1.0	0.8	0.8

TOTAL CROSS-SECTIONAL AREA OF U-BOLTS IN SQUARE INCHES—Continued

Weight in pounds of heaviest towed vehicle	Double or triple saddle-mount			
	Front mount	Middle or front mount	Rear mount	Single saddle-mount ¹
5,000 and over	1.4	1.2	1.0	1.0

¹ The total weight of all the vehicles being towed shall govern. If other devices are used to accomplish the same purposes as U-bolts they shall have at least equivalent strength of U-bolts made of mild steel. Cast iron shall not be used for clamps or any other holding devices.

(2) *Shifting.* Adequate provision shall be made by design and installation to provide against relative movement between the lower-half and the towing vehicle especially during periods of rapid acceleration and deceleration. To insure against shifting, designs of the tripod type shall be equipped with adequate and securely fastened hold-back chains or similar devices.

(3) *Swaying.* (i) Adequate provision shall be made by design and installation to provide against swaying or lateral movement of the towed vehicle relative to the towing vehicle. To insure against swaying, lower-halves designed with cross-members attached to but separable from vertical members shall have such cross-members fastened to the vertical members by at least two bolts on each side. Such bolts shall be of at least equivalent cross-sectional area as those required for U-bolts for the corresponding saddle-mount as given in the table in paragraph (k)(1) of this section. The minimum distance between the most widely separated points of support of the cross-member by the vertical member shall be three inches as measured in a direction parallel to the longitudinal axis of the towing vehicle.

(ii) The lower-half shall have a bearing surface on the frame of the towing vehicle of such dimensions that the pressure exerted by the lower-half upon the frame of the towing vehicle shall not exceed 200 pounds per square inch under any conditions of static loading. Hardwood blocks or blocks of other suitable material, such as hard rubber, aluminum or brakelining, if used between the lower half and the frame of the towing vehicle shall be at least 1/2 inch thick, 3 inches wide, and a combined length of 6 inches.

(iii) Under no condition shall the highest point of support of the towed vehicle by the upper-half be more than 24 inches, measured vertically, above the top of the frame of the towing vehicle, measured at the point where the lower-half rests on the towing vehicle.

(4) *Wood blocks.* (i) Hardwood blocks of good quality may be used to build up the height of the front end of the towed vehicle, provided that the total height of such wood blocks shall not exceed 8 inches and not over two separate pieces are placed upon each other to obtain such height; however, hardwood blocks, not over 4 in number, to a total height not to exceed 14 inches, may be used if the total cross-sectional area of the U-bolts used to attach the lower-half of the towing vehicle is at least 50 percent greater than that required by the table contained in paragraph (k)(1) of this section, or, if other devices are used in lieu of U-bolts, they shall provide for as great a resistance to bending as is provided by the larger U-bolts above prescribed.

(ii) Hardwood blocks must be at least 4 inches in width and the surfaces between blocks or block and lower-half or block and upper-half shall be planed and so installed and maintained as to minimize any tendency of the towed vehicle to sway or rock.

(5) *Cross-member, general requirements.* The cross-member, which is that part of the lower-half used to distribute the weight of the towed vehicle equally to each member of the frame of the towing vehicle, if used, shall be struc-

turally adequate and properly installed and maintained adequately to perform this function.

(6) *Cross-member, use of wood.* No materials, other than suitable metals, shall be used as the cross-member, and wood may not be used structurally in any manner that will result in its being subject to tensile stresses. Wood may be used in cross-members if supported throughout its length by suitable metal cross-members.

(7) *Lower half strength.* The lower half shall be capable of supporting the loads given in the following table. For the purpose of test, the saddle-mount shall be mounted as normally operated and the load applied through the upper half:

MINIMUM TEST LOAD IN POUNDS

Weight in pounds of heaviest towed vehicle	Double or triple saddle-mount			
	Front mount	Middle or front mount	Rear mount	Single saddle-mount ¹
Up to 5,000	15,000	10,000	5,000	5,000
5,000 and over	30,000	20,000	10,000	10,000

¹The total weight of all the vehicles being towed shall govern.

(1) *Requirements for kingpins of saddle-mounts.* The kingpin of any saddle-mount shall comply with the following requirements:

(1) *Kingpin size.* (i) Kingpins shall be constructed of steel suitable for the purpose, free of defects, and having a diameter not less than required by the following table:

DIAMETER OF SOLID KINGPIN IN INCHES

Weight in pounds of heaviest towed vehicle	Double or triple saddle-mount							
	Front mount		Middle or front mount		Rear mount		Single saddle-mount ¹	
	Mild steel	H.T.S. ²	Mild steel	H.T.S. ²	Mild steel	H.T.S. ²	Mild steel	H.T.S.
Up to 5,000	1.125	1.000	1.000	0.875	0.875	0.750	0.875	0.750
5,000 and over	1.500	1.125	1.250	1.000	1.000	0.875	1.000	0.875

¹The total weight of all the vehicles being towed shall govern.

²High-tensile steel is steel having a minimum ultimate strength of 65,000 pounds per square inch.

(ii) If a ball and socket joint is used in place of a kingpin, the diameter of the neck of the ball shall be at least equal to the diameter of the corresponding solid kingpin given in the above table. If hollow kingpins are

used, the metallic cross-sectional area shall be at least equal to the cross-sectional area of the corresponding solid kingpin.

(2) *Kingpin fit.* If a kingpin bushing is not used, the king-pin shall fit snugly

into the upper and lower-halves but shall not bind. Those portions of the upper or lower-halves in moving contact with the kingpin shall be smoothly machined with no rough or sharp edges. The bearing surface thus provided shall not be less in depth than the radius of the kingpin.

(3) *Kingpin bushing on saddle-mounts.* The kingpin of all new saddle-mounts acquired and used shall be snugly enclosed in a bushing at least along such length of the kingpin as may be in moving contact with either the upper or lower-halves. The bearing surface thus provided shall not be less in depth than the radius of the kingpin.

(4) *Kingpin to restrain vertical motion.* The kingpin shall be so designed and installed as to restrain the upper-half from moving in a vertical direction relative to the lower-half.

(m) *Additional requirements for saddle-mounts.* Saddle-mounts shall comply with the following requirements:

(1) *Bearing surface between upper and lower-halves.* The upper and lower-halves shall be so constructed and connected that the bearing surface between the two halves shall not be less than 16 square inches under any conditions of angularity between the towing and towed vehicles: *Provided, however,* That saddle-mounts using a ball and socket joint shall have a ball of such dimension that the static bearing load shall not exceed 800 pounds per square inch, based on the projected cross-sectional area of the ball: *And further provided,* That saddle-mounts having the upper-half supported by ball, taper, or roller-bearings shall not have such bearings loaded beyond the limits prescribed for such bearings by the manufacturer thereof. The upper-half shall rest evenly and smoothly upon the lower-half and the contact surfaces shall be lubricated and maintained so that there shall be a minimum of frictional resistance between the parts.

(2) *Saddle-mounts, angularity.* All saddle-mounts acquired and used shall provide for angularity between the towing and towed vehicles due to vertical curvatures of the highway. Such means shall not depend upon either the looseness or deformation of the parts of either the saddle-mount or

the vehicles to provide for such angularity.

(3) *Tracking.* The saddle-mount shall be so designed, constructed, maintained, and installed that the towed vehicle or vehicles will follow substantially in the path of the towing vehicle without swerving. Towed vehicles shall not deviate more than 3 inches to either side of the path of the towing vehicle when moving in a straight line.

(4) *Prevention of frame bending.* Where necessary, provision shall be made to prevent the bending of the frame of the towing vehicle by insertion of suitable blocks inside the frame channel to prevent kinking. The saddle-mount shall not be so located as to cause deformation of the frame by reason of cantilever action.

(5) *Extension of frame.* No saddle-mount shall be located at a point to the rear of the frame of a towing vehicle.

(6) *Nuts, secured.* All nuts used on bolts, U-bolts, king-pins, or in any other part of the saddle-mount shall be secured against accidental disconnection by means of cotter-keys, lock-washers, double nuts, safety nuts, or equivalent means. Parts shall be so designed and installed that nuts shall be fully engaged.

(7) *Inspection of all parts.* The saddle-mount shall be so designed that it may be disassembled and each separate part inspected for worn, bent, cracked, broken, or missing parts.

(8) *Saddle-mounts, marking.* Every new saddle-mount acquired and used in driveaway-towaway operations by a motor carrier shall have the upper-half and the lower-half separately marked with the following certification of the manufacturer thereof (or words of equivalent meaning).

This saddle-mount complies with the requirements of the Federal Motor Carrier Safety Administration for vehicles up to 5,000 pounds (or over 5,000 pounds):

Manufactured _____
(Month and year)
by _____
(Name of manufacturer)

(n) *Requirements for devices used to connect motor vehicles or parts of motor vehicles together to form one vehicle—(1) Front axle attachment.* The front axle of

one motor vehicle intended to be coupled with another vehicle as defined in paragraph (g)(2)(ii) of this section shall be attached with U-bolts meeting the requirements of paragraph (j)(2) of this section.

(2) *Rear axle attachment.* The rear axle of one vehicle shall be coupled to the frame of the other vehicle by means of a connecting device which when in place forms a rectangle. The device shall be composed of two pieces, top and bottom. The device shall be made of 4-inch by ½-inch steel bar bent to shape and shall have the corners reinforced with a plate at least 3 inches by ½ inch by 8 inches long. The device shall be bolted together with ¾-inch bolts and at least three shall be used on each side. Wood may be used as spacers to keep the frames apart and it shall be at least 4 inches square.

(Sec. 12, 80 Stat. 931; 49 U.S.C. 1651 note; section 6 of the Department of Transportation Act, 49 U.S.C. 1655, and the delegations of authority at 49 CFR 1.48 and 389.4)

[33 FR 19735, Dec. 25, 1968, as amended at 35 FR 10907, July 7, 1970; 37 FR 21440, Oct. 11, 1972; 53 FR 49400, Dec. 7, 1988; 70 FR 48054, Aug. 15, 2005]

Subpart G—Miscellaneous Parts and Accessories

§ 393.75 Tires.

(a) No motor vehicle shall be operated on any tire that (1) has body ply or belt material exposed through the tread or sidewall, (2) has any tread or sidewall separation, (3) is flat or has an audible leak, or (4) has a cut to the extent that the ply or belt material is exposed.

(b) Any tire on the front wheels of a bus, truck, or truck tractor shall have a tread groove pattern depth of at least ⅓ of an inch when measured at any point on a major tread groove. The measurements shall not be made where tie bars, humps, or fillets are located.

(c) Except as provided in paragraph (b) of this section, tires shall have a tread groove pattern depth of at least ⅓ of an inch when measured in a major tread groove. The measurement shall not be made where tie bars, humps or fillets are located.

(d) No bus shall be operated with regrooved, recapped or retreaded tires on the front wheels.

(e) A regrooved tire with a load-carrying capacity equal to or greater than 2,232 kg (4,920 pounds) shall not be used on the front wheels of any truck or truck tractor.

(f) *Tire loading restrictions (except on manufactured homes).* No motor vehicle (except manufactured homes, which are governed by paragraph (g) of this section) shall be operated with tires that carry a weight greater than that marked on the sidewall of the tire or, in the absence of such a marking, a weight greater than that specified for the tires in any of the publications of any of the organizations listed in Federal Motor Vehicle Safety Standard No. 119 (49 CFR 571.119, S5.1(b)) unless:

(1) The vehicle is being operated under the terms of a special permit issued by the State; and

(2) The vehicle is being operated at a reduced speed to compensate for the tire loading in excess of the manufacturer's rated capacity for the tire. In no case shall the speed exceed 80 km/hr (50 mph).

(g)(1) *Tire loading restrictions for manufactured homes built before January 1, 2002.* Manufactured homes that are labeled pursuant to 24 CFR 3282.362(c)(2)(i) before January 1, 2002, must not be transported on tires that are loaded more than 18 percent over the load rating marked on the sidewall of the tire or, in the absence of such a marking, more than 18 percent over the load rating specified in any of the publications of any of the organizations listed in FMVSS No. 119 (49 CFR 571.119, S5.1(b)). Manufactured homes labeled before January 1, 2002, transported on tires overloaded by 9 percent or more must not be operated at speeds exceeding 80 km/hr (50 mph).

(2) *Tire loading restrictions for manufactured homes built on or after January 1, 2002.* Manufactured homes that are labeled pursuant to 24 CFR 3282.362(c)(2)(i) on or after January 1, 2002, must not be transported on tires loaded beyond the load rating marked on the sidewall of the tire or, in the absence of such a marking, the load rating specified in any of the publications

of any of the organizations listed in FMVSS No. 119 (49 CFR 571.119, S5.1(b)).

(h) *Tire inflation pressure.* (1) No motor vehicle shall be operated on a tire which has a cold inflation pressure less than that specified for the load being carried.

(2) If the inflation pressure of the tire has been increased by heat because of the recent operation of the vehicle, the cold inflation pressure shall be estimated by subtracting the inflation buildup factor shown in Table 1 from the measured inflation pressure.

TABLE 1—INFLATION PRESSURE MEASUREMENT CORRECTION FOR HEAT

Average speed of vehicle in the previous hour	Minimum inflation pressure buildup	
	Tires with 1,814 kg (4,000 lbs.) maximum load rating or less	Tires with over 1,814 kg (4,000 lbs.) load rating
66–88.5 km/hr (41–55 mph).	34.5 kPa (5 psi) ...	103.4 kPa (15 psi).

[34 FR 9344, June 13, 1969, as amended at 40 FR 44557, Sept. 29, 1975; 41 FR 36657, Aug. 31, 1976; 44 FR 25455, May 1, 1979; 44 FR 47938, Aug. 16, 1979; 53 FR 18057, May 19, 1988; 53 FR 49401, Dec. 7, 1988; 63 FR 8339, Feb. 18, 1998; 65 FR 70220, Nov. 21, 2000; 66 FR 67694, Dec. 31, 2001; 70 FR 48054, Aug. 15, 2005]

§ 393.76 Sleeper berths.

(a) *Dimensions*—(1) *Size.* A sleeper berth must be at least the following size:

Date of installation on motor vehicle	Length measured on center-line of longitudinal axis (inches)	Width measured on center-line of transverse axis (inches)	Height measured from highest point of top of mattress ¹ (inches)
Before January 1, 1953	72	18	18
After December 31, 1952, and before October 1, 1975 ...	75	21	21
After September 30, 1975	75	24	24

¹ In the case of a sleeper berth which utilizes an adjustable mechanical suspension system, the required clearance can be measured when the suspension system is adjusted to the height to which it would settle when occupied by a driver.

(2) *Shape.* A sleeper berth installed on a motor vehicle on or after January 1, 1953 must be of generally rectangular shape, except that the horizontal corners and the roof corners may be rounded to radii not exceeding 10½ inches.

(3) *Access.* A sleeper berth must be constructed so that an occupant's ready entrance to, and exit from, the sleeper berth is not unduly hindered.

(b) *Location.* (1) A sleeper berth must not be installed in or on a semitrailer or a full trailer other than a house trailer.

(2) A sleeper berth located within the cargo space of a motor vehicle must be securely compartmentalized from the remainder of the cargo space. A sleeper berth installed on or after January 1, 1953 must be located in the cab or immediately adjacent to the cab and must be securely fixed with relation to the cab.

(c) *Exit from the berth.* (1) Except as provided in paragraph (c)(2) of this section, there must be a direct and ready means of exit from a sleeper berth into the driver's seat or compartment. If the sleeper berth was installed on or after January 1, 1963, the exit must be a doorway or opening at least 18 inches high and 36 inches wide. If the sleeper berth was installed before January 1, 1963, the exit must have sufficient area to contain an ellipse having a major axis of 24 inches and a minor axis of 16 inches.

(2) A sleeper berth installed before January 1, 1953 must either:

(i) Conform to the requirements of paragraph (c)(1) of this section; or

(ii) Have at least two exits, each of which is at least 18 inches high and 21 inches wide, located at opposite ends of the vehicle and useable by the occupant without the assistance of any other person.

(d) *Communication with the driver.* A sleeper berth which is not located within the driver's compartment and has no direct entrance into the driver's compartment must be equipped with a means of communication between the occupant and the driver. The means of communication may consist of a telephone, speaker tube, buzzer, pull cord, or other mechanical or electrical device.

(e) *Equipment.* A sleeper berth must be properly equipped for sleeping. Its equipment must include:

(1) Adequate bedclothing and blankets; and

(2) Either:

(i) Springs and a mattress; or

(ii) An innerspring mattress; or
 (iii) A cellular rubber or flexible foam mattress at least four inches thick; or

(iv) A mattress filled with a fluid and of sufficient thickness when filled to prevent "bottoming-out" when occupied while the vehicle is in motion.

(f) *Ventilation.* A sleeper berth must have louvers or other means of providing adequate ventilation. A sleeper berth must be reasonably tight against dust and rain.

(g) *Protection against exhaust and fuel leaks and exhaust heat.* A sleeper berth must be located so that leaks in the vehicle's exhaust system or fuel system do not permit fuel, fuel system gases, or exhaust gases to enter the sleeper berth. A sleeper berth must be located so that it will not be overheated or damaged by reason of its proximity to the vehicle's exhaust system.

(h) *Occupant restraint.* A motor vehicle manufactured on or after July 1, 1971, and equipped with a sleeper berth must be equipped with a means of preventing ejection of the occupant of the sleeper berth during deceleration of the vehicle. The restraint system must be designed, installed, and maintained to withstand a minimum total force of 6,000 pounds applied toward the front of the vehicle and parallel to the longitudinal axis of the vehicle.

[39 FR 14711, Apr. 26, 1974; 39 FR 17233, May 14, 1974, as amended at 53 FR 49401, Dec. 7, 1988]

§ 393.77 Heaters.

On every motor vehicle, every heater shall comply with the following requirements:

(a) *Prohibited types of heaters.* The installation or use of the following types of heaters is prohibited:

(1) *Exhaust heaters.* Any type of exhaust heater in which the engine exhaust gases are conducted into or through any space occupied by persons or any heater which conducts engine compartment air into any such space.

(2) *Unenclosed flame heaters.* Any type of heater employing a flame which is not fully enclosed, except that such heaters are not prohibited when used for heating the cargo of tank motor vehicles.

(3) *Heaters permitting fuel leakage.* Any type of heater from the burner of which there could be spillage or leakage of fuel upon the tilting or overturning of the vehicle in which it is mounted.

(4) *Heaters permitting air contamination.* Any heater taking air, heated or to be heated, from the engine compartment or from direct contact with any portion of the exhaust system; or any heater taking air in ducts from the outside atmosphere to be conveyed through the engine compartment, unless said ducts are so constructed and installed as to prevent contamination of the air so conveyed by exhaust or engine compartment gases.

(5) *Solid fuel heaters except wood charcoal.* Any stove or other heater employing solid fuel except wood charcoal.

(6) *Portable heaters.* Portable heaters shall not be used in any space occupied by persons except the cargo space of motor vehicles which are being loaded or unloaded.

(b) *Heater specifications.* All heaters shall comply with the following specifications:

(1) *Heating elements, protection.* Every heater shall be so located or protected as to prevent contact therewith by occupants, unless the surface temperature of the protecting grilles or of any exposed portions of the heaters, inclusive of exhaust stacks, pipes, or conduits shall be lower than would cause contact burns. Adequate protection shall be afforded against igniting parts of the vehicle or burning occupants by direct radiation. Wood charcoal heaters shall be enclosed within a metal barrel, drum, or similar protective enclosure which enclosure shall be provided with a securely fastened cover.

(2) *Moving parts, guards.* Effective guards shall be provided for the protection of passengers or occupants against injury by fans, belts, or any other moving parts.

(3) *Heaters, secured.* Every heater and every heater enclosure shall be securely fastened to the vehicle in a substantial manner so as to provide against relative motion within the vehicle during normal usage or in the event the vehicle overturns. Every heater shall be so designed, constructed, and mounted as to minimize the likelihood of disassembly of any of

its parts, including exhaust stacks, pipes, or conduits, upon overturn of the vehicle in or on which it is mounted. Wood charcoal heaters shall be secured against relative motion within the enclosure required by paragraph (c)(1) of this section, and the enclosure shall be securely fastened to the motor vehicle.

(4) *Relative motion between fuel tank and heater.* When either in normal operation or in the event of overturn, there is or is likely to be relative motion between the fuel tank for a heater and the heater, or between either of such units and the fuel lines between them, a suitable means shall be provided at the point of greatest relative motion so as to allow this motion without causing failure of the fuel lines.

(5) *Operating controls to be protected.* On every bus designed to transport more than 15 passengers, including the driver, means shall be provided to prevent unauthorized persons from tampering with the operating controls. Such means may include remote control by the driver; installation of controls at inaccessible places; control of adjustments by key or keys; enclosure of controls in a locked space, locking of controls, or other means of accomplishing this purpose.

(6) *Heater hoses.* Hoses for all hot water and steam heater systems shall be specifically designed and constructed for that purpose.

(7) *Electrical apparatus.* Every heater employing any electrical apparatus shall be equipped with electrical conductors, switches, connectors, and other electrical parts of ample current-carrying capacity to provide against overheating; any electric motor employed in any heater shall be of adequate size and so located that it will not be overheated; electrical circuits shall be provided with fuses and/or circuit breakers to provide against electrical overloading; and all electrical conductors employed in or leading to any heater shall be secured against dangling, chafing, and rubbing and shall have suitable protection against any other condition likely to produce short or open circuits.

NOTE: Electrical parts certified as proper for use by Underwriters' Laboratories, Inc., shall be deemed to comply with the foregoing requirements.

(8) *Storage battery caps.* If a separate storage battery is located within the personnel or cargo space, such battery shall be securely mounted and equipped with nonspill filler caps.

(9) *Combustion heater exhaust construction.* Every heater employing the combustion of oil, gas, liquefied petroleum gas, or any other combustible material shall be provided with substantial means of conducting the products of combustion to the outside of the vehicle: *Provided, however,* That this requirement shall not apply to heaters used solely to heat the cargo space of motor vehicles where such motor vehicles or heaters are equipped with means specifically designed and maintained so that the carbon monoxide concentration will never exceed 0.2 percent in the cargo space. The exhaust pipe, stack, or conduit if required shall be sufficiently substantial and so secured as to provide reasonable assurance against leakage or discharge of products of combustion within the vehicle and, if necessary, shall be so insulated as to make unlikely the burning or charring of parts of the vehicle by radiation or by direct contact. The place of discharge of the products of combustion to the atmosphere and the means of discharge of such products shall be such as to minimize the likelihood of their reentry into the vehicle under all operating conditions.

(10) *Combustion chamber construction.* The design and construction of any combustion-type heater except cargo space heaters permitted by the proviso of paragraph (c)(9) of this section and unenclosed flame heaters used for heating cargo of tank motor vehicles shall be such as to provide against the leakage of products of combustion into air to be heated and circulated. The material employed in combustion chambers shall be such as to provide against leakage because of corrosion, oxidation, or other deterioration. Joints between combustion chambers and the air chambers with which they are in thermal and mechanical contact shall be so designed and constructed as to prevent leakage between the chambers and the materials employed in such joints shall have melting points substantially higher than the maximum

temperatures likely to be attained at the points of jointure.

(11) *Heater fuel tank location.* Every bus designed to transport more than 15 passengers, including the driver, with heaters of the combustion type shall have fuel tanks therefor located outside of and lower than the passenger space. When necessary, suitable protection shall be afforded by shielding or other means against the puncturing of any such tank or its connections by flying stones or other objects.

(12) *Heater, automatic fuel control.* Gravity or siphon feed shall not be permitted for heaters using liquid fuels. Heaters using liquid fuels shall be equipped with automatic means for shutting off the fuel or for reducing such flow of fuel to the smallest practicable magnitude, in the event of overturn of the vehicle. Heaters using liquefied petroleum gas as fuel shall have the fuel line equipped with automatic means at the source of supply for shutting off the fuel in the event of separation, breakage, or disconnection of any of the fuel lines between the supply source and the heater.

(13) *"Tell-tale" indicators.* Heaters subject to paragraph (c)(14) of this section and not provided with automatic controls shall be provided with "tell-tale" means to indicate to the driver that the heater is properly functioning. This requirement shall not apply to heaters used solely for the cargo space in semitrailers or full trailers.

(14) *Shut-off control.* Automatic means, or manual means if the control is readily accessible to the driver without moving from the driver's seat, shall be provided to shut off the fuel and electrical supply in case of failure of the heater to function for any reason, or in case the heater should function improperly or overheat. This requirement shall not apply to wood charcoal heaters or to heaters used solely to heat the contents of cargo tank motor vehicles, but wood charcoal heaters must be provided with a controlled method of regulating the flow of combustion air.

(15) *Certification required.* Every combustion-type heater, except wood charcoal heaters, the date of manufacture of which is subsequent to December 31, 1952, and every wood charcoal heater,

the date of manufacture of which is subsequent to September 1, 1953, shall be marked plainly to indicate the type of service for which such heater is designed and with a certification by the manufacturer that the heater meets the applicable requirements for such use. For example, "Meets I.C.C. Bus Heater Requirements," "Meets I.C.C. Flue-Vented Cargo Space Heater Requirements," and after December 31, 1967, such certification shall read "Meets FMCSA Bus Heater Requirements," "Meets FMCSA Flue-Vented Cargo Space Heater Requirements," etc.

(i) *Exception.* The certification for a catalytic heater which is used in transporting flammable liquid or gas shall be as prescribed under § 177.834(1) of this title.

[33 FR 19735, Dec. 25, 1968, as amended at 40 FR 51198, Nov. 4, 1975; 53 FR 49401, Dec. 7, 1988]

§ 393.78 Windshield wiping and washing systems.

(a) *Vehicles manufactured on or after December 25, 1968.* Each bus, truck, and truck-tractor manufactured on or after December 25, 1968, must have a windshield wiping system that meets the requirements of FMVSS No. 104 (S4.1) in effect on the date of manufacture. Each of these vehicles must have a windshield washing system that meets the requirements of FMVSS No. 104 (S4.2.2) in effect on the date of manufacture.

(b) *Vehicles manufactured between June 30, 1953, and December 24, 1968.* Each truck, truck-tractor, and bus manufactured between June 30, 1953, and December 24, 1968, shall be equipped with a power-driven windshield wiping system with at least two wiper blades, one on each side of the centerline of the windshield. Motor vehicles which depend upon vacuum to operate the windshield wipers, shall have the wiper system constructed and maintained such that the performance of the wipers will not be adversely affected by a change in the intake manifold pressure.

(c) *Driveaway-towaway operations.* Windshield wiping and washing systems need not be in working condition while a commercial motor vehicle is

being towed in a driveway-towaway operation.

[70 FR 48054, Aug. 15, 2005]

§ 393.79 Windshield defrosting and defogging systems.

(a) *Vehicles manufactured on or after December 25, 1968.* Each bus, truck, and truck-tractor manufactured on or after December 25, 1968, must have a windshield defrosting and defogging system that meets the requirements of FMVSS No. 103 in effect on the date of manufacture.

(b) *Vehicles manufactured before December 25, 1968.* Each bus, truck, and truck-tractor shall be equipped with a means for preventing the accumulation of ice, snow, frost, or condensation that could obstruct the driver's view through the windshield while the vehicle is being driven.

[70 FR 48054, Aug. 15, 2005]

§ 393.80 Rear-vision mirrors.

(a) Every bus, truck, and truck tractor shall be equipped with two rear-vision mirrors, one at each side, firmly attached to the outside of the motor vehicle, and so located as to reflect to the driver a view of the highway to the rear, along both sides of the vehicle. All such regulated rear-vision mirrors and their replacements shall meet, as a minimum, the requirements of FMVSS No. 111 (49 CFR 571.111) in force at the time the vehicle was manufactured.

(b) *Exceptions.* (1) Mirrors installed on a vehicle manufactured prior to January 1, 1981, may be continued in service, provided that if the mirrors are replaced they shall be replaced with mirrors meeting, as a minimum, the requirements of FMVSS No. 111 (49 CFR 571.111) in force at the time the vehicle was manufactured.

(2) Only one outside mirror shall be required, which shall be on the driver's side, on trucks which are so constructed that the driver has a view to the rear by means of an interior mirror.

(3) In driveway-towaway operations, the driven vehicle shall have at least one mirror furnishing a clear view to the rear.

[48 FR 57139, Dec. 28, 1983]

§ 393.81 Horn.

Every bus, truck, truck-tractor, and every driven motor vehicle in driveway-towaway operations shall be equipped with a horn and actuating elements which shall be in such condition as to give an adequate and reliable warning signal.

§ 393.82 Speedometer.

Each bus, truck, and truck-tractor must be equipped with a speedometer indicating vehicle speed in miles per hour and/or kilometers per hour. The speedometer must be accurate to within plus or minus 8 km/hr (5 mph) at a speed of 80 km/hr (50 mph).

[70 FR 48054, Aug. 15, 2005]

§ 393.83 Exhaust systems.

(a) Every motor vehicle having a device (other than as part of its cargo) capable of expelling harmful combustion fumes shall have a system to direct the discharge of such fumes. No part shall be located where its location would likely result in burning, charring, or damaging the electrical wiring, the fuel supply, or any combustible part of the motor vehicle.

(b) No exhaust system shall discharge to the atmosphere at a location immediately below the fuel tank or the fuel tank filler pipe.

(c) The exhaust system of a bus powered by a gasoline engine shall discharge to the atmosphere at or within 6 inches forward of the rearmost part of the bus.

(d) The exhaust system of a bus using fuels other than gasoline shall discharge to the atmosphere either:

(1) At or within 15 inches forward of the rearmost part of the vehicle; or

(2) To the rear of all doors or windows designed to be open, except windows designed to be opened solely as emergency exits.

(e) The exhaust system of every truck and truck tractor shall discharge to the atmosphere at a location to the rear of the cab or, if the exhaust projects above the cab, at a location near the rear of the cab.

(f) No part of the exhaust system shall be temporarily repaired with wrap or patches.

(g) No part of the exhaust system shall leak or discharge at a point forward of or directly below the driver/sleeper compartment. The exhaust outlet may discharge above the cab/sleeper roofline.

(h) The exhaust system must be securely fastened to the vehicle.

(i) Exhaust systems may use hangers which permit required movement due to expansion and contraction caused by heat of the exhaust and relative motion between engine and chassis of a vehicle.

[53 FR 49401, Dec. 7, 1988]

§ 393.84 Floors.

The flooring in all motor vehicles shall be substantially constructed, free of unnecessary holes and openings, and shall be maintained so as to minimize the entrance of fumes, exhaust gases, or fire. Floors shall not be permeated with oil or other substances likely to cause injury to persons using the floor as a traction surface.

[53 FR 49401, Dec. 7, 1988]

§ 393.85 [Reserved]

§ 393.86 Rear impact guards and rear end protection.

(a)(1) *General requirements for trailers and semitrailers manufactured on or after January 26, 1998.* Each trailer and semitrailer with a gross vehicle weight rating of 4,536 kg (10,000 pounds) or more, and manufactured on or after January 26, 1998, must be equipped with a rear impact guard that meets the requirements of Federal Motor Vehicle Safety Standard No. 223 (49 CFR 571.223) in effect at the time the vehicle was manufactured. When the rear impact guard is installed on the trailer or semitrailer, the vehicle must, at a minimum, meet the requirements of FMVSS No. 224 (49 CFR 571.224) in effect at the time the vehicle was manufactured. The requirements of paragraph (a) of this section do not apply to pole trailers (as defined in § 390.5 of this chapter); pulpwood trailers, low chassis vehicles, special purpose vehicles, wheels back vehicles (as defined in § 393.5); and trailers towed in driveway-towaway operations (as defined in § 390.5).

(2) *Impact guard width.* The outermost surfaces of the horizontal member of the guard must extend to within 100 mm (4 inches) of the side extremities of the vehicle. The outermost surface of the horizontal member shall not extend beyond the side extremity of the vehicle.

(3) *Guard height.* The vertical distance between the bottom edge of the horizontal member of the guard and the ground shall not exceed 560 mm (22 inches) at any point across the full width of the member. Guards with rounded corners may curve upward within 255 mm (10 inches) of the longitudinal vertical planes that are tangent to the side extremities of the vehicle.

(4) *Guard rear surface.* At any height 560 mm (22 inches) or more above the ground, the rearmost surface of the horizontal member of the guard must be within 305 mm (12 inches) of the rear extremity of the vehicle. This paragraph shall not be construed to prohibit the rear surface of the guard from extending beyond the rear extremity of the vehicle. Guards with rounded corners may curve forward within 255 mm (10 inches) of the side extremity.

(5) *Cross-sectional vertical height.* The horizontal member of each guard must have a cross sectional vertical height of at least 100 mm (3.94 inches) at any point across the guard width.

(6) *Certification and labeling requirements for rear impact protection guards.* Each rear impact guard used to satisfy the requirements of paragraph (a)(1) of this section must be permanently marked or labeled as required by FMVSS No. 223 (49 CFR 571.223, S5.3). The label must be on the forward-facing surface of the horizontal member of the guard, 305 mm (12 inches) inboard of the right end of the guard. The certification label must contain the following information:

(i) The impact guard manufacturer's name and address;

(ii) The statement "Manufactured in _____" (inserting the month and year that the guard was manufactured); and,

(iii) The letters "DOT", constituting a certification by the guard manufacturer that the guard conforms to all requirements of FMVSS No. 223.

(b)(1) *Requirements for motor vehicles manufactured after December 31, 1952 (except trailers or semitrailers manufactured on or after January 26, 1998).* Each motor vehicle manufactured after December 31, 1952, (except truck tractors, pole trailers, pulpwood trailers, or vehicles in driveaway-towaway operations) in which the vertical distance between the rear bottom edge of the body (or the chassis assembly if the chassis is the rearmost part of the vehicle) and the ground is greater than 76.2 cm (30 inches) when the motor vehicle is empty, shall be equipped with a rear impact guard(s). The rear impact guard(s) must be installed and maintained in such a manner that:

(i) The vertical distance between the bottom of the guard(s) and the ground does not exceed 76.2 cm (30 inches) when the motor vehicle is empty;

(ii) The maximum lateral distance between the closest points between guards, if more than one is used, does not exceed 61 cm (24 inches);

(iii) The outermost surfaces of the horizontal member of the guard are no more than 45.7 cm (18 inches) from each side extremity of the motor vehicle;

(iv) The impact guard(s) are no more than 61 cm (24 inches) forward of the rear extremity of the motor vehicle.

(2) *Construction and attachment.* The rear impact guard(s) must be substantially constructed and attached by means of bolts, welding, or other comparable means.

(3) *Vehicle components and structures that may be used to satisfy the requirements of paragraph (b) of this section.* Low chassis vehicles, special purpose vehicles, or wheels back vehicles constructed and maintained so that the body, chassis, or other parts of the vehicle provide the rear end protection comparable to impact guard(s) conforming to the requirements of paragraph (b)(1) of this section shall be considered to be in compliance with those requirements.

[64 FR 47708, Sept. 1, 1999, as amended at 67 FR 61824, Oct. 2, 2002]

§ 393.87 Warning flags on projecting loads.

(a) Any commercial motor vehicle transporting a load which extends beyond the sides by more than 102 mm (4

inches) or more than 1,219 mm (4 feet) beyond the rear must have the extremities of the load marked with red or orange fluorescent warning flags. Each warning flag must be at least 457 mm (18 inches) square.

(b) *Position of flags.* There must be a single flag at the extreme rear if the projecting load is two feet wide or less. Two warning flags are required if the projecting load is wider than two feet. Flags must be located to indicate maximum width of loads which extend beyond the sides and/or rear of the vehicle.

[70 FR 48054, Aug. 15, 2005]

§ 393.88 Television receivers.

Any motor vehicle equipped with a television viewer, screen or other means of visually receiving a television broadcast shall have the viewer or screen located in the motor vehicle at a point to the rear of the back of the driver's seat if such viewer or screen is in the same compartment as the driver and the viewer or screen shall be so located as not to be visible to the driver, while he/she is driving the motor vehicle. The operating controls for the television receiver shall be so located that the driver cannot operate them without leaving the driver's seat.

§ 393.89 Buses, driveshaft protection.

Any driveshaft extending lengthways under the floor of the passenger compartment of a bus shall be protected by means of at least one guard or bracket at that end of the shaft which is provided with a sliding connection (spline or other such device) to prevent the whipping of the shaft in the event of failure thereof or of any of its component parts. A shaft contained within a torque tube shall not require any such device.

[33 FR 19735, Dec. 25, 1968, as amended at 53 FR 49402, Dec. 7, 1988]

§ 393.90 Buses, standee line or bar.

Except as provided below, every bus, which is designed and constructed so as to allow standees, shall be plainly marked with a line of contrasting color at least 2 inches wide or equipped with some other means so as to indicate to any person that he/she is prohibited

from occupying a space forward of a perpendicular plane drawn through the rear of the driver's seat and perpendicular to the longitudinal axis of the bus. Every bus shall have clearly posted at or near the front, a sign with letters at least one-half inch high stating that it is a violation of the Federal Motor Carrier Safety Administration's regulations for a bus to be operated with persons occupying the prohibited area. The requirements of this section shall not apply to any bus being transported in driveway-towaway operation or to any level of the bus other than the level in which the driver is located nor shall they be construed to prohibit any seated person from occupying permanent seats located in the prohibited area provided such seats are so located that persons sitting therein will not interfere with the driver's safe operation of the bus.

§ 393.91 Buses, aisle seats prohibited.

No bus shall be equipped with aisle seats unless such seats are so designed and installed as to automatically fold and leave a clear aisle when they are unoccupied. No bus shall be operated if any seat therein is not securely fastened to the vehicle.

[53 FR 49402, Dec. 7, 1988]

§ 393.92 [Reserved]

§ 393.93 Seats, seat belt assemblies, and seat belt assembly anchorages.

(a) *Buses*—(1) *Buses manufactured on or after January 1, 1965, and before July 1, 1971.* After June 30, 1972, every bus manufactured on or after January 1, 1965, and before July 1, 1971, must be equipped with a Type 1 or Type 2 seat belt assembly that conforms to Federal Motor Vehicle Safety Standard No. 209¹ (§571.209) installed at the driver's seat and seat belt assembly anchorages that conform to the location and geometric requirements of Federal Motor Vehicle Safety Standard No. 210¹ (§571.210) for that seat belt assembly.

¹Individual copies of Federal Motor Vehicle Safety Standards may be obtained from the National Highway Traffic Safety Administration, Nassif Building, 400 Seventh Street SW., Washington, D.C. 20590.

(2) *Buses manufactured on or after July 1, 1971.* Every bus manufactured on or after July 1, 1971, must conform to the requirements of Federal Motor Vehicle Safety Standard No. 208¹ (§571.208) (relating to installation of seat belt assemblies) and Federal Motor Vehicle Safety Standard No. 210¹ (§571.210) (relating to installation of seat belt assembly anchorages).

(3) *Buses manufactured on or after January 1, 1972.* Every bus manufactured on or after January 1, 1972, must conform to the requirements of Federal Motor Vehicle Safety Standard No. 207¹ (§571.207) (relating to seating systems).

(b) *Trucks and truck tractors*—(1) *Trucks and truck tractors manufactured on and after January 1, 1965, and before July 1, 1971.* Except as provided in paragraph (d) of this section, after June 30, 1972, every truck and truck tractor manufactured on or after January 1, 1965, and before July 1, 1971, must be equipped with a Type 1 or Type 2 seat belt assembly that conforms to Federal Motor Vehicle Safety Standard No. 209 (§571.209) installed at the driver's seat and at the right front outboard seat, if the vehicle has one, and seat belt assembly anchorages that conform to the location and geometric requirements of Federal Motor Vehicle Safety Standard No. 210 (§571.210) for each seat belt assembly that is required by this subparagraph.

(2) *Trucks and truck tractors manufactured on or after July 1, 1971.* Every truck and truck tractor manufactured on or after July 1, 1971, except a truck or truck tractor being transported in driveway-towaway operation and having an incomplete vehicle seating and cab configuration, must conform to the requirements of Federal Motor Vehicle Safety Standard No. 208¹ (§571.208) (relating to installation of seat belt assemblies) and Federal Motor Vehicle Safety Standard No. 210¹ (§571.210) (relating to installation of seat belt assembly anchorages).

(3) *Trucks and truck tractors manufactured on or after January 1, 1972.* Every truck and truck tractor manufactured on or after January 1, 1972, except a

¹See footnote to § 393.93(a).

truck or truck tractor being transported in driveaway-towaway operation and having an incomplete vehicle seating and cab configuration, must conform to the requirements of Federal Motor Vehicle Safety Standard No. 207¹ (§571.207) (relating to seating systems).

(c) *Effective date of standards.* Whenever paragraph (a) or (b) of this section requires conformity to a Federal Motor Vehicle Safety Standard, the vehicle or equipment must conform to the version of the Standard that is in effect on the date the vehicle is manufactured or on the date the vehicle is modified to conform to the requirements of paragraph (a) or (b) of this section, whichever is later.

(d) Trucks and truck tractors manufactured on or after January 1, 1965, and before July 1, 1971, and operated in the State of Hawaii, must comply with the provisions of paragraph (b) of this section on and after January 1, 1976.

[35 FR 16839, Oct. 30, 1970, as amended at 39 FR 32561, Sept. 9, 1974; 40 FR 32336, Aug. 1, 1975]

§ 393.94 Interior noise levels in power units.

(a) *Applicability of this section.* The interior noise level requirements apply to all trucks, truck-tractors, and buses.

(b) *General rule.* The interior sound level at the driver's seating position of a motor vehicle must not exceed 90 dB(A) when measured in accordance with paragraph (c) of this section.

(c) *Test procedure.* (1) Park the vehicle at a location so that no large reflecting surfaces, such as other vehicles, signboards, buildings, or hills, are within 50 feet of the driver's seating position.

(2) Close all vehicle doors, windows, and vents. Turn off all power-operated accessories.

(3) Place the driver in his/her normal seated position at the vehicle's controls. Evacuate all occupants except the driver and the person conducting the test.

(4) The sound level meters used to determine compliance with the requirements of this section must meet the American National Standards Institute "Specification for Sound Level Meters,"

ANSI S1.4—1983. (See §393.7(b) for information on the incorporation by reference and availability of this document.)

(5) Locate the microphone, oriented vertically upward, 6 inches to the right of, in the same plane as, and directly in line with, the driver's right ear.

(6) With the vehicle's transmission in neutral gear, accelerate its engine to either its maximum governed engine speed, if it is equipped with an engine governor, or its speed at its maximum rated horsepower, if it is not equipped with an engine governor. Stabilize the engine at that speed.

(7) Observe the A-weighted sound level reading on the meter for the stabilized engine speed condition. Record that reading, if the reading has not been influenced by extraneous noise sources such as motor vehicles operating on adjacent roadways.

(8) Return the vehicle's engine speed to idle and repeat the procedures specified in paragraphs (c) (6) and (7) of this section until two maximum sound levels within 2 dB of each other are recorded. Numerically average those two maximum sound level readings.

(9) The average obtained in accordance with paragraph (c)(8) of this section is the vehicle's interior sound level at the driver's seating position for the purpose of determining whether the vehicle conforms to the rule in paragraph (b) of this section. However, a 2 dB tolerance over the sound level limitation specified in that paragraph is permitted to allow for variations in test conditions and variations in the capabilities of meters.

(10) If the motor vehicle's engine radiator fan drive is equipped with a clutch or similar device that automatically either reduces the rotational speed of the fan or completely disengages the fan from its power source in response to reduced engine cooling loads the vehicle may be parked before testing with its engine running at high idle or any other speed the operator may choose, for sufficient time but not more than 10 minutes, to permit the engine radiator fan to automatically disengage.

[38 FR 30881, Nov. 8, 1973, as amended at 40 FR 32336, Aug. 1, 1975; 41 FR 28268, July 9, 1976; 70 FR 48054, Aug. 15, 2005]

Subpart H—Emergency Equipment

§ 393.95 Emergency equipment on all power units.

Each truck, truck tractor, and bus (except those towed in driveaway-towaway operations) must be equipped as follows:

(a) *Fire Extinguishers.* (1) *Minimum ratings:* (i) A power unit that is used to transport hazardous materials in a quantity that requires placarding (See § 177.823 of this title) must be equipped with a fire extinguisher having an Underwriters' Laboratories rating of 10 B:C or more.

(ii) A power unit that is not used to transport hazardous materials must be equipped with either:

(A) A fire extinguisher having an Underwriters' Laboratories rating of 5 B:C or more; or

(B) Two fire extinguishers, each of which has an Underwriters' Laboratories rating of 4 B:C or more.

(2) *Labeling and marking.* Each fire extinguisher required by this section must be labeled or marked by the manufacturer with its Underwriters' Laboratories rating.

(3) *Visual Indicators.* The fire extinguisher must be designed, constructed, and maintained to permit visual determination of whether it is fully charged.

(4) *Condition, location, and mounting.* The fire extinguisher(s) must be filled and located so that it is readily accessible for use. The extinguisher(s) must be securely mounted to prevent sliding, rolling, or vertical movement relative to the motor vehicle.

(5) *Extinguishing agents.* The fire extinguisher must use an extinguishing agent that does not need protection from freezing. Extinguishing agents must comply with the toxicity provisions of the Environmental Protection Agency's Significant New Alternatives Policy (SNAP) regulations under 40 CFR Part 82, Subpart G.

(b) *Spare fuses.* Power units for which fuses are needed to operate any required parts and accessories must have at least one spare fuse for each type/size of fuse needed for those parts and accessories.

(c)–(e) [Reserved]

(f) *Warning devices for stopped vehicles.* Except as provided in paragraph (g) of

this section, one of the following options must be used:

(1) Three bidirectional emergency reflective triangles that conform to the requirements of Federal Motor Vehicle Safety Standard No. 125, § 571.125 of this title; or

(2) At least 6 fusees or 3 liquid-burning flares. The vehicle must have as many additional fusees or liquid-burning flares as are necessary to satisfy the requirements of § 392.22.

(3) Other warning devices may be used in addition to, but not in lieu of, the required warning devices, provided those warning devices do not decrease the effectiveness of the required warning devices.

(g) *Restrictions on the use of flame-producing devices.* Liquid-burning flares, fusees, oil lanterns, or any signal produced by a flame shall not be carried on any commercial motor vehicle transporting Division 1.1, 1.2, 1.3 (explosives) hazardous materials; any cargo tank motor vehicle used for the transportation of Division 2.1 (flammable gas) or Class 3 (flammable liquid) hazardous materials whether loaded or empty; or any commercial motor vehicle using compressed gas as a motor fuel.

(h)–(i) [Reserved]

(j) *Requirements for fusees and liquid-burning flares.* Each fusee shall be capable of burning for 30 minutes, and each liquid-burning flare shall contain enough fuel to burn continuously for at least 60 minutes. Fusees and liquid-burning flares shall conform to the requirements of Underwriters Laboratories, Inc., UL No. 912, Highway Emergency Signals, Fourth Edition, July 30, 1979, (with an amendment dated November 9, 1981). (See § 393.7(c) for information on the incorporation by reference and availability of this document.) Each fusee and liquid-burning flare shall be marked with the UL symbol in accordance with the requirements of UL 912.

(k) *Requirements for red flags.* Red flags shall be not less than 12 inches square, with standards adequate to

maintain the flags in an upright position.

(49 U.S.C. 304, 1655; 49 CFR 1.48(b) and 301.60) [33 FR 19735, Dec. 25, 1968, as amended at 35 FR 13019, Aug. 15, 1970; 35 FR 14619, Sept. 18, 1970; 37 FR 17176, Aug. 25, 1972; 40 FR 10685, Mar. 7, 1975; 41 FR 53031, Dec. 3, 1976; 47 FR 47837, Oct. 28, 1982; 59 FR 34712, July 6, 1994; 67 FR 61225, Sept. 27, 2002; 70 FR 48054, Aug. 15, 2005]

Subpart I—Protection Against Shifting and Falling Cargo

SOURCE: 67 FR 61225, Sept. 27, 2002, unless otherwise noted.

§ 393.100 Which types of commercial motor vehicles are subject to the cargo securement standards of this subpart, and what general requirements apply?

(a) *Applicability.* The rules in this subpart are applicable to trucks, truck tractors, semitrailers, full trailers, and pole trailers.

(b) *Prevention against loss of load.* Each commercial motor vehicle must, when transporting cargo on public roads, be loaded and equipped, and the cargo secured, in accordance with this subpart to prevent the cargo from leaking, spilling, blowing or falling from the motor vehicle.

(c) *Prevention against shifting of load.* Cargo must be contained, immobilized or secured in accordance with this subpart to prevent shifting upon or within the vehicle to such an extent that the vehicle's stability or maneuverability is adversely affected.

§ 393.102 What are the minimum performance criteria for cargo securement devices and systems?

(a) *Performance criteria.* Cargo securement devices and systems must be capable of withstanding the following three forces, applied separately:

(1) 0.8 g deceleration in the forward direction;

(2) 0.5 g acceleration in the rearward direction; and

(3) 0.5 g acceleration in a lateral direction.

(b) *Performance criteria for devices to prevent vertical movement of loads that are not contained within the structure of the vehicle.* Securement systems must

provide a downward force equivalent to at least 20 percent of the weight of the article of cargo if the article is not fully contained within the structure of the vehicle. If the article is fully contained within the structure of the vehicle, it may be secured in accordance with § 393.106(b).

(c) *Prohibition on exceeding working load limits.* Cargo securement devices and systems must be designed, installed, and maintained to ensure that the maximum forces acting on the devices or systems do not exceed the working load limit for the devices under the conditions listed in paragraphs (a) and (b) of this section.

(d) *Equivalent means of securement.* Cargo that is immobilized, or secured in accordance with the applicable requirements of §§ 393.104 through 393.136, is considered as meeting the performance criteria of this section.

§ 393.104 What standards must cargo securement devices and systems meet in order to satisfy the requirements of this subpart?

(a) *General.* All devices and systems used to secure cargo to or within a vehicle must be capable of meeting the requirements of § 393.102.

(b) *Prohibition on the use of damaged securement devices.* All vehicle structures, systems, parts, and components used to secure cargo must be in proper working order when used to perform that function with no damaged or weakened components that will adversely effect their performance for cargo securement purposes, including reducing the working load limit, and must not have any cracks or cuts.

(c) *Vehicle structures and anchor points.* Vehicle structures, floors, walls, decks, tiedown anchor points, headerboards, bulkheads, stakes, posts and associated mounting pockets used to contain or secure articles of cargo must be strong enough to meet the performance criteria of § 393.102, with no damaged or weakened components that will adversely effect their performance for cargo securement purposes, including reducing the working load limit, and must not have any cracks or cuts.

(d) *Material for dunnage, chocks, cradles, shoring bars, blocking and bracing.* Material used as dunnage or dunnage

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bags, chocks, cradles, shoring bars, or used for blocking and bracing, must not have damage or defects which would compromise the effectiveness of the securement system.

(e) *Manufacturing standards for tie-down assemblies.* Tiedown assemblies

(including chains, wire rope, steel strapping, synthetic webbing, and cordage) and other attachment or fastening devices used to secure articles of cargo to, or in, commercial motor vehicles must conform to the following applicable standards:

An assembly component of . . .	Must conform to . . .
(1) Steel strapping ^{1,2}	Standard Specification for Strapping, Flat Steel and Seals, American Society for Testing and Materials (ASTM) D3953-97, February 1998. ⁴
(2) Chain	National Association of Chain Manufacturers' Welded Steel Chain Specifications, November 15, 1999. ⁴
(3) Webbing	Web Sling and Tiedown Association's Recommended Standard Specification for Synthetic Web Tiedowns, WSTDA-T1, 1998. ⁴
(4) Wire rope ³	Wire Rope Technical Board's Wire Rope Users Manual, 2nd Edition, November 1985. ⁴
(5) Cordage	Cordage Institute rope standard:
	(i) PETRS-2, Polyester Fiber Rope, three-Strand and eight-Strand Constructions, January 1993; ⁴
	(ii) PPRS-2, Polypropylene Fiber Rope, three-Strand and eight-Strand Constructions, August 1992; ⁴
	(iii) CRS-1, Polyester/Polypropylene Composite Rope Specifications, three-Strand and eight-Strand Standard Construction, May 1979; ⁴
	(iv) NRS-1, Nylon Rope Specifications, three-Strand and eight-Strand Standard Construction, May 1979; ⁴ and
	(v) C-1, Double Braided Nylon Rope Specifications DBN, January 1984. ⁴

¹ Steel strapping not marked by the manufacturer with a working load limit will be considered to have a working load limit equal to one-fourth of the breaking strength listed in ASTM D3953-97.

² Steel strapping 25.4 mm (1 inch) or wider must have at least two pairs of crimps in each seal and, when an end-over-end lap joint is formed, must be sealed with at least two seals.

³ Wire rope which is not marked by the manufacturer with a working load limit shall be considered to have a working load limit equal to one-fourth of the nominal strength listed in the manual.

⁴ See § 393.7 for information on the incorporation by reference and availability of this document.

(f) *Use of tiedowns.* (1) Tiedowns and securing devices must not contain knots.

(2) If a tiedown is repaired, it must be repaired in accordance with the applicable standards in paragraph (e) of this section, or the manufacturer's instructions.

(3) Each tiedown must be attached and secured in a manner that prevents it from becoming loose, unfastening, opening or releasing while the vehicle is in transit.

(4) All tiedowns and other components of a cargo securement system used to secure loads on a trailer equipped with rub rails, must be located inboard of the rub rails whenever practicable.

(5) Edge protection must be used whenever a tiedown would be subject to abrasion or cutting at the point where it touches an article of cargo. The edge protection must resist abrasion, cutting and crushing.

§ 393.106 What are the general requirements for securing articles of cargo?

(a) *Applicability.* The rules in this section are applicable to the transportation of all types of articles of cargo, except commodities in bulk that lack structure or fixed shape (e.g., liquids, gases, grain, liquid concrete, sand, gravel, aggregates) and are transported in a tank, hopper, box or similar device that forms part of the structure of a commercial motor vehicle. The rules in this section apply to the cargo types covered by the commodity-specific rules of § 393.116 through § 393.136. The commodity-specific rules take precedence over the general requirements of this section when additional requirements are given for a commodity listed in those sections.

(b) *General.* Cargo must be firmly immobilized or secured on or within a vehicle by structures of adequate strength, dunnage or dunnage bags, shoring bars, tiedowns or a combination of these.

(c) *Cargo placement and restraint.* (1) Articles of cargo that are likely to roll must be restrained by chocks, wedges, a cradle or other equivalent means to prevent rolling. The means of preventing rolling must not be capable of

becoming unintentionally unfastened or loose while the vehicle is in transit.

(2) Articles or cargo placed beside each other and secured by transverse tiedowns must either:

(i) Be placed in direct contact with each other, or

(ii) Be prevented from shifting towards each other while in transit.

(d) *Minimum strength of cargo securement devices and systems.* The aggregate working load limit of any securement system used to secure an article or group of articles against movement must be at least one-half times the weight of the article or group of articles. The aggregate working load limit is the sum of:

(1) One-half of the working load limit of each associated connector or attachment mechanism used to secure a part of the article of cargo to the vehicle; and

(2) One-half of the working load limit for each end section of a tiedown that is attached to an anchor point.

[67 FR 61225, Sept. 27, 2002, as amended at 68 FR 56208, Sept. 30, 2003]

§ 393.108 How is the working load limit of a tiedown determined?

(a) The working load limit (WLL) of a tiedown, associated connector or attachment mechanism is the lowest working load limit of any of its components (including tensioner), or the working load limit of the anchor points to which it is attached, whichever is less.

(b) The working load limits of tiedowns may be determined by using either the tiedown manufacturer's markings or by using the tables in this section. The working load limits listed in the tables are to be used when the tiedown material is not marked by the manufacturer with the working load limit. Tiedown materials which are marked by the manufacturer with working load limits that differ from the tables, shall be considered to have a working load limit equal to the value for which they are marked.

(c) Synthetic cordage (e.g., nylon, polypropylene, polyester) which is not marked or labeled to enable identification of its composition or working load limit shall be considered to have a

working load limit equal to that for polypropylene fiber rope.

(d) Welded steel chain which is not marked or labeled to enable identification of its grade or working load limit shall be considered to have a working load limit equal to that for grade 30 proof coil chain.

(e)(1) Wire rope which is not marked by the manufacturer with a working load limit shall be considered to have a working load limit equal to one-fourth of the nominal strength listed in the Wire Rope Users Manual.

(2) Wire which is not marked or labeled to enable identification of its

construction type shall be considered to have a working load limit equal to that for 6 × 37, fiber core wire rope.

(f) Manila rope which is not marked by the manufacturer with a working load limit shall be considered to have a working load limit based on its diameter as provided in the tables of working load limits.

(g) Friction mats which are not marked or rated by the manufacturer shall be considered to provide resistance to horizontal movement equal to 50 percent of the weight placed on the mat.

TABLES TO § 393.108
[Working Load Limits (WLL), Chain]

Size mm (inches)	WLL in kg (pounds)				
	Grade 30 proof coil	Grade 43 high test	Grade 70 transport	Grade 80 alloy	Grade 100 alloy
1. 7 (1/4)	580 (1,300)	1,180 (2,600)	1,430 (3,150)	1,570 (3,500)	1,950 (4,300)
2. 8 (5/16)	860 (1,900)	1,770 (3,900)	2,130 (4,700)	2,000 (4,500)	2,600 (5,700)
3. 10 (3/8)	1,200 (2,650)	2,450 (5,400)	2,990 (6,600)	3,200 (7,100)	4,000 (8,800)
4. 11 (7/16)	1,680 (3,700)	3,270 (7,200)	3,970 (8,750)		
5. 13 (1/2)	2,030 (4,500)	4,170 (9,200)	5,130 (11,300)	5,400 (12,000)	6,800 (15,000)
6. 16 (5/8)	3,130 (6,900)	5,910 (13,000)	7,170 (15,800)	8,200 (18,100)	10,300 (22,600)
Chain Mark Examples:					
Example 1	3	4	7	8	10
Example 2	30	43	70	80	100
Example 3	300	430	700	800	1000

SYNTHETIC WEBBING

Width mm (inches)	WLL kg (pounds)
45 (1 3/4)	790 (1,750)
50 (2)	910 (2,000)
75 (3)	1,360 (3,000)
100 (4)	1,810 (4,000)

WIRE ROPE (6 × 37, FIBER CORE)

Diameter mm (inches)	WLL kg (pounds)
7 (1/4)	640 (1,400)
8 (5/16)	950 (2,100)
10 (3/8)	1,360 (3,000)
11 (7/16)	1,860 (4,100)
13 (1/2)	2,400 (5,300)
16 (5/8)	3,770 (8,300)
20 (3/4)	4,940 (10,900)
22 (7/8)	7,300 (16,100)
25 (1)	9,480 (20,900)

MANILA ROPE

Diameter mm (inches)	WLL kg (pounds)
10 (3/8)	90 (205)
11 (7/16)	120 (265)
13 (1/2)	150 (315)
16 (5/8)	210 (465)
20 (3/4)	290 (640)
25 (1)	480 (1,050)

POLYPROPYLENE FIBER ROPE WLL (3-STRAND AND 8-STRAND CONSTRUCTIONS)

Diameter mm (inches)	WLL kg (pounds)
10 (3/8)	180 (400)
11 (7/16)	240 (525)
13 (1/2)	280 (625)
16 (5/8)	420 (925)
20 (3/4)	580 (1,275)
25 (1)	950 (2,100)

POLYESTER FIBER ROPE WLL (3-STRAND AND 8-STRAND CONSTRUCTIONS)

Diameter mm (inches)	WLL kg (pounds)
10 (3/8)	250 (555)
11 (7/16)	340 (750)
13 (1/2)	440 (960)
16 (5/8)	680 (1,500)
20 (3/4)	850 (1,880)
25 (1)	1,500 (3,300)

NYLON ROPE

Diameter mm (inches)	WLL kg (pounds)
10 (3/8)	130 (278)
11 (7/16)	190 (410)
13 (1/2)	240 (525)
16 (5/8)	420 (935)
20 (3/4)	640 (1,420)

NYLON ROPE—Continued

Diameter mm (inches)	WLL kg (pounds)
25 (1)	1,140 (2,520)

DOUBLE BRAIDED NYLON ROPE

Diameter mm (inches)	WLL kg (pounds)
10 (3/8)	150 (336)
11 (7/16)	230 (502)
13 (1/2)	300 (655)
16 (5/8)	510 (1,130)
20 (3/4)	830 (1,840)
25 (1)	1,470 (3,250)

STEEL STRAPPING

Width × thickness mm (inches)	WLL kg (pounds)
31.7 × .74 (1 1/4 × 0.029)	540 (1,190)
31.7 × .79 (1 1/4 × 0.031)	540 (1,190)
31.7 × .89 (1 1/4 × 0.035)	540 (1,190)
31.7 × 1.12 (1 1/4 × 0.044)	770 (1,690)
31.7 × 1.27 (1 1/4 × 0.05)	770 (1,690)
31.7 × 1.5 (1 1/4 × 0.057)	870 (1,925)
50.8 × 1.12 (2 × 0.044)	1,200 (2,650)
50.8 × 1.27 (2 × 0.05)	1,200 (2,650)

§ 393.110 What else do I have to do to determine the minimum number of tiedowns?

(a) In addition to the requirements of § 393.106, the minimum number of tiedowns required to secure an article or group of articles against movement depends on the length of the article(s) being secured, and the requirements of paragraphs (b) and (c) of this section.

(b) When an article is not blocked or positioned to prevent movement in the forward direction by a headerboard, bulkhead, other cargo that is positioned to prevent movement, or other appropriate blocking devices, it must be secured by at least:

(1) One tiedown for articles 5 feet (1.52 meters) or less in length, and 1,100 pounds (500 kg) or less in weight;

(2) Two tiedowns if the article is:

(i) 5 feet (1.52 meters) or less in length and more than 1,100 pounds (500 kg) in weight; or

(ii) Longer than 5 feet (1.52 meters) but less than or equal to 10 feet (3.04 meters) in length, irrespective of the weight.

(3) Two tiedowns if the article is longer than 10 feet (3.04 meters), and one additional tiedown for every 10 feet (3.04 meters) of article length, or fraction thereof, beyond the first 10 feet (3.04 meters) of length.

(c) If an individual article is required to be blocked, braced or immobilized to prevent movement in the forward direction by a headerboard, bulkhead, other articles which are adequately secured or by an appropriate blocking or immobilization method, it must be secured by at least one tiedown for every 3.04 meters (10 feet) or article length, or fraction thereof.

(d) *Special rule for special purpose vehicles.* The rules in this section do not apply to a vehicle transporting one or more articles of cargo such as, but not limited to, machinery or fabricated structural items (e.g., steel or concrete beams, crane booms, girders, and trusses, etc.) which, because of their design, size, shape, or weight, must be fastened by special methods. However, any article of cargo carried on that vehicle must be securely and adequately fastened to the vehicle.

§ 393.112 Must a tiedown be adjustable?

Each tiedown, or its associated connectors, or its attachment mechanisms must be designed, constructed, and maintained so the driver of an in-transit commercial motor vehicle can tighten them. However, this requirement does not apply to the use of steel strapping.

§ 393.114 What are the requirements for front end structures used as part of a cargo securement system?

(a) *Applicability.* The rules in this section are applicable to commercial motor vehicles transporting articles of cargo that are in contact with the front end structure of the vehicle. The front end structure on these cargo-carrying vehicles must meet the performance requirements of this section.

(b) *Height and width.* (1) The front end structure must extend either to a height of 4 feet above the floor of the vehicle or to a height at which it blocks forward movement of any item of article of cargo being carried on the vehicle, whichever is lower.

(2) The front end structure must have a width which is at least equal to the width of the vehicle or which blocks forward movement of any article of cargo being transported on the vehicle, whichever is narrower.

(c) *Strength.* The front end structure must be capable of withstanding the following horizontal forward static load:

(1) For a front end structure less than 6 feet in height, a horizontal forward static load equal to one-half (0.5) of the weight of the articles of cargo being transported on the vehicle uniformly distributed over the entire portion of the front end structure that is within 4 feet above the vehicle's floor or that is at or below a height above the vehicle's floor at which it blocks forward movement of any article of the vehicle's cargo, whichever is less; or

(2) For a front end structure 6 feet in height or higher, a horizontal forward static load equal to four-tenths (0.4) of the weight of the articles of cargo being transported on the vehicle uniformly distributed over the entire front end structure.

(d) *Penetration resistance.* The front end structure must be designed, constructed, and maintained so that it is capable of resisting penetration by any article of cargo that contacts it when the vehicle decelerates at a rate of 20 feet per second, per second. The front end structure must have no aperture large enough to permit any article of cargo in contact with the structure to pass through it.

(e) *Substitute devices.* The requirements of this section may be met by the use of devices performing the same functions as a front end structure, if the devices are at least as strong as, and provide protection against shifting articles of cargo at least equal to, a front end structure which conforms to those requirements.

SPECIFIC SECUREMENT REQUIREMENTS
BY COMMODITY TYPE

§ 393.116 What are the rules for securing logs?

(a) *Applicability.* The rules in this section are applicable to the transportation of logs with the following exceptions:

(1) Logs that are unitized by banding or other comparable means may be transported in accordance with the general cargo securement rules of §§ 393.100 through 393.114.

(2) Loads that consist of no more than four processed logs may be transported in accordance with the general cargo securement rules of §§ 393.100 through 393.114.

(3) Firewood, stumps, log debris and other such short logs must be transported in a vehicle or container enclosed on both sides, front, and rear and of adequate strength to contain them. Longer logs may also be so loaded.

(b) *Components of a securement system.* (1) Logs must be transported on a vehicle designed and built, or adapted, for the transportation of logs. Any such vehicle must be fitted with bunks, bolsters, stakes or standards, or other equivalent means, that cradle the logs and prevent them from rolling.

(2) All vehicle components involved in securement of logs must be designed and built to withstand all anticipated operational forces without failure, accidental release or permanent deformation. Stakes or standards that are not permanently attached to the vehicle must be secured in a manner that prevents unintentional separation from the vehicle in transit.

(3) Tiedowns must be used in combination with the stabilization provided by bunks, stakes and bolsters to secure the load.

(c) *Use of securement system.* (1) Logs must be solidly packed, and the outer bottom logs must be in contact with and resting solidly against the bunks, bolsters, stakes or standards.

(2) Each outside log on the side of a stack of logs must touch at least two stakes, bunks, bolsters, or standards. If one end does not actually touch a stake, it must rest on other logs in a stable manner and must extend beyond the stake, bunk, bolster or standard.

(3) The center of the highest outside log on each side or end must be below the top of each stake, bunk or standard.

(4) Each log that is not held in place by contact with other logs or the stakes, bunks, or standards must be held in place by a tiedown. Additional tiedowns or securement devices must be used when the condition of the wood results in such low friction between logs that they are likely to slip upon each other.

(d) *Securement of shortwood logs loaded crosswise on frame, rail and flatbed vehicles.* In addition to the requirements of paragraphs (b) and (c) of this section, each stack of logs loaded crosswise must meet the following rules:

(1) In no case may the end of a log in the lower tier extend more than one-third of the log's total length beyond the nearest supporting structure on the vehicle.

(2) When only one stack of shortwood is loaded crosswise, it must be secured with at least two tiedowns. The tiedowns must attach to the vehicle frame at the front and rear of the load, and must cross the load in this direction.

(3) When two tiedowns are used, they must be positioned at approximately one-third and two-thirds of the length of the logs.

(4) A vehicle that is more than 10 meters (33 feet) long must be equipped with center stakes, or comparable devices, to divide it into sections approximately equal in length. Where a vehicle is so divided, each tiedown must secure the highest log on each side of the center stake, and must be fastened below these logs. It may be fixed at each end and tensioned from the middle, or fixed in the middle and tensioned from each end, or it may pass through a pulley or equivalent device in the middle and be tensioned from one end.

(5) Any structure or stake that is subjected to an upward force when the tiedowns are tensioned must be anchored to resist that force.

(6) If two stacks of shortwood are loaded side-by-side, in addition to meeting the requirements of paragraphs (d)(1) through (d)(5) of this section, they must be loaded so that:

(i) There is no space between the two stacks of logs;

(ii) The outside of each stack is raised at least 2.5 cm (1 in) within 10 cm (4 in) of the end of the logs or the side of the vehicle;

(iii) The highest log is no more than 2.44 m (8 ft) above the deck; and

(iv) At least one tiedown is used lengthwise across each stack of logs.

(e) *Securement of logs loaded lengthwise on flatbed and frame vehicles.* In addition to meeting the requirements of

paragraphs (b) and (c) of this section, each stack of shortwood loaded lengthwise on a frame vehicle or on a flatbed must be secured to the vehicle by at least two tiedowns.

(f) *Securement of logs transported on pole trailers.* (1) The load must be secured by at least one tiedown at each bunk, or alternatively, by at least two tiedowns used as wrappers that encircle the entire load at locations along the load that provide effective securement.

(2) The front and rear wrappers must be at least 3.04 meters (10 feet) apart.

(3) Large diameter single and double log loads must be immobilized with chock blocks or other equivalent means to prevent shifting.

(4) Large diameter logs that rise above bunks must be secured to the underlying load with at least two additional wrappers.

§ 393.118 What are the rules for securing dressed lumber or similar building products?

(a) *Applicability.* The rules in this section apply to the transportation of bundles of dressed lumber, packaged lumber, building products such as plywood, gypsum board or other materials of similar shape. Lumber or building products which are not bundled or packaged must be treated as loose items and transported in accordance with §§ 393.100 through 393.114 of this subpart. For the purpose of this section, "bundle" refers to packages of lumber, building materials or similar products which are unitized for securement as a single article of cargo.

(b) *Positioning of bundles.* Bundles must be placed side by side in direct contact with each other, or a means must be provided to prevent bundles from shifting towards each other.

(c) *Securement of bundles transported using no more than one tier.* Bundles carried on one tier must be secured in accordance with the general provisions of §§ 393.100 through 393.114.

(d) *Securement of bundles transported using more than one tier.* Bundles carried in more than one tier must be either:

(1) Blocked against lateral movement by stakes on the sides of the vehicle and secured by tiedowns laid out over

the top tier, as outlined in the general provisions of §§ 393.100 through 393.114; or

(2) Restrained from lateral movement by blocking or high friction devices between tiers and secured by tiedowns laid out over the top tier, as outlined in the general provisions of §§ 393.100 through 393.114; or

(3) Placed directly on top of other bundles or on spacers and secured in accordance with the following:

(i) The length of spacers between bundles must provide support to all pieces in the bottom row of the bundle.

(ii) The width of individual spacers must be equal to or greater than the height.

(iii) If spacers are comprised of layers of material, the layers must be unitized or fastened together in a manner which ensures that the spacer performs as a single piece of material.

(iv) The arrangement of the tiedowns for the bundles must be:

(A) Secured by tiedowns over the top tier of bundles, in accordance with the general provisions of §§ 393.100 through 393.114 with a minimum of two tiedowns for bundles longer than 1.52 meters (5 ft); and

(B) Secured by tiedowns in accordance with the general provisions of §§ 393.100 through 393.114 over the second tier or over a middle tier of a maximum height of 1.85 meters (6 ft) above the trailer deck, whichever is greater, for each stack of bundles composed of more than two tiers; or

(4) Secured by tiedowns over each tier of bundles, in accordance with §§ 393.100 through 393.114 using a minimum of two tiedowns over each of the top bundles longer than 1.52 meters (5 ft), in all circumstances.

§ 393.120 What are the rules for securing metal coils?

(a) *Applicability.* The rules in this section apply to the transportation of one or more metal coils which, individually or grouped together, weigh 2268 kg (5000 pounds) or more. Shipments of metal coils that weigh less than 2268 kg (5000 pounds) may be secured in accordance with the provisions of §§ 393.100 through 393.114.

(b) *Securement of coils transported with eyes vertical on a flatbed vehicle, in a*

sided vehicle or intermodal container with anchor points—(1) *An individual coil.* Each coil must be secured by tiedowns arranged in a manner to prevent the coils from tipping in the forward, rearward, and lateral directions. The restraint system must include the following:

(i) At least one tiedown attached diagonally from the left side of the vehicle or intermodal container (near the forwardmost part of the coil), across the eye of the coil, to the right side of the vehicle or intermodal container (near the rearmost part of the coil);

(ii) At least one tiedown attached diagonally from the right side of the vehicle or intermodal container (near the forwardmost part of the coil), across the eye of the coil, to the left side of the vehicle or intermodal container (near the rearmost part of the coil);

(iii) At least one tiedown attached transversely over the eye of the coil; and

(iv) Either blocking and bracing, friction mats or tiedowns must be used to prevent longitudinal movement in the forward direction.

(2) *Coils grouped in rows.* When coils are grouped and loaded side by side in a transverse or longitudinal row, the each row of coils must be secured by the following:

(i) At least one tiedown attached to the front of the row of coils, restraining against forward motion, and whenever practicable, making an angle no more than 45 degrees with the floor of the vehicle or intermodal container when viewed from the side of the vehicle or container;

(ii) At least one tiedown attached to the rear of the row of coils, restraining against rearward motion, and whenever practicable, making an angle no more than 45 degrees with the floor of the vehicle or intermodal container when viewed from the side of the vehicle or container;

(iii) At least one tiedown over the top of each coil or transverse row of coils, restraining against vertical motion. Tiedowns going over the top of a coil(s) must be as close as practicable to the eye of the coil and positioned to prevent the tiedown from slipping or becoming unintentionally unfastened while the vehicle is in transit; and

(iv) Tiedowns must be arranged to prevent shifting or tipping in the forward, rearward and lateral directions.

(c) *Securement of coils transported with eyes crosswise on a flatbed vehicle, in a sided vehicle or intermodal container with anchor points*—(1) *An individual coil.* Each coil must be secured by the following:

(i) A means (*e.g.*, timbers, chocks or wedges, a cradle, etc.) to prevent the coil from rolling. The means of preventing rolling must support the coil off the deck, and must not be capable of becoming unintentionally unfastened or loose while the vehicle is in transit. If timbers, chocks or wedges are used, they must be held in place by coil bunks or similar devices to prevent them from coming loose. The use of nailed blocking or cleats as the sole means to secure timbers, chocks or wedges, or a nailed wood cradle, is prohibited;

(ii) At least one tiedown through its eye, restricting against forward motion, and whenever practicable, making an angle no more than 45 degrees with the floor of the vehicle or intermodal container when viewed from the side of the vehicle or container; and

(iii) At least one tiedown through its eye, restricting against rearward motion, and whenever practicable, making an angle no more than 45 degrees with the floor of the vehicle or intermodal container when viewed from the side of the vehicle or container.

(2) *Prohibition on crossing of tiedowns when coils are transported with eyes crosswise.* Attaching tiedowns diagonally through the eye of a coil to form an X-pattern when viewed from above the vehicle is prohibited.

(d) *Securement of coils transported with eyes lengthwise on a flatbed vehicle, in a sided vehicle or intermodal container with anchor points*—(1) *An individual coil-option 1.* Each coil must be secured by:

(i) A means (*e.g.*, timbers, chocks or wedges, a cradle, etc.) to prevent the coil from rolling. The means of preventing rolling must support the coil off the deck, and must not be capable of becoming unintentionally unfastened or loose while the vehicle is in transit. If timbers, chocks or wedges are used, they must be held in place by coil bunks or similar devices to pre-

vent them from coming loose. The use of nailed blocking or cleats as the sole means to secure timbers, chocks or wedges, or a nailed wood cradle, is prohibited;

(ii) At least one tiedown attached diagonally through its eye from the left side of the vehicle or intermodal container (near the forward-most part of the coil), to the right side of the vehicle or intermodal container (near the rearmost part of the coil), making an angle no more than 45 degrees, whenever practicable, with the floor of the vehicle or intermodal container when viewed from the side of the vehicle or container;

(iii) At least one tiedown attached diagonally through its eye, from the right side of the vehicle or intermodal container (near the forward-most part of the coil), to the left side of the vehicle or intermodal container (near the rearmost part of the coil), making an angle no more than 45 degrees, whenever practicable, with the floor of the vehicle or intermodal container when viewed from the side of the vehicle or container;

(iv) At least one tiedown attached transversely over the top of the coil; and

(v) Either blocking, or friction mats to prevent longitudinal movement.

(2) *An individual coil—option 2.* Each coil must be secured by:

(i) A means (*e.g.*, timbers, chocks or wedges, a cradle, etc.) to prevent the coil from rolling. The means of preventing rolling must support the coil off the deck, and must not be capable of becoming unintentionally unfastened or loose while the vehicle is in transit. If timbers, chocks or wedges are used, they must be held in place by coil bunks or similar devices to prevent them from coming loose. The use of nailed blocking or cleats as the sole means to secure timbers, chocks or wedges, or a nailed wood cradle, is prohibited;

(ii) At least one tiedown attached straight through its eye from the left side of the vehicle or intermodal container (near the forward-most part of the coil), to the left side of the vehicle or intermodal container (near the rearmost part of the coil), and, whenever practicable, making an angle no more

than 45 degrees with the floor of the vehicle or intermodal container when viewed from the side of the vehicle or container;

(iii) At least one tiedown attached straight through its eye, from the right side of the vehicle or intermodal container (near the forward-most part of the coil), to the right side of the vehicle or intermodal container (near the rearmost part of the coil), and whenever practicable, making an angle no more than 45 degrees with the floor of the vehicle or intermodal container when viewed from the side of the vehicle or container;

(iv) At least one tiedown attached transversely over the top of the coil; and

(v) Either blocking or friction mats to prevent longitudinal movement.

(3) *An individual coil—option 3.* Each coil must be secured by:

(i) A means (*e.g.*, timbers, chocks or wedges, a cradle, etc.) to prevent the coil from rolling. The means of preventing rolling must support the coil off the deck, and must not be capable of becoming unintentionally unfastened or loose while the vehicle is in transit. If timbers, chocks or wedges are used, they must be held in place by coil bunks or similar devices to prevent them from coming loose. The use of nailed blocking or cleats as the sole means to secure timbers, chocks or wedges, or a nailed wood cradle, is prohibited;

(ii) At least one tiedown over the top of the coil, located near the forward-most part of the coil;

(iii) At least one tiedown over the top of the coil located near the rearmost part of the coil; and

(iv) Either blocking or friction mats to prevent longitudinal movement, he forward direction.

(4) *Rows of coils.* Each transverse row of coils having approximately equal outside diameters must be secured with:

(i) A means (*e.g.*, timbers, chocks or wedges, a cradle, etc.) to prevent each coil in the row of coils from rolling. The means of preventing rolling must support each coil off the deck, and must not be capable of becoming unintentionally unfastened or loose while the vehicle is in transit. If timbers,

chocks or wedges are used, they must be held in place by coil bunks or similar devices to prevent them from coming loose. The use of nailed blocking or cleats as the sole means to secure timbers, chocks or wedges, or a nailed wood cradle, is prohibited;

(ii) At least one tiedown over the top of each coil or transverse row, located near the forward-most part of the coil;

(iii) At least one tiedown over the top of each coil or transverse row, located near the rearmost part of the coil; and

(iv) Either blocking, bracing or friction mats to prevent longitudinal movement.

(e) *Securement of coils transported in a sided vehicle without anchor points or an intermodal container without anchor points.* Metal coils transported in a vehicle with sides without anchor points or an intermodal container without anchor points must be loaded in a manner to prevent shifting and tipping. The coils may also be secured using a system of blocking and bracing, friction mats, tiedowns, or a combination of these to prevent any horizontal movement and tipping.

§ 393.122 What are the rules for securing paper rolls?

(a) *Applicability.* The rules in this section apply to shipments of paper rolls which, individually or together, weigh 2268 kg (5000 lb) or more. Shipments of paper rolls that weigh less than 2268 kg (5000 lb), and paper rolls that are unitized on a pallet, may either be secured in accordance with the rules in this section or the requirements of §§ 393.100 through 393.114.

(b) *Securement of paper rolls transported with eyes vertical in a sided vehicle.* (1) Paper rolls must be placed tightly against the walls of the vehicle, other paper rolls, or other cargo, to prevent movement during transit.

(2) If there are not enough paper rolls in the shipment to reach the walls of the vehicle, lateral movement must be prevented by filling the void, blocking, bracing, tiedowns or friction mats. The paper rolls may also be banded together.

(3) When any void behind a group of paper rolls, including that at the rear of the vehicle, exceeds the diameter of the paper rolls, rearward movement

must be prevented by friction mats, blocking, bracing, tiedowns, or banding to other rolls.

(4)(i) If a paper roll is not prevented from tipping or falling sideways or rearwards by vehicle structure or other cargo, and its width is more than 2 times its diameter, it must be prevented from tipping or falling by banding it to other rolls, bracing, or tiedowns.

(ii) If the forwardmost roll(s) in a group of paper rolls is not prevented from tipping or falling forwards by vehicle structure or other cargo and it is restrained against forward movement by friction mat(s) alone, and its width is more than 1.75 times its diameter, it must be prevented from tipping or falling forwards by banding it to other rolls, bracing, or tiedowns.

(iii) Otherwise, when a paper roll or the forwardmost roll in groups of rolls that are not prevented from tipping or falling forwards by vehicle structure or other cargo and its width exceeds 1.25 times its diameter it must be prevented from tipping or falling by banding it to other rolls, bracing or tiedowns.

(5) If paper rolls are banded together, the rolls must be placed tightly against each other to form a stable group. The bands must be applied tightly, and must be secured so that they cannot fall off the rolls or to the deck.

(6) A friction mat used to provide the principal securement for a paper roll must protrude from beneath the roll in the direction in which it is providing that securement.

(c) *Securement of split loads of paper rolls transported with eyes vertical in a sided vehicle.* (1) If a paper roll in a split load is not prevented from forward movement by vehicle structure or other cargo, it must be prevented from forward movement by filling the open space, or by blocking, bracing, tiedowns, friction mats, or some combination of these.

(2) A friction mat used to provide the principal securement for a paper roll must protrude from beneath the roll in the direction in which it is providing that securement.

(d) *Securement of stacked loads of paper rolls transported with eyes vertical in a sided vehicle.* (1) Paper rolls must not be

loaded on a layer of paper rolls beneath unless the lower layer extends to the front of the vehicle.

(2) Paper rolls in the second and subsequent layers must be prevented from forward, rearward or lateral movement by means as allowed for the bottom layer, or by use of a blocking roll from a lower layer.

(3) The blocking roll must be at least 38 mm (1.5 in) taller than other rolls, or must be raised at least 38 mm (1.5 in) using dunnage.

(4) A roll in the rearmost row of any layer must not be raised using dunnage.

(e) *Securement of paper rolls transported with eyes crosswise in a sided vehicle.* (1) The paper rolls must be prevented from rolling or shifting longitudinally by contact with vehicle structure or other cargo, by chocks, wedges or blocking and bracing of adequate size, or by tiedowns.

(2) Chocks, wedges or blocking must be held securely in place by some means in addition to friction, so they cannot become unintentionally unfastened or loose while the vehicle is in transit.

(3) The rearmost roll must not be secured using the rear doors of the vehicle or intermodal container, or by blocking held in place by those doors.

(4) If there is more than a total of 203 mm (8 in) of space between the ends of a paper roll, or a row of rolls, and the walls of the vehicle, void fillers, blocking, bracing, friction mats, or tiedowns must be used to prevent the roll from shifting towards either wall.

(f) *Securement of stacked loads of paper rolls transported with eyes crosswise in a sided vehicle.* (1) Rolls must not be loaded in a second layer unless the bottom layer extends to the front of the vehicle.

(2) Rolls must not be loaded in a third or higher layer unless all wells in the layer beneath are filled.

(3) The foremost roll in each upper layer, or any roll with an empty well in front of it, must be secured against forward movement by:

(i) Banding it to other rolls, or

(ii) Blocking against an adequately secured eye-vertical blocking roll resting on the floor of the vehicle which is

at least 1.5 times taller than the diameter of the roll being blocked, or

(iii) Placing it in a well formed by two rolls on the lower row whose diameter is equal to or greater than that of the roll on the upper row.

(4) The rearmost roll in each upper layer must be secured by banding it to other rolls if it is located in either of the last two wells formed by the rearmost rolls in the layer below.

(5) Rolls must be secured against lateral movement by the same means allowed for the bottom layer when there is more than a total of 203 mm (8 in) of space between the ends of a paper roll, or a row of rolls, and the walls of the vehicle.

(g) *Securement of paper rolls transported with the eyes lengthwise in a sided vehicle.*

(1) Each roll must be prevented from forward movement by contact with vehicle structure, other cargo, blocking or tiedowns.

(2) Each roll must be prevented from rearward movement by contact with other cargo, blocking, friction mats or tiedowns.

(3) The paper rolls must be prevented from rolling or shifting laterally by contact with the wall of the vehicle or other cargo, or by chocks, wedges or blocking of adequate size.

(4) Chocks, wedges or blocking must be held securely in place by some means in addition to friction, so they cannot become unintentionally unfastened or loose while the vehicle is in transit.

(h) *Securement of stacked loads of paper rolls transported with the eyes lengthwise in a sided vehicle.* (1) Rolls must not be loaded in a higher layer if another roll will fit in the layer beneath.

(2) An upper layer must be formed by placing paper rolls in the wells formed by the rolls beneath.

(3) A roll in an upper layer must be secured against forward and rearward movement by any of the means allowed for the bottom layer, by use of a blocking roll, or by banding to other rolls.

(i) *Securement of paper rolls transported on a flatbed vehicle or in a curtain-sided vehicle—(1) Paper rolls with eyes vertical or with eyes lengthwise.*

(i) The paper rolls must be loaded and secured as described for a sided vehicle, and the entire load must be secured by tiedowns in accordance with the requirements of §§393.100 through 393.114.

(ii) Stacked loads of paper rolls with eyes vertical are prohibited.

(2) *Paper rolls with eyes crosswise.* (i) The paper rolls must be prevented from rolling or shifting longitudinally by contact with vehicle structure or other cargo, by chocks, wedges or blocking and bracing of adequate size, or by tiedowns.

(ii) Chocks, wedges or blocking must be held securely in place by some means in addition to friction so that they cannot become unintentionally unfastened or loose while the vehicle is in transit.

(iii) Tiedowns must be used in accordance with the requirements of §§393.100 through 393.114 to prevent lateral movement.

§ 393.124 What are the rules for securing concrete pipe?

(a) *Applicability.* (1) The rules in this section apply to the transportation of concrete pipe on flatbed trailers and vehicles, and lowboy trailers.

(2) Concrete pipe bundled tightly together into a single rigid article that has no tendency to roll, and concrete pipe loaded in a sided vehicle or container must be secured in accordance with the provisions of §§393.100 through 393.114.

(b) *General specifications for tiedowns.* (1) The aggregate working load limit of all tiedowns on any group of pipes must not be less than half the total weight of all the pipes in the group.

(2) A transverse tiedown through a pipe on an upper tier or over longitudinal tiedowns is considered to secure all those pipes beneath on which that tiedown causes pressure.

(c) *Blocking.* (1) Blocking may be one or more pieces placed symmetrically about the center of a pipe.

(2) One piece must extend at least half the distance from the center to each end of the pipe, and two pieces must be placed on the opposite side, one at each end of the pipe.

(3) Blocking must be placed firmly against the pipe, and must be secured

to prevent it moving out from under the pipe.

(4) Timber blocking must have minimum dimensions of at least 10 × 15 cm (4 × 6 in).

(d) *Arranging the load*—(1) *Pipe of different diameter*. If pipe of more than one diameter are loaded on a vehicle, groups must be formed that consist of pipe of only one size, and each group must be separately secured.

(2) *Arranging a bottom tier*. The bottom tier must be arranged to cover the full length of the vehicle, or as a partial tier in one group or two groups.

(3) *Arranging an upper tier*. Pipe must be placed only in the wells formed by adjacent pipes in the tier beneath. A third or higher tier must not be started unless all wells in the tier beneath are filled.

(4) *Arranging the top tier*. The top tier must be arranged as a complete tier, a partial tier in one group, or a partial tier in two groups.

(5) *Arranging bell pipe*. (i) Bell pipe must be loaded on at least two longitudinal spacers of sufficient height to ensure that the bell is clear of the deck.

(ii) Bell pipe loaded in one tier must have the bells alternating on opposite sides of the vehicle.

(iii) The ends of consecutive pipe must be staggered, if possible, within the allowable width, otherwise they must be aligned.

(iv) Bell pipe loaded in more than one tier must have the bells of the bottom tier all on the same side of the vehicle.

(v) Pipe in every upper tier must be loaded with bells on the opposite side of the vehicle to the bells of the tier below.

(vi) If the second tier is not complete, pipe in the bottom tier which do not support a pipe above must have their bells alternating on opposite sides of the vehicle.

(a) *Securing pipe with an inside diameter up to 1,143 mm (45 in)*. In addition to the requirements of paragraphs (b), (c) and (d) of this section, the following rules must be satisfied:

(1) *Stabilizing the bottom tier*. (i) The bottom tier must be immobilized longitudinally at each end by blocking, vehicle end structure, stakes, a locked pipe unloader, or other equivalent means.

(ii) Other pipe in the bottom tier may also be held in place by blocks and/or wedges; and

(iii) Every pipe in the bottom tier must also be held firmly in contact with the adjacent pipe by tiedowns through the front and rear pipes:

(A) At least one tiedown through the front pipe of the bottom tier must run aft at an angle not more than 45 degrees with the horizontal, whenever practicable.

(B) At least one tiedown through the rear pipe of the bottom tier must run forward at an angle not more than 45 degrees with the horizontal, whenever practicable.

(2) *Use of tiedowns*. (i) Each pipe may be secured individually with tiedowns through the pipe.

(ii) If each pipe is not secured individually with a tiedown, then:

(A) Either one 1/2-inch diameter chain or wire rope, or two 3/8-inch diameter chain or wire rope, must be placed longitudinally over the group of pipes;

(B) One transverse tiedown must be used for every 3.04 m (10 ft) of load length. The transverse tiedowns may be placed through a pipe, or over both longitudinal tiedowns between two pipes on the top tier.

(C) If the first pipe of a group in the top tier is not placed in the first well formed by pipes at the front of the tier beneath, it must be secured by an additional tiedown that runs rearward at an angle not more than 45 degrees to the horizontal, whenever practicable. This tiedown must pass either through the front pipe of the upper tier, or outside it and over both longitudinal tiedowns; and

(D) If the last pipe of a group in the top tier is not placed in the last well formed by pipes at the rear of the tier beneath, it must be secured by an additional tiedown that runs forward at an angle not more than 45 degrees to the horizontal, whenever practicable. This tiedown must pass either through the rear pipe of the upper tier or outside it and over both longitudinal tiedowns.

(f) *Securing large pipe, with an inside diameter over 1143 mm (45 in)*. In addition to the requirements of paragraphs (b), (c) and (d) of this section, the following rules must be satisfied:

(1) The front pipe and the rear pipe must be immobilized by blocking, wedges, vehicle end structure, stakes, locked pipe unloader, or other equivalent means.

(2) Each pipe must be secured by tiedowns through the pipe:

(i) At least one tiedown through each pipe in the front half of the load, which includes the middle one if there is an odd number, and must run rearward at an angle not more than 45 degrees with the horizontal, whenever practicable.

(ii) At least one tiedown through each pipe in the rear half of the load, and must run forward at an angle not more than 45 degrees with the horizontal, whenever practicable, to hold each pipe firmly in contact with adjacent pipe; and

(iii) If the front or rear pipe is not also in contact with vehicle end structure, stakes, a locked pipe unloader, or other equivalent means, at least two tiedowns positioned as described in paragraphs (f)(2)(i) and (ii) of this section, must be used through that pipe.

(3) If only one pipe is transported, or if several pipes are transported without contact between other pipes, the requirements in this paragraph apply to each pipe as a single front and rear article.

§ 393.126 What are the rules for securing intermodal containers?

(a) Applicability. The rules in this section apply to the transportation of intermodal containers. Cargo contained within an intermodal container must be secured in accordance with the provisions of §§ 393.100 through 393.114 or, if applicable, the commodity specific rules of this part.

(b) *Securement of intermodal containers transported on container chassis vehicle(s).* (1) Each intermodal container must be secured to the container chassis with securement devices or integral locking devices that cannot unintentionally become unfastened while the vehicle is in transit.

(2) The securement devices must restrain the container from moving more than 1.27 cm (1/2 in) forward, more than 1.27 cm (1/2 in) aft, more than 1.27 cm (1/2 in) to the right, more than 1.27 cm (1/2 in) to the left, or more than 2.54 cm (1 in) vertically.

(3) The front and rear of the container must be secured independently.

(c) *Securement of loaded intermodal containers transported on vehicles other than container chassis vehicle(s).* (1) All lower corners of the intermodal container must rest upon the vehicle, or the corners must be supported by a structure capable of bearing the weight of the container and that support structure must be independently secured to the motor vehicle.

(2) Each container must be secured to the vehicle by:

(i) Chains, wire ropes or integral devices which are fixed to all lower corners; or

(ii) Crossed chains which are fixed to all upper corners; and,

(3) The front and rear of the container must be secured independently. Each chain, wire rope, or integral locking device must be attached to the container in a manner that prevents it from being unintentionally unfastened while the vehicle is in transit.

(d) *Securement of empty intermodal containers transported on vehicles other than container chassis vehicle(s).* Empty intermodal containers transported on vehicles other than container chassis vehicles do not have to have all lower corners of the intermodal container resting upon the vehicle, or have all lower corners supported by a structure capable of bearing the weight of the empty container, provided:

(1) The empty intermodal container is balanced and positioned on the vehicle in a manner such that the container is stable before the addition of tiedowns or other securement equipment; and,

(2) The amount of overhang for the empty container on the trailer does not exceed five feet on either the front or rear of the trailer;

(3) The empty intermodal container must not interfere with the vehicle's maneuverability; and,

(4) The empty intermodal container is secured to prevent lateral, longitudinal, or vertical shifting.

§ 393.128 What are the rules for securing automobiles, light trucks and vans?

(a) *Applicability.* The rules in this section apply to the transportation of

automobiles, light trucks, and vans which individually weigh 4,536 kg (10,000 lb) or less. Vehicles which individually are heavier than 4,536 kg (10,000 lb) must be secured in accordance with the provisions of § 393.130 of this part.

(b) *Securement of automobiles, light trucks, and vans.*

(1) Automobiles, light trucks, and vans must be restrained at both the front and rear to prevent lateral, forward, rearward, and vertical movement using a minimum of two tiedowns.

(2) Tiedowns that are designed to be affixed to the structure of the automobile, light truck, or van must use the mounting points on those vehicles that have been specifically designed for that purpose.

(3) Tiedowns that are designed to fit over or around the wheels of an automobile, light truck, or van must provide restraint in the lateral, longitudinal and vertical directions.

(4) Edge protectors are not required for synthetic webbing at points where the webbing comes in contact with the tires.

§ 393.130 What are the rules for securing heavy vehicles, equipment and machinery?

(a) *Applicability.* The rules in this section apply to the transportation of heavy vehicles, equipment and machinery which operate on wheels or tracks, such as front end loaders, bulldozers, tractors, and power shovels and which individually weigh 4,536 kg (10,000 lb.) or more. Vehicles, equipment and machinery which is lighter than 4,536 kg (10,000 lb.) may also be secured in accordance with the provisions of this section, with § 393.128, or in accordance with the provisions of §§ 393.100 through 393.114.

(b) *Preparation of equipment being transported.* (1) Accessory equipment, such as hydraulic shovels, must be completely lowered and secured to the vehicle.

(2) Articulated vehicles shall be restrained in a manner that prevents articulation while in transit.

(c) *Securement of heavy vehicles, equipment or machinery with crawler tracks or wheels.* (1) In addition to the requirements of paragraph (b) of this section,

heavy equipment or machinery with crawler tracks or wheels must be restrained against movement in the lateral, forward, rearward, and vertical direction using a minimum of four tiedowns.

(2) Each of the tiedowns must be affixed as close as practicable to the front and rear of the vehicle, or mounting points on the vehicle that have been specifically designed for that purpose.

§ 393.132 What are the rules for securing flattened or crushed vehicles?

(a) *Applicability.* The rules in this section apply to the transportation of vehicles such as automobiles, light trucks, and vans that have been flattened or crushed.

(b) *Prohibition on the use of synthetic webbing.* The use of synthetic webbing to secure flattened or crushed vehicles is prohibited.

(c) *Securement of flattened or crushed vehicles.* Flattened or crushed vehicles must be transported on vehicles which have:

(1) Containment walls or comparable means on four sides which extend to the full height of the load and which block against movement of the cargo in the forward, rearward and lateral directions; or

(2)(i) Containment walls or comparable means on three sides which extend to the full height of the load and which block against movement of the cargo in the forward, rearward and the lateral direction for which there is no containment wall or comparable means, and

(ii) A minimum of two tiedowns are required per vehicle stack; or

(3)(i) Containment walls on two sides which extend to the full height of the load and which block against movement of the cargo in the forward and rearward directions, and

(ii) A minimum of three tiedowns are required per vehicle stack; or

(4) A minimum of four tiedowns per vehicle stack.

(5) In addition to the requirements of paragraphs (c)(2), (3), and (4), the following rules must be satisfied:

(i) Vehicles used to transport flattened or crushed vehicles must be equipped with a means to prevent loose

parts from falling from all four sides of the vehicle which extends to the full height of the cargo.

(ii) The means used to contain loose parts may consist of structural walls, sides or sideboards, or suitable covering material, alone or in combinations.

(iii) The use of synthetic material for containment of loose parts is permitted.

§ 393.134 What are the rules for securing roll-on/roll-off or hook lift containers?

(a) *Applicability.* The rules in this section apply to the transportation of roll-on/roll-off or hook lift containers.

(b) *Securement of a roll-on/roll-off and hook lift container.* Each roll-on/roll-off and hook lift container carried on a vehicle which is not equipped with an integral securement system must be:

(1) Blocked against forward movement by the lifting device, stops, a combination of both or other suitable restraint mechanism;

(2) Secured to the front of the vehicle by the lifting device or other suitable restraint against lateral and vertical movement;

(3) Secured to the rear of the vehicle with at least one of the following mechanisms:

(i) One tiedown attached to both the vehicle chassis and the container chassis;

(ii) Two tiedowns installed lengthwise, each securing one side of the container to one of the vehicle's side rails; or

(iii) Two hooks, or an equivalent mechanism, securing both sides of the container to the vehicle chassis at least as effectively as the tiedowns in the two previous items.

(4) The mechanisms used to secure the rear end of a roll-on/roll off or hook lift container must be installed no more than two meters (6 ft 7 in) from the rear of the container.

(5) In the event that one or more of the front stops or lifting devices are missing, damaged or not compatible, additional manually installed tiedowns must be used to secure the container to the vehicle, providing the same level of securement as the missing, damaged or incompatible components.

§ 393.136 What are the rules for securing large boulders?

(a) *Applicability.* (1) The rules in this section are applicable to the transportation of any large piece of natural, irregularly shaped rock weighing in excess of 5,000 kg (11,000 lb.) or with a volume in excess of 2 cubic-meters on an open vehicle, or in a vehicle whose sides are not designed and rated to contain such cargo.

(2) Pieces of rock weighing more than 100 kg (220 lb.), but less than 5,000 kg (11,000 lb.) must be secured, either in accordance with this section, or in accordance with the provisions of §§ 393.100 through 393.114, including:

(i) Rock contained within a vehicle which is designed to carry such cargo; or

(ii) Secured individually by tiedowns, provided each piece can be stabilized and adequately secured.

(3) Rock which has been formed or cut to a shape and which provides a stable base for securement must also be secured, either in accordance with the provisions of this section, or in accordance with the provisions of §§ 393.100 through 393.114.

(b) *General requirements for the positioning of boulders on the vehicle.* (1) Each boulder must be placed with its flattest and/or largest side down.

(2) Each boulder must be supported on at least two pieces of hard wood blocking at least 10 cm × 10 cm (4 inches × 4 inches) side dimensions extending the full width of the boulder.

(3) Hardwood blocking pieces must be placed as symmetrically as possible under the boulder and should support at least three-fourths of the length of the boulder.

(4) If the flattest side of a boulder is rounded or partially rounded, so that the boulder may roll, it must be placed in a crib made of hardwood timber fixed to the deck of the vehicle so that the boulder rests on both the deck and the timber, with at least three well-separated points of contact that prevent its tendency to roll in any direction.

(5) If a boulder is tapered, the narrowest end must point towards the front of the vehicle.

(c) *General tiedown requirements.* (1) Only chain may be used as tiedowns to secure large boulders.

(2) Tiedowns which are in direct contact with the boulder should, where possible, be located in valleys or notches across the top of the boulder, and must be arranged to prevent sliding across the rock surface.

(d) *Securement of a cubic shaped boulder.* In addition to the requirements of paragraphs (b) and (c) of this section, the following rules must be satisfied:

(1) Each boulder must be secured individually with at least two chain tiedowns placed transversely across the vehicle.

(2) The aggregate working load limit of the tiedowns must be at least half the weight of the boulder.

(3) The tiedowns must be placed as closely as possible to the wood blocking used to support the boulder.

(e) *Securement of a non-cubic shaped boulder—with a stable base.* In addition to the requirements of paragraphs (b) and (c) of this section, the following rules must be satisfied:

(1) The boulder must be secured individually with at least two chain tiedowns forming an “X” pattern over the boulder.

(2) The aggregate working load limit of the tiedowns must be at least half the weight of the boulder.

(3) The tiedowns must pass over the center of the boulder and must be attached to each other at the intersection by a shackle or other connecting device.

(f) *Securement of a non-cubic shaped boulder—with an unstable base.* In addition to the requirements of paragraphs (b) and (c) of this section, each boulder must be secured by a combination of chain tiedowns as follows:

(1) One chain must surround the top of the boulder (at a point between one-half and two-thirds of its height). The working load limit of the chain must be at least half the weight of the boulder.

(2) Four chains must be attached to the surrounding chain and the vehicle to form a blocking mechanism which prevents any horizontal movement. Each chain must have a working load limit of at least one-fourth the weight of the boulder. Whenever practicable,

the angle of the chains must not exceed 45 degrees from the horizontal.

Subpart J—Frames, Cab and Body Components, Wheels, Steering, and Suspension Systems

SOURCE: 53 FR 49402, Dec. 7, 1988, unless otherwise noted.

§ 393.201 Frames.

(a) The frame or chassis of each commercial motor vehicle shall not be cracked, loose, sagging or broken.

(b) Bolts or brackets securing the cab or the body of the vehicle to the frame must not be loose, broken, or missing.

(c) The frame rail flanges between the axles shall not be bent, cut or notched, except as specified by the manufacturer.

(d) Parts and accessories shall not be welded to the frame or chassis of a commercial motor vehicle except in accordance with the vehicle manufacturer’s recommendations. Any welded repair of the frame must also be in accordance with the vehicle manufacturer’s recommendations.

(e) No holes shall be drilled in the top or bottom rail flanges, except as specified by the manufacturer.

[53 FR 49402, Dec. 7, 1988, as amended at 70 FR 48055, Aug. 15, 2005]

§ 393.203 Cab and body components.

(a) The cab compartment doors or door parts used as an entrance or exit shall not be missing or broken. Doors shall not sag so that they cannot be properly opened or closed. No door shall be wired shut or otherwise secured in the closed position so that it cannot be readily opened. EXCEPTION: When the vehicle is loaded with pipe or bar stock that blocks the door and the cab has a roof exit.

(b) Bolts or brackets securing the cab or the body of the vehicle to the frame shall not be loose, broken, or missing.

(c) The hood must be securely fastened.

(d) All seats must be securely mounted.

(e) The front bumper must not be missing, loosely attached, or protruding beyond the confines of the vehicle so as to create a hazard.

§ 393.205 Wheels.

- (a) Wheels and rims shall not be cracked or broken.
- (b) Stud or bolt holes on the wheels shall not be elongated (out of round).
- (c) Nuts or bolts shall not be missing or loose.

§ 393.207 Suspension systems.

- (a) *Axles.* No axle positioning part shall be cracked, broken, loose or missing. All axles must be in proper alignment.
- (b) *Adjustable axles.* Adjustable axle assemblies shall not have locking pins missing or disengaged.
- (c) *Leaf springs.* No leaf spring shall be cracked, broken, or missing nor shifted out of position.
- (d) *Coil springs.* No coil spring shall be cracked or broken.
- (e) *Torsion bar.* No torsion bar or torsion bar suspension shall be cracked or broken.
- (f) *Air suspensions.* The air pressure regulator valve shall not allow air into the suspension system until at least 55 psi is in the braking system. The vehicle shall be level (not tilting to the left or right). Air leakage shall not be

greater than 3 psi in a 5-minute time period when the vehicle's air pressure gauge shows normal operating pressure.

(g) *Air suspension exhaust controls.* The air suspension exhaust controls must not have the capability to exhaust air from the suspension system of one axle of a two-axle air suspension trailer unless the controls are either located on the trailer, or the power unit and trailer combination are not capable of traveling at a speed greater than 10 miles per hour while the air is exhausted from the suspension system. This paragraph shall not be construed to prohibit—

- (1) Devices that could exhaust air from both axle systems simultaneously; or
- (2) Lift axles on multi-axle units.

[53 FR 49402, Dec. 7, 1988, as amended at 70 FR 48055, Aug. 15, 2005]

§ 393.209 Steering wheel systems.

- (a) The steering wheel shall be secured and must not have any spokes cracked through or missing.
- (b) *Steering wheel lash.* (1) The steering wheel lash shall not exceed the following parameters:

Steering wheel diameter	Manual steering system	Power steering system
406 mm or less (16 inches or less)	51 mm (2 inches)	108 mm (4¼ inches).
457 mm (18 inches)	57 mm (2¼ inches)	121 mm (4¾ inches).
483 mm (19 inches)	60 mm (2⅝ inches)	127 mm (5 inches).
508 mm (20 inches)	64 mm (2½ inches)	133 mm (5¼ inches).
533 mm (21 inches)	67 mm (2⅝ inches)	140 mm (5½ inches).
559 mm (22 inches)	70 mm (2¾ inches)	146 mm (5¾ inches).

(2) For steering wheel diameters not listed in paragraph (b)(1) of this section the steering wheel lash shall not exceed 14 degrees angular rotation for manual steering systems, and 30 degrees angular rotation for power steering systems.

(c) *Steering column.* The steering column must be securely fastened.

(d) *Steering system.* Universal joints and ball-and-socket joints shall not be worn, faulty or repaired by welding. The steering gear box shall not have loose or missing mounting bolts or cracks in the gear box or mounting brackets. The pitman arm on the steering gear output shaft shall not be loose. Steering wheels shall turn freely

through the limit of travel in both directions.

(e) *Power steering systems.* All components of the power system must be in operating condition. No parts shall be loose or broken. Belts shall not be frayed, cracked or slipping. The system shall not leak. The power steering system shall have sufficient fluid in the reservoir.

[53 FR 49402, Dec. 7, 1988, as amended at 70 FR 48055, Aug. 15, 2005]

PART 394 [RESERVED]

PART 395—HOURS OF SERVICE OF DRIVERS

Sec.

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395.15 Automatic on-board recording devices.

AUTHORITY: 49 U.S.C. 504, 14122, 31133, 31136, and 31502; sec. 113, Pub. L. 103–311, 108 Stat. 1673, 1676; and 49 CFR 1.73.

SOURCE: 33 FR 19758, Dec. 25, 1968, unless otherwise noted.

EDITORIAL NOTE: Nomenclature changes to part 395 appear at 66 FR 49874, Oct. 1, 2001.

§ 395.0 Rescission.

Any regulations on hours of service of drivers in effect before April 28, 2003, which were amended or replaced by the final rule adopted on April 28, 2003 [69 FR 22456] are rescinded and not in effect.

70 FR 50071, Aug. 25, 2005]

§ 395.1 Scope of rules in this part.

(a) *General.* (1) The rules in this part apply to all motor carriers and drivers, except as provided in paragraphs (b) through (o) of this section.

(2) The exceptions from Federal requirements contained in paragraphs (1) through (n) do not preempt State laws and regulations governing the safe operation of commercial motor vehicles.

(b) *Adverse driving conditions.* (1) Except as provided in paragraph (h)(2) of this section, a driver who encounters adverse driving conditions, as defined in § 395.2, and cannot, because of those conditions, safely complete the run within the maximum driving time permitted by §§ 395.3(a) or 395.5(a) may drive and be permitted or required to drive a commercial motor vehicle for not more than 2 additional hours in order to complete that run or to reach a place offering safety for the occupants of the commercial motor vehicle and security for the commercial motor

vehicle and its cargo. However, that driver may not drive or be permitted to drive—

(i) For more than 13 hours in the aggregate following 10 consecutive hours off duty for drivers of property-carrying commercial motor vehicles;

(ii) After the end of the 14th hour since coming on duty following 10 consecutive hours off duty for drivers of property-carrying commercial motor vehicles;

(iii) For more than 12 hours in the aggregate following 8 consecutive hours off duty for drivers of passenger-carrying commercial motor vehicles; or

(iv) After he/she has been on duty 15 hours following 8 consecutive hours off duty for drivers of passenger-carrying commercial motor vehicles.

(2) *Emergency conditions.* In case of any emergency, a driver may complete his/her run without being in violation of the provisions of the regulations in this part, if such run reasonably could have been completed absent the emergency.

(c) *Driver-salesperson.* The provisions of § 395.3(b) shall not apply to any driver-salesperson whose total driving time does not exceed 40 hours in any period of 7 consecutive days.

(d) *Oilfield operations.* (1) In the instance of drivers of commercial motor vehicles used exclusively in the transportation of oilfield equipment, including the stringing and picking up of pipe used in pipelines, and servicing of the field operations of the natural gas and oil industry, any period of 8 consecutive days may end with the beginning of any off-duty period of 24 or more successive hours.

(2) In the case of specially trained drivers of commercial motor vehicles which are specially constructed to service oil wells, on-duty time shall not include waiting time at a natural gas or oil well site; *provided*, that all such time shall be fully and accurately accounted for in records to be maintained by the motor carrier. Such records shall be made available upon request of the Federal Motor Carrier Safety Administration.

(e) *Short-haul operations*—(1) *100 air-mile radius driver.* A driver is exempt from the requirements of § 395.8 if:

(i) The driver operates within a 100 air-mile radius of the normal work reporting location;

(ii) The driver, except a driver-salesperson, returns to the work reporting location and is released from work within 12 consecutive hours;

(iii)(A) A property-carrying commercial motor vehicle driver has at least 10 consecutive hours off duty separating each 12 hours on duty;

(B) A passenger-carrying commercial motor vehicle driver has at least 8 consecutive hours off duty separating each 12 hours on duty;

(iv)(A) A property-carrying commercial motor vehicle driver does not exceed 11 hours maximum driving time following 10 consecutive hours off duty; or

(B) A passenger-carrying commercial motor vehicle driver does not exceed 10 hours maximum driving time following 8 consecutive hours off duty; and

(v) The motor carrier that employs the driver maintains and retains for a period of 6 months accurate and true time records showing:

(A) The time the driver reports for duty each day;

(B) The total number of hours the driver is on duty each day;

(C) The time the driver is released from duty each day; and

(D) The total time for the preceding 7 days in accordance with § 395.8(j)(2) for drivers used for the first time or intermittently.

(2) *Operators of property-carrying commercial motor vehicles not requiring a commercial driver's license.* Except as provided in this paragraph, a driver is exempt from the requirements of § 395.3 and § 395.8 and ineligible to use the provisions of § 395.1(e)(1), (g) and (o) if:

(i) The driver operates a property-carrying commercial motor vehicle for which a commercial driver's license is not required under part 383 of this subchapter;

(ii) The driver operates within a 150 air-mile radius of the location where the driver reports to and is released from work, *i.e.*, the normal work reporting location;

(iii) The driver returns to the normal work reporting location at the end of each duty tour;

(iv) The driver has at least 10 consecutive hours off duty separating each on-duty period;

(v) The driver does not drive more than 11 hours following at least 10 consecutive hours off duty;

(vi) The driver does not drive:

(A) After the 14th hour after coming on duty on 5 days of any period of 7 consecutive days; and

(B) After the 16th hour after coming on duty on 2 days of any period of 7 consecutive days;

(vii) The driver does not drive:

(A) After having been on duty for 60 hours in 7 consecutive days if the employing motor carrier does not operate commercial motor vehicles every day of the week;

(B) After having been on duty for 70 hours in 8 consecutive days if the employing motor carrier operates commercial motor vehicles every day of the week;

(viii) Any period of 7 or 8 consecutive days may end with the beginning of any off-duty period of 34 or more consecutive hours.

(ix) The motor carrier that employs the driver maintains and retains for a period of 6 months accurate and true time records showing:

(A) The time the driver reports for duty each day;

(B) The total number of hours the driver is on duty each day;

(C) The time the driver is released from duty each day;

(D) The total time for the preceding 7 days in accordance with § 395.8(j)(2) for drivers used for the first time or intermittently.

(f) *Retail store deliveries.* The provisions of § 395.3 (a) and (b) shall not apply with respect to drivers of commercial motor vehicles engaged solely in making local deliveries from retail stores and/or retail catalog businesses to the ultimate consumer, when driving solely within a 100-air mile radius of the driver's work-reporting location, during the period from December 10 to December 25, both inclusive, of each year.

(g) *Sleeper berths*—(1) *Property-carrying commercial motor vehicle*—(i) *In General.* A driver who operates a property-carrying commercial motor vehicle equipped with a sleeper berth, as

defined in §§ 395.2 and 393.76 of this subchapter, (A) Must, before driving, accumulate

(1) At least 10 consecutive hours off duty;

(2) At least 10 consecutive hours of sleeper-berth time;

(3) A combination of consecutive sleeper-berth and off-duty time amounting to at least 10 hours; or

(4) The equivalent of at least 10 consecutive hours off duty if the driver does not comply with paragraph (g)(1)(i)(A)(1), (2), or (3) of this section;

(B) May not drive more than 11 hours following one of the 10-hour off-duty periods specified in paragraph (g)(1)(i)(A)(1) through (4) of this section; and

(C) May not drive after the 14th hour after coming on duty following one of the 10-hour off-duty periods specified in paragraph (g)(1)(i)(A)(1) through (4) of this section; and

(D) Must exclude from the calculation of the 14-hour limit any sleeper berth period of at least 8 but less than 10 consecutive hours.

(ii) *Specific requirements.*—The following rules apply in determining compliance with paragraph (g)(1)(i) of this section:

(A) The term “equivalent of at least 10 consecutive hours off duty” means a period of (1) At least 8 but less than 10 consecutive hours in a sleeper berth, and

(2) A separate period of at least 2 but less than 10 consecutive hours either in the sleeper berth or off duty, or any combination thereof.

(B) Calculation of the 11-hour driving limit includes all driving time; compliance must be re-calculated from the end of the first of the two periods used to comply with paragraph (g)(1)(ii)(A) of this section.

(C) Calculation of the 14-hour limit includes all time except any sleeper-berth period of at least 8 but less than 10 consecutive hours; compliance must be re-calculated from the end of the first of the two periods used to comply with the requirements of paragraph (g)(1)(ii)(A) of this section.

(2) *Specially trained driver of a specially constructed oil well servicing commercial motor vehicle at a natural gas or oil well location.* A specially trained

driver who operates a commercial motor vehicle specially constructed to service natural gas or oil wells that is equipped with a sleeper berth, as defined in §§ 395.2 and 393.76 of this subchapter, or who is off duty at a natural gas or oil well location, may accumulate the equivalent of 10 consecutive hours off duty time by taking a combination of at least 10 consecutive hours of off-duty time, sleeper-berth time, or time in other sleeping accommodations at a natural gas or oil well location; or by taking two periods of rest in a sleeper berth, or other sleeping accommodation at a natural gas or oil well location, providing:

(i) Neither rest period is shorter than 2 hours;

(ii) The driving time in the period immediately before and after each rest period, when added together, does not exceed 11 hours;

(iii) The driver does not drive after the 14th hour after coming on duty following 10 hours off duty, where the 14th hour is calculated:

(A) By excluding any sleeper berth or other sleeping accommodation period of at least 2 hours which, when added to a subsequent sleeper berth or other sleeping accommodation period, totals at least 10 hours, and

(B) By including all on-duty time, all off-duty time not spent in the sleeper berth or other sleeping accommodations, all such periods of less than 2 hours, and any period not described in paragraph (g)(2)(iii)(A) of this section; and

(iv) The driver may not return to driving subject to the normal limits under § 395.3 without taking at least 10 consecutive hours off duty, at least 10 consecutive hours in the sleeper berth or other sleeping accommodations, or a combination of at least 10 consecutive hours off duty, sleeper berth time, or time in other sleeping accommodations.

(3) *Passenger-carrying commercial motor vehicles.* A driver who is driving a passenger-carrying commercial motor vehicle that is equipped with a sleeper berth, as defined in §§ 395.2 and 393.76 of this subchapter, may accumulate the equivalent of 8 consecutive hours of off-duty time by taking a combination of at least 8 consecutive hours

off-duty and sleeper berth time; or by taking two periods of rest in the sleeper berth, providing:

(h) *State of Alaska*—(1) *Property-carrying commercial motor vehicle*. The provisions of §395.3(a) and (b) do not apply to any driver who is driving a commercial motor vehicle in the State of Alaska. A driver who is driving a property-carrying commercial motor vehicle in the State of Alaska must not drive or be required or permitted to drive—

(i) More than 15 hours following 10 consecutive hours off duty; or

(ii) After being on duty for 20 hours or more following 10 consecutive hours off duty.

(iii) After having been on duty for 70 hours in any period of 7 consecutive days, if the motor carrier for which the driver drives does not operate every day in the week; or

(iv) After having been on duty for 80 hours in any period of 8 consecutive days, if the motor carrier for which the driver drives operates every day in the week.

(2) *Passenger-carrying commercial motor vehicle*. The provisions of §395.5 do not apply to any driver who is driving a passenger-carrying commercial motor vehicle in the State of Alaska. A driver who is driving a passenger-carrying commercial motor vehicle in the State of Alaska must not drive or be required or permitted to drive—

(i) More than 15 hours following 8 consecutive hours off duty;

(ii) After being on duty for 20 hours or more following 8 consecutive hours off duty;

(iii) After having been on duty for 70 hours in any period of 7 consecutive days, if the motor carrier for which the driver drives does not operate every day in the week; or

(iv) After having been on duty for 80 hours in any period of 8 consecutive days, if the motor carrier for which the driver drives operates every day in the week.

(3) A driver who is driving a commercial motor vehicle in the State of Alaska and who encounters adverse driving conditions (as defined in §395.2) may drive and be permitted or required to drive a commercial motor vehicle for the period of time needed to complete the run.

(i) After a property-carrying commercial motor vehicle driver completes the run, that driver must be off duty for at least 10 consecutive hours before he/she drives again; and

(ii) After a passenger-carrying commercial motor vehicle driver completes the run, that driver must be off duty for at least 8 consecutive hours before he/she drives again.

(i) *State of Hawaii*. The rules in §395.8 do not apply to a driver who drives a commercial motor vehicle in the State of Hawaii, if the motor carrier who employs the driver maintains and retains for a period of 6 months accurate and true records showing—

(1) The total number of hours the driver is on duty each day; and

(2) The time at which the driver reports for, and is released from, duty each day.

(j) *Travel time*—(1) When a property-carrying commercial motor vehicle driver at the direction of the motor carrier is traveling, but not driving or assuming any other responsibility to the carrier, such time must be counted as on-duty time unless the driver is afforded at least 10 consecutive hours off duty when arriving at destination, in which case he/she must be considered off duty for the entire period.

(2) When a passenger-carrying commercial motor vehicle driver at the direction of the motor carrier is traveling, but not driving or assuming any other responsibility to the carrier, such time must be counted as on-duty time unless the driver is afforded at least 8 consecutive hours off duty when arriving at destination, in which case he/she must be considered off duty for the entire period.

(k) *Agricultural operations*. The provisions of this part shall not apply to drivers transporting agricultural commodities or farm supplies for agricultural purposes in a State if such transportation:

(1) Is limited to an area within a 100 air-mile radius from the source of the commodities or the distribution point for the farm supplies, and

(2) Is conducted during the planting and harvesting seasons within such State, as determined by the State.

(l) *Ground water well drilling operations*. In the instance of a driver of a

commercial motor vehicle who is used primarily in the transportation and operations of a ground water well drilling rig, any period of 7 or 8 consecutive days may end with the beginning of any off-duty period of 24 or more successive hours.

(m) Construction materials and equipment. In the instance of a driver of a commercial motor vehicle who is used primarily in the transportation of construction materials and equipment, any period of 7 or 8 consecutive days may end with the beginning of any off-duty period of 24 or more successive hours.

(n) *Utility service vehicles.* In the instance of a driver of a utility service vehicle, any period of 7 or 8 consecutive days may end with the beginning of any off-duty period of 24 or more successive hours.

(o) *Property-carrying driver.* A property-carrying driver is exempt from the requirements of § 395.3(a)(2) if:

(1) The driver has returned to the driver's normal work reporting location and the carrier released the driver from duty at that location for the previous five duty tours the driver has worked;

(2) The driver has returned to the normal work reporting location and the carrier releases the driver from duty within 16 hours after coming on duty following 10 consecutive hours off duty; and

(3) The driver has not taken this exemption within the previous 6 consecutive days, except when the driver has begun a new 7- or 8-consecutive day period with the beginning of any off-duty period of 34 or more consecutive hours as allowed by § 395.3(c).

[57 FR 33647, July 30, 1992, as amended at 58 FR 33777, June 21, 1993; 60 FR 38748, July 28, 1995; 61 FR 14679, Apr. 3, 1996; 63 FR 33279, June 18, 1998; 68 FR 22515, Apr. 28, 2003; 68 FR 56211, Sept. 30, 2003; 70 FR 50071, Aug. 25, 2005]

§ 395.2 Definitions.

As used in this part, the following words and terms are construed to mean:

Adverse driving conditions means snow, sleet, fog, other adverse weather conditions, a highway covered with snow or ice, or unusual road and traffic conditions, none of which were appar-

ent on the basis of information known to the person dispatching the run at the time it was begun.

Automatic on-board recording device means an electric, electronic, electromechanical, or mechanical device capable of recording driver's duty status information accurately and automatically as required by § 395.15. The device must be integrally synchronized with specific operations of the commercial motor vehicle in which it is installed. At a minimum, the device must record engine use, road speed, miles driven, the date, and time of day.

Driver-salesperson means any employee who is employed solely as such by a private carrier of property by commercial motor vehicle, who is engaged both in selling goods, services, or the use of goods, and in delivering by commercial motor vehicle the goods sold or provided or upon which the services are performed, who does so entirely within a radius of 100 miles of the point at which he/she reports for duty, who devotes not more than 50 percent of his/her hours on duty to driving time. The term *selling goods* for purposes of this section shall include in all cases solicitation or obtaining of reorders or new accounts, and may also include other selling or merchandising activities designed to retain the customer or to increase the sale of goods or services, in addition to solicitation or obtaining of reorders or new accounts.

Driving time means all time spent at the driving controls of a commercial motor vehicle in operation.

Eight consecutive days means the period of 8 consecutive days beginning on any day at the time designated by the motor carrier for a 24-hour period.

Ground water well drilling rig means any vehicle, machine, tractor, trailer, semi-trailer, or specialized mobile equipment propelled or drawn by mechanical power and used on highways to transport water well field operating equipment, including water well drilling and pump service rigs equipped to access ground water.

Multiple stops means all stops made in any one village, town, or city may be computed as one.

On duty time means all time from the time a driver begins to work or is required to be in readiness to work until the time the driver is relieved from work and all responsibility for performing work. *On duty time* shall include:

(1) All time at a plant, terminal, facility, or other property of a motor carrier or shipper, or on any public property, waiting to be dispatched, unless the driver has been relieved from duty by the motor carrier;

(2) All time inspecting, servicing, or conditioning any commercial motor vehicle at any time;

(3) All driving time as defined in the term *driving time*;

(4) All time, other than *driving time*, in or upon any commercial motor vehicle except time spent resting in a *sleeper berth*;

(5) All time loading or unloading a commercial motor vehicle, supervising, or assisting in the loading or unloading, attending a commercial motor vehicle being loaded or unloaded, remaining in readiness to operate the commercial motor vehicle, or in giving or receiving receipts for shipments loaded or unloaded;

(6) All time repairing, obtaining assistance, or remaining in attendance upon a disabled commercial motor vehicle;

(7) All time spent providing a breath sample or urine specimen, including travel time to and from the collection site, in order to comply with the random, reasonable suspicion, post-accident, or follow-up testing required by part 382 of this subchapter when directed by a motor carrier;

(8) Performing any other work in the capacity, employ, or service of a motor carrier; and

(9) Performing any compensated work for a person who is not a motor carrier.

Seven consecutive days means the period of 7 consecutive days beginning on any day at the time designated by the motor carrier for a 24-hour period.

Sleeper berth means a berth conforming to the requirements of §393.76 of this chapter.

Transportation of construction materials and equipment means the transportation of construction and pavement

materials, construction equipment, and construction maintenance vehicles, by a driver to or from an active construction site (a construction site between mobilization of equipment and materials to the site to the final completion of the construction project) within a 50 air mile radius of the normal work reporting location of the driver. This paragraph does not apply to the transportation of material found by the Secretary to be hazardous under 49 U.S.C. 5103 in a quantity requiring placarding under regulations issued to carry out such section.

Twenty-four-hour period means any 24-consecutive-hour period beginning at the time designated by the motor carrier for the terminal from which the driver is normally dispatched.

Utility service vehicle means any commercial motor vehicle:

(1) Used in the furtherance of repairing, maintaining, or operating any structures or any other physical facilities necessary for the delivery of public utility services, including the furnishing of electric, gas, water, sanitary sewer, telephone, and television cable or community antenna service;

(2) While engaged in any activity necessarily related to the ultimate delivery of such public utility services to consumers, including travel or movement to, from, upon, or between activity sites (including occasional travel or movement outside the service area necessitated by any utility emergency as determined by the utility provider); and

(3) Except for any occasional emergency use, operated primarily within the service area of a utility's subscribers or consumers, without regard to whether the vehicle is owned, leased, or rented by the utility.

[57 FR 33648, July 30, 1992, as amended at 59 FR 7515, Feb. 15, 1994; 59 FR 60324, Nov. 23, 1994; 60 FR 38748, July 28, 1995; 61 FR 14679, Apr. 3, 1996; 63 FR 33279, June 18, 1998]

§395.3 Maximum driving time for property-carrying vehicles.

Subject to the exceptions and exemptions in §395.1:

(a) No motor carrier shall permit or require any driver used by it to drive a property-carrying commercial motor vehicle, nor shall any such driver drive

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a property-carrying commercial motor vehicle:

(1) More than 11 cumulative hours following 10 consecutive hours off duty; or

(2) For any period after the end of the 14th hour after coming on duty following 10 consecutive hours off duty, except when a property-carrying driver complies with the provisions of § 395.1(o) or § 395.1(e)(2).

(b) No motor carrier shall permit or require a driver of a property-carrying commercial motor vehicle to drive, nor shall any driver drive a property-carrying commercial motor vehicle, regardless of the number of motor carriers using the driver's services, for any period after—

(1) Having been on duty 60 hours in any period of 7 consecutive days if the employing motor carrier does not operate commercial motor vehicles every day of the week; or

(2) Having been on duty 70 hours in any period of 8 consecutive days if the employing motor carrier operates commercial motor vehicles every day of the week.

(c)(1) Any period of 7 consecutive days may end with the beginning of any off-duty period of 34 or more consecutive hours; or

(2) Any period of 8 consecutive days may end with the beginning of any off-duty period of 34 or more consecutive hours.

[70 FR 50073, Aug. 25, 2005]

§ 395.5 Maximum driving time for passenger-carrying vehicles.

Subject to the exceptions and exemptions in § 395.1:

(a) No motor carrier shall permit or require any driver used by it to drive a passenger-carrying commercial motor vehicle, nor shall any such driver drive a passenger-carrying commercial motor vehicle:

(1) More than 10 hours following 8 consecutive hours off duty; or

(2) For any period after having been on duty 15 hours following 8 consecutive hours off duty.

(b) No motor carrier shall permit or require a driver of a passenger-carrying commercial motor vehicle to drive, nor shall any driver drive a passenger-carrying commercial motor vehicle, re-

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gardless of the number of motor carriers using the driver's services, for any period after—

(1) Having been on duty 60 hours in any 7 consecutive days if the employing motor carrier does not operate commercial motor vehicles every day of the week; or

(2) Having been on duty 70 hours in any period of 8 consecutive days if the employing motor carrier operates commercial motor vehicles every day of the week.

[70 FR 50073, Aug. 25, 2005]

§ 395.7 [Reserved]

§ 395.8 Driver's record of duty status.

(a) Except for a private motor carrier of passengers (nonbusiness), every motor carrier shall require every driver used by the motor carrier to record his/her duty status for each 24 hour period using the methods prescribed in either paragraph (a)(1) or (2) of this section.

(1) Every driver who operates a commercial motor vehicle shall record his/her duty status, in duplicate, for each 24-hour period. The duty status time shall be recorded on a specified grid, as shown in paragraph (g) of this section. The grid and the requirements of paragraph (d) of this section may be combined with any company forms. The previously approved format of the Daily Log, Form MCS-59 or the Multi-day Log, MCS-139 and 139A, which meets the requirements of this section, may continue to be used.

(2) Every driver who operates a commercial motor vehicle shall record his/her duty status by using an automatic on-board recording device that meets the requirements of § 395.15 of this part. The requirements of § 395.8 shall not apply, except paragraphs (e) and (k) (1) and (2) of this section.

(b) The duty status shall be recorded as follows:

(1) "Off duty" or "OFF."

(2) "Sleeper berth" or "SB" (only if a sleeper berth used).

(3) "Driving" or "D."

(4) "On-duty not driving" or "ON."

(c) For each change of duty status (e.g., the place of reporting for work, starting to drive, on-duty not driving and where released from work), the

name of the city, town, or village, with State abbreviation, shall be recorded.

NOTE: If a change of duty status occurs at a location other than a city, town, or village, show one of the following: (1) The highway number and nearest milepost followed by the name of the nearest city, town, or village and State abbreviation, (2) the highway number and the name of the service plaza followed by the name of the nearest city, town, or village and State abbreviation, or (3) the highway numbers of the nearest two intersecting roadways followed by the name of the nearest city, town, or village and State abbreviation.

(d) The following information must be included on the form in addition to the grid:

- (1) Date;
- (2) Total miles driving today;
- (3) Truck or tractor and trailer number;
- (4) Name of carrier;
- (5) Driver's signature/certification;
- (6) 24-hour period starting time (e.g. midnight, 9:00 a.m., noon, 3:00 p.m.);
- (7) Main office address;
- (8) Remarks;
- (9) Name of co-driver;
- (10) Total hours (far right edge of grid);
- (11) Shipping document number(s), or name of shipper and commodity;

(e) Failure to complete the record of duty activities of this section or §395.15, failure to preserve a record of such duty activities, or making of false reports in connection with such duty activities shall make the driver and/or the carrier liable to prosecution.

(f) The driver's activities shall be recorded in accordance with the following provisions:

(1) *Entries to be current.* Drivers shall keep their records of duty status current to the time shown for the last change of duty status.

(2) *Entries made by driver only.* All entries relating to driver's duty status must be legible and in the driver's own handwriting.

(3) *Date.* The month, day and year for the beginning of each 24-hour period shall be shown on the form containing the driver's duty status record.

(4) *Total miles driving today.* Total mileage driven during the 24-hour period shall be recorded on the form containing the driver's duty status record.

(5) *Commercial motor vehicle identification.* The driver shall show the number assigned by the motor carrier, or the license number and licensing State of each commercial motor vehicle operated during each 24-hour period on his/her record of duty status. The driver of an articulated (combination) commercial motor vehicle shall show the number assigned by the motor carrier, or the license number and licensing State of each motor vehicle used in each commercial motor vehicle combination operated during that 24-hour period on his/her record of duty status.

(6) *Name of motor carrier.* The name(s) of the motor carrier(s) for which work is performed shall be shown on the form containing the driver's record of duty status. When work is performed for more than one motor carrier during the same 24-hour period, the beginning and finishing time, showing a.m. or p.m., worked for each motor carrier shall be shown after each motor carrier's name. Drivers of leased commercial motor vehicles shall show the name of the motor carrier performing the transportation.

(7) *Signature/certification.* The driver shall certify to the correctness of all entries by signing the form containing the driver's duty status record with his/her legal name or name of record. The driver's signature certifies that all entries required by this section made by the driver are true and correct.

(8) *Time base to be used.* (i) The driver's duty status record shall be prepared, maintained, and submitted using the time standard in effect at the driver's home terminal, for a 24-hour period beginning with the time specified by the motor carrier for that driver's home terminal.

(ii) The term "7 or 8 consecutive days" means the 7 or 8 consecutive 24-hour periods as designated by the carrier for the driver's home terminal.

(iii) The 24-hour period starting time must be identified on the driver's duty status record. One-hour increments must appear on the graph, be identified, and preprinted. The words "Midnight" and "Noon" must appear above or beside the appropriate one-hour increment.

(9) *Main office address.* The motor carrier's main office address shall be

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shown on the form containing the driver's duty status record.

(10) *Recording days off duty.* Two or more consecutive 24-hour periods off duty may be recorded on one duty status record.

(11) *Total hours.* The total hours in each duty status: ff duty other than in a sleeper berth; off duty in a sleeper berth; driving, and on duty not driving, shall be entered to the right of the

grid, the total of such entries shall equal 24 hours.

(12) *Shipping document number(s) or name of shipper and commodity* shall be shown on the driver's record of duty status.

(g) *Graph grid.* The following graph grid must be incorporated into a motor carrier recordkeeping system which must also contain the information required in paragraph (d) of this section.

Graph Grid - Horizontally

	OFF DUTY	SLEEPER BERTH	DRIVING	ON DUTY (not driving)	REMARKS

Graph Grid - Vertically

	OFF DUTY	SLEEPER BERTH	DRIVING	ON DUTY (not driving)	REMARKS

(h) *Graph grid preparation.* The graph grid may be used horizontally or vertically and shall be completed as follows:

(1) *Off duty.* Except for time spent resting in a sleeper berth, a continuous line shall be drawn between the appropriate time markers to record the period(s) of time when the driver is not on duty, is not required to be in readiness to work, or is not under any responsibility for performing work.

(2) *Sleeper berth.* A continuous line shall be drawn between the appropriate time markers to record the period(s) of time off duty resting in a sleeper berth, as defined in §395.2. (If a non-sleeper berth operation, sleeper berth need not be shown on the grid.)

(3) *Driving.* A continuous line shall be drawn between the appropriate time markers to record the period(s) of driving time, as defined in §395.2.

(4) *On duty not driving.* A continuous line shall be drawn between the appropriate time markers to record the period(s) of time on duty not driving specified in §395.2.

(5) *Location—remarks.* The name of the city, town, or village, with State abbreviation where each change of duty status occurs shall be recorded.

NOTE: If a change of duty status occurs at a location other than a city, town, or village, show one of the following: (1) The highway number and nearest milepost followed by the name of the nearest city, town, or village and State abbreviation, (2) the highway number and the name of the service plaza followed by the name of the nearest city, town, or village and State abbreviation, or (3) the highway numbers of the nearest two intersecting roadways followed by the name of the nearest city, town, or village and State abbreviation.

(i) *Filing driver's record of duty status.* The driver shall submit or forward by mail the original driver's record of duty status to the regular employing motor carrier within 13 days following the completion of the form.

(j) *Drivers used by more than one motor carrier.* (1) When the services of a driver are used by more than one motor carrier during any 24-hour period in effect at the driver's home terminal, the driver shall submit a copy of the record of duty status to each motor carrier. The record shall include:

(i) All duty time for the entire 24-hour period;

(ii) The name of each motor carrier served by the driver during that period; and

(iii) The beginning and finishing time, including a.m. or p.m., worked for each carrier.

(2) Motor carriers, when using a driver for the first time or intermittently, shall obtain from the driver a signed statement giving the total time on duty during the immediately preceding 7 days and the time at which the driver was last relieved from duty prior to beginning work for the motor carriers.

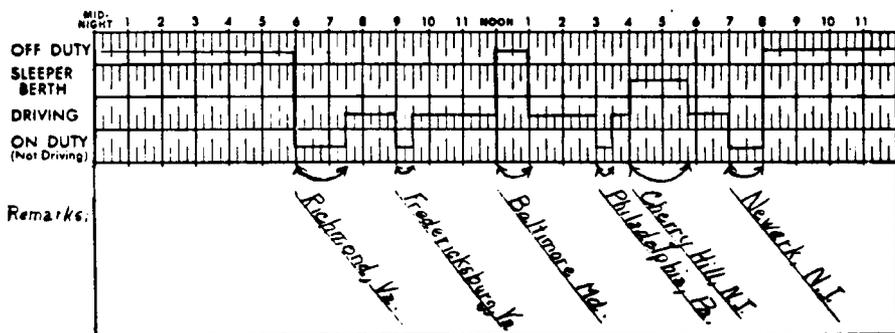
(k) *Retention of driver's record of duty status.* (1) Each motor carrier shall maintain records of duty status and all supporting documents for each driver it employs for a period of six months from the date of receipt.

(2) The driver shall retain a copy of each record of duty status for the previous 7 consecutive days which shall be in his/her possession and available for inspection while on duty.

NOTE: Driver's Record of Duty Status.

The graph grid, when incorporated as part of any form used by a motor carrier, must be of sufficient size to be legible.

The following executed specimen grid illustrates how a driver's duty status should be recorded for a trip from Richmond, Virginia, to Newark, New Jersey. The grid reflects the midnight to midnight 24 hour period.



Graph Grid (Midnight to Midnight Operation)

The driver in this instance reported for duty at the motor carrier's terminal. The driver reported for work at 6 a.m., helped load, checked with dispatch, made a pretrip inspection, and performed other duties until 7:30 a.m. when the driver began driving. At 9 a.m. the driver had a minor accident in Fredericksburg, Virginia, and spent one half hour handling details with the local police. The driver arrived at the company's Baltimore, Maryland, terminal at noon and went to lunch while minor repairs were made to the tractor. At 1 p.m. the driver resumed the trip and made a delivery in Philadelphia, Pennsylvania, between 3 p.m. and 3:30 p.m. at which time the driver started driving again. Upon arrival at Cherry Hill, New Jersey, at 4 p.m., the driver entered the sleeper berth for a rest break until 5:45 p.m. at which time the driver resumed driving again. At 7 p.m. the driver arrived at the company's terminal in Newark, New Jersey. Between 7 p.m. and 8 p.m. the driver prepared the required paperwork including completing the driver's record of duty status, driver vehicle inspection report, insurance report for the Fredericksburg, Virginia accident, checked for the next day's dispatch, etc. At 8 p.m., the driver went off duty.

(Approved by the Office of Management and Budget under control number 2125-0016)

[47 FR 53389, Nov. 26, 1982, as amended at 49 FR 38290, Sept. 28, 1984; 49 FR 46147, Nov. 23, 1984; 51 FR 12622, Apr. 14, 1986; 52 FR 41721, Oct. 30, 1987; 53 FR 18058, May 19, 1988; 53 FR 38670, Sept. 30, 1988; 57 FR 33649, July 30, 1992; 58 FR 33777, June 21, 1993; 59 FR 8753, Feb. 23, 1994; 60 FR 38748, July 28, 1995; 62 FR 16709, Apr. 8, 1997; 63 FR 33279, June 18, 1998]

§§ 395.10-395.12 [Reserved]

§395.13 Drivers declared out of service.

(a) *Authority to declare drivers out of service.* Every special agent of the Federal Motor Carrier Safety Administration (as defined in appendix B to this subchapter) is authorized to declare a driver out of service and to notify the motor carrier of that declaration, upon finding at the time and place of examination that the driver has violated the out of service criteria as set forth in paragraph (b) of this section.

(b) *Out of service criteria.* (1) No driver shall drive after being on duty in excess of the maximum periods permitted by this part.

(2) No driver required to maintain a record of duty status under §395.8 or §395.15 of this part shall fail to have a record of duty status current on the day of examination and for the prior seven consecutive days.

(3) *Exception.* A driver failing only to have possession of a record of duty status current on the day of examination and the prior day, but has completed records of duty status up to that time (previous 6 days), will be given the opportunity to make the duty status record current.

(c) *Responsibilities of motor carriers.* (1) No motor carrier shall:

(i) Require or permit a driver who has been declared out of service to operate a commercial motor vehicle until that driver may lawfully do so under the rules in this part.

(ii) Require a driver who has been declared out of service for failure to prepare a record of duty status to operate a commercial motor vehicle until that driver has been off duty for the appropriate number of consecutive hours required by this part and is in compliance with this section. The appropriate consecutive hours off-duty may include sleeper berth time.

(2) A motor carrier shall complete the "Motor Carrier Certification of Action Taken" portion of the form MCS-63 (Driver-Vehicle Examination Report) and deliver the copy of the form either personally or by mail to the Division Administrator or State Director Federal Motor Carrier Safety Administration, at the address specified upon the form within 15 days following the date of examination. If the motor carrier mails the form, delivery is made on the date it is postmarked.

(d) *Responsibilities of the driver.* (1) No driver who has been declared out of service shall operate a commercial motor vehicle until that driver may lawfully do so under the rules of this part.

(2) No driver who has been declared out of service, for failing to prepare a record of duty status, shall operate a commercial motor vehicle until the driver has been off duty for the appropriate number of consecutive hours required by this part and is in compliance with this section.

(3) A driver to whom a form has been tendered declaring the driver out of service shall within 24 hours thereafter deliver or mail the copy to a person or place designated by motor carrier to receive it.

(4) Section 395.13 does not alter the hazardous materials requirements prescribed in §397.5 pertaining to attendance and surveillance of commercial motor vehicles.

[44 FR 34963, June 18, 1979, as amended at 47 FR 53392, Nov. 26, 1982; 51 FR 12622, Apr. 14, 1986; 53 FR 18058, May 19, 1988; 53 FR 38670, Sept. 30, 1988; 53 FR 47544, Nov. 23, 1988; 60 FR 38748, July 28, 1995; 68 FR 22516, Apr. 28, 2003; 70 FR 50073, Aug. 25, 2005]

§ 395.15 Automatic on-board recording devices.

(a) *Authority to use automatic on-board recording device.* (1) A motor carrier

may require a driver to use an automatic on-board recording device to record the driver's hours of service in lieu of complying with the requirements of §395.8 of this part.

(2) Every driver required by a motor carrier to use an automatic on-board recording device shall use such device to record the driver's hours of service.

(b) *Information requirements.* (1) Automatic on-board recording devices shall produce, upon demand, a driver's hours of service chart, electronic display, or printout showing the time and sequence of duty status changes including the drivers' starting time at the beginning of each day.

(2) The device shall provide a means whereby authorized Federal, State, or local officials can immediately check the status of a driver's hours of service. This information may be used in conjunction with handwritten or printed records of duty status, for the previous 7 days.

(3) Support systems used in conjunction with on-board recorders at a driver's home terminal or the motor carrier's principal place of business must be capable of providing authorized Federal, State or local officials with summaries of an individual driver's hours of service records, including the information specified in §395.8(d) of this part. The support systems must also provide information concerning on-board system sensor failures and identification of edited data. Such support systems should meet the information interchange requirements of the American National Standard Code for Information Interchange (ANSII) (EIARS-232/CCITT V.24 port (National Bureau of Standards "Code for Information Interchange," FIPS PUB 1-1)).

(4) The driver shall have in his/her possession records of duty status for the previous 7 consecutive days available for inspection while on duty. These records shall consist of information stored in and retrievable from the automatic on-board recording device, handwritten records, computer generated records, or any combination thereof.

(5) All hard copies of the driver's record of duty status must be signed by

the driver. The driver's signature certifies that the information contained thereon is true and correct.

(c) The duty status and additional information shall be recorded as follows:

(1) "Off duty" or "OFF", or by an identifiable code or character;

(2) "Sleeper berth" or "SB" or by an identifiable code or character (only if the sleeper berth is used);

(3) "Driving" or "D", or by an identifiable code or character; and

(4) "On-duty not driving" or "ON", or by an identifiable code or character.

(5) Date;

(6) Total miles driving today;

(7) Truck or tractor and trailer number;

(8) Name of carrier;

(9) Main office address;

(10) 24-hour period starting time (e.g., midnight, 9:00 a.m., noon, 3:00 p.m.)

(11) Name of co-driver;

(12) Total hours; and

(13) Shipping document number(s), or name of shipper and commodity.

(d) *Location of duty status change.* (1) For each change of duty status (e.g., the place and time of reporting for work, starting to drive, on-duty not driving and where released from work), the name of the city, town, or village, with State abbreviation, shall be recorded.

(2) Motor carriers are permitted to use location codes in lieu of the requirements of paragraph (d)(1) of this section. A list of such codes showing all possible location identifiers shall be carried in the cab of the commercial motor vehicle and available at the motor carrier's principal place of business. Such lists shall be made available to an enforcement official on request.

(e) *Entries made by driver only.* If a driver is required to make written entries relating to the driver's duty status, such entries must be legible and in the driver's own handwriting.

(f) *Reconstruction of records of duty status.* Drivers are required to note any failure of automatic on-board recording devices, and to reconstruct the driver's record of duty status for the current day, and the past 7 days, less any days for which the drivers have records, and to continue to prepare a handwritten record of all subsequent

duty status until the device is again operational.

(g) *On-board information.* Each commercial motor vehicle must have on-board the commercial motor vehicle an information packet containing the following items:

(1) An instruction sheet describing in detail how data may be stored and retrieved from an automatic on-board recording system; and

(2) A supply of blank driver's records of duty status graph-grids sufficient to record the driver's duty status and other related information for the duration of the current trip.

(h) *Submission of driver's record of duty status.* (1) The driver shall submit, electronically or by mail, to the employing motor carrier, each record of the driver's duty status within 13 days following the completion of each record;

(2) The driver shall review and verify that all entries are accurate prior to submission to the employing motor carrier; and

(3) The submission of the record of duty status certifies that all entries made by the driver are true and correct.

(i) *Performance of recorders.* Motor carriers that use automatic on-board recording devices for recording their drivers' records of duty status in lieu of the handwritten record shall ensure that:

(1) A certificate is obtained from the manufacturer certifying that the design of the automatic on-board recorder has been sufficiently tested to meet the requirements of this section and under the conditions it will be used;

(2) The automatic on-board recording device permits duty status to be updated only when the commercial motor vehicle is at rest, except when registering the time a commercial motor vehicle crosses a State boundary;

(3) The automatic on-board recording device and associated support systems are, to the maximum extent practicable, tamperproof and do not permit altering of the information collected concerning the driver's hours of service;

(4) The automatic on-board recording device warns the driver visually and/or audibly that the device has ceased to

function. Devices installed and operational as of October 31, 1988, and authorized to be used in lieu of the handwritten record of duty status by the FMCSA are exempted from this requirement.

(5) Automatic on-board recording devices with electronic displays shall have the capability of displaying the following:

- (i) Driver's total hours of driving today;
- (ii) The total hours on duty today;
- (iii) Total miles driving today;
- (iv) Total hours on duty for the 7 consecutive day period, including today;
- (v) Total hours on duty for the prior 8 consecutive day period, including the present day; and
- (vi) The sequential changes in duty status and the times the changes occurred for each driver using the device.

(6) The on-board recorder is capable of recording separately each driver's duty status when there is a multiple-driver operation;

(7) The on-board recording device/system identifies sensor failures and edited data when reproduced in printed form. Devices installed and operational as of October 31, 1988, and authorized to be used in lieu of the handwritten record of duty status by the FMCSA are exempted from this requirement.

(8) The on-board recording device is maintained and recalibrated in accordance with the manufacturer's specifications;

(9) The motor carrier's drivers are adequately trained regarding the proper operation of the device; and

(10) The motor carrier must maintain a second copy (back-up copy) of the electronic hours-of-service files, by month, in a different physical location than where the original data is stored.

(j) *Rescission of authority.* (1) The FMCSA may, with notice and opportunity to reply, order any motor carrier or driver to comply with the requirements of § 395.8 of this part.

(2) The FMCSA may issue such an order if the FMCSA has determined that—

(i) The motor carrier has been issued a conditional or unsatisfactory safety rating by the FMCSA;

(ii) The motor carrier has required or permitted a driver to establish, or the driver has established, a pattern of exceeding the hours of service limitations of this part;

(iii) The motor carrier has required or permitted a driver to fail, or the driver has failed, to accurately and completely record the driver's hours of service as required in this section; or

(iv) The motor carrier or driver has tampered with or otherwise abused the automatic on-board recording device on any commercial motor vehicle.

[53 FR 38670, Sept. 30, 1988, as amended at 60 FR 38748, July 28, 1995; 68 FR 22516, Apr. 28, 2003; 70 FR 50073, Aug. 25, 2005]

PART 396—INSPECTION, REPAIR, AND MAINTENANCE

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AUTHORITY: 49 U.S.C. 31133, 31136, and 31502; and 49 CFR 1.73.

SOURCE: 44 FR 38526, July 2, 1979, unless otherwise noted.

EDITORIAL NOTE: Nomenclature changes to part 396 appear at 66 FR 49874, Oct. 1, 2001.

§ 396.1 Scope.

General—Every motor carrier, its officers, drivers, agents, representatives, and employees directly concerned with the inspection or maintenance of motor vehicles shall comply and be conversant with the rules of this part.

[44 FR 38526, July 2, 1979, as amended at 53 FR 18058, May 19, 1988]

§ 396.3 Inspection, repair, and maintenance.

(a) *General.* Every motor carrier shall systematically inspect, repair, and

maintain, or cause to be systematically inspected, repaired, and maintained, all motor vehicles subject to its control.

(1) Parts and accessories shall be in safe and proper operating condition at all times. These include those specified in part 393 of this subchapter and any additional parts and accessories which may affect safety of operation, including but not limited to, frame and frame assemblies, suspension systems, axles and attaching parts, wheels and rims, and steering systems.

(2) Pushout windows, emergency doors, and emergency door marking lights in buses shall be inspected at least every 90 days.

(b) *Required records*—For vehicles controlled for 30 consecutive days or more, except for a private motor carrier of passengers (nonbusiness), the motor carriers shall maintain, or cause to be maintained, the following record for each vehicle:

(1) An identification of the vehicle including company number, if so marked, make, serial number, year, and tire size. In addition, if the motor vehicle is not owned by the motor carrier, the record shall identify the name of the person furnishing the vehicle;

(2) A means to indicate the nature and due date of the various inspection and maintenance operations to be performed;

(3) A record of inspection, repairs, and maintenance indicating their date and nature; and

(4) A record of tests conducted on pushout windows, emergency doors, and emergency door marking lights on buses.

(c) *Record retention.* The records required by this section shall be retained where the vehicle is either housed or maintained for a period of 1 year and for 6 months after the motor vehicle leaves the motor carrier's control.

[44 FR 38526, July 2, 1979, as amended at 48 FR 55868, Dec. 16, 1983; 53 FR 18058, May 19, 1988; 59 FR 8753, Feb. 23, 1994; 59 FR 60324, Nov. 23, 1994]

§ 396.5 Lubrication.

Every motor carrier shall ensure that each motor vehicle subject to its control is—

- (a) Properly lubricated; and

- (b) Free of oil and grease leaks.

§ 396.7 Unsafe operations forbidden.

(a) *General.* A motor vehicle shall not be operated in such a condition as to likely cause an accident or a breakdown of the vehicle.

(b) *Exemption.* Any motor vehicle discovered to be in an unsafe condition while being operated on the highway may be continued in operation only to the nearest place where repairs can safely be effected. Such operation shall be conducted only if it is less hazardous to the public than to permit the vehicle to remain on the highway.

§ 396.9 Inspection of motor vehicles in operation.

(a) *Personnel authorized to perform inspections.* Every special agent of the FMCSA (as defined in appendix B to this subchapter) is authorized to enter upon and perform inspections of motor carrier's vehicles in operation.

(b) *Prescribed inspection report.* The Driver Vehicle Examination Report shall be used to record results of motor vehicle inspections conducted by authorized FMCSA personnel.

(c) *Motor vehicles declared "out of service."* (1) Authorized personnel shall declare and mark "out of service" any motor vehicle which by reason of its mechanical condition or loading would likely cause an accident or a breakdown. An "Out of Service Vehicle" sticker shall be used to mark vehicles "out of service."

(2) No motor carrier shall require or permit any person to operate nor shall any person operate any motor vehicle declared and marked "out of service" until all repairs required by the "out of service notice" have been satisfactorily completed. The term "operate" as used in this section shall include towing the vehicle, except that vehicles marked "out of service" may be towed away by means of a vehicle using a crane or hoist. A vehicle combination consisting of an emergency towing vehicle and an "out of service" vehicle shall not be operated unless such combination meets the performance requirements of this subchapter except for those conditions noted on the Driver Equipment Compliance Check.

(3) No person shall remove the "Out of Service Vehicle" sticker from any motor vehicle prior to completion of all repairs required by the "out of service notice".

(d) *Motor carrier disposition.* (1) The driver of any motor vehicle receiving an inspection report shall deliver it to the motor carrier operating the vehicle upon his/her arrival at the next terminal or facility. If the driver is not scheduled to arrive at a terminal or facility of the motor carrier operating the vehicle within 24 hours, the driver shall immediately mail the report to the motor carrier.

(2) Motor carriers shall examine the report. Violations or defects noted thereon shall be corrected.

(3) Within 15 days following the date of the inspection, the motor carrier shall—

(i) Certify that all violations noted have been corrected by completing the "Signature of Carrier Official, Title, and Date Signed" portions of the form; and

(ii) Return the completed roadside inspection form to the issuing agency at the address indicated on the form and retain a copy at the motor carrier's principal place of business or where the vehicle is housed for 12 months from the date of the inspection.

(49 U.S.C. 3102; 49 CFR 1.48(b))

[44 FR 38526, July 2, 1979, as amended at 49 FR 38290, Sept. 28, 1984; 57 FR 40964, Sept. 8, 1992; 68 FR 56208, Sept. 30, 2003]

§396.11 Driver vehicle inspection report(s).

(a) *Report required.* Every motor carrier shall require its drivers to report, and every driver shall prepare a report in writing at the completion of each day's work on each vehicle operated and the report shall cover at least the following parts and accessories:

- Service brakes including trailer brake connections
- Parking (hand) brake
- Steering mechanism
- Lighting devices and reflectors
- Tires
- Horn
- Windshield wipers
- Rear vision mirrors
- Coupling devices

- Wheels and rims
- Emergency equipment

(b) *Report content.* The report shall identify the vehicle and list any defect or deficiency discovered by or reported to the driver which would affect the safety of operation of the vehicle or result in its mechanical breakdown. If no defect or deficiency is discovered by or reported to the driver, the report shall so indicate. In all instances, the driver shall sign the report. On two-driver operations, only one driver needs to sign the driver vehicle inspection report, provided both drivers agree as to the defects or deficiencies identified. If a driver operates more than one vehicle during the day, a report shall be prepared for each vehicle operated.

(c) *Corrective action.* Prior to requiring or permitting a driver to operate a vehicle, every motor carrier or its agent shall repair any defect or deficiency listed on the driver vehicle inspection report which would be likely to affect the safety of operation of the vehicle.

(1) Every motor carrier or its agent shall certify on the original driver vehicle inspection report which lists any defect or deficiency that the defect or deficiency has been repaired or that repair is unnecessary before the vehicle is operated again.

(2) Every motor carrier shall maintain the original driver vehicle inspection report, the certification of repairs, and the certification of the driver's review for three months from the date the written report was prepared.

(d) *Exceptions.* The rules in this section shall not apply to a private motor carrier of passengers (nonbusiness), a driveaway-towaway operation, or any motor carrier operating only one commercial motor vehicle.

[44 FR 38526, July 2, 1979, as amended at 45 FR 46425, July 10, 1980; 53 FR 18058, May 19, 1988; 59 FR 8753, Feb. 23, 1994; 63 FR 33279, June 18, 1998]

§ 396.13 Driver inspection.

Before driving a motor vehicle, the driver shall:

- (a) Be satisfied that the motor vehicle is in safe operating condition;
- (b) Review the last driver vehicle inspection report; and

(c) Sign the report, only if defects or deficiencies were noted by the driver who prepared the report, to acknowledge that the driver has reviewed it and that there is a certification that the required repairs have been performed. The signature requirement does not apply to listed defects on a towed unit which is no longer part of the vehicle combination.

[44 FR 76526, Dec. 27, 1979, as amended at 48 FR 55868, Dec. 16, 1983; 63 FR 33280, June 18, 1998]

§ 396.15 Driveaway-towaway operations and inspections.

(a) *General.* Effective December 7, 1989, every motor carrier, with respect to motor vehicles engaged in driveaway-towaway operations, shall comply with the requirements of this part. **EXCEPTION:** Maintenance records required by § 396.3, the vehicle inspection report required by § 396.11, and the periodic inspection required by § 396.17 of this part shall not be required for any vehicle which is part of the shipment being delivered.

(b) *Pre-trip inspection.* Before the beginning of any driveaway-towaway operation of motor vehicles in combination, the motor carrier shall make a careful inspection and test to ascertain that:

(1) The towbar or saddle-mount connections are properly secured to the towed and towing vehicle;

(2) They function adequately without cramping or binding of any of the parts; and

(3) The towed motor vehicle follows substantially in the path of the towing vehicle without whipping or swerving.

(c) *Post-trip inspection.* Motor carriers shall maintain practices to ensure that following completion of any trip in driveaway-towaway operation of motor vehicles in combination, and before they are used again, the towbars and saddle-mounts are disassembled and inspected for worn, bent, cracked, broken, or missing parts. Before reuse, suitable repair or replacement shall be made of any defective parts and the devices shall be properly reassembled.

[44 FR 38526, July 2, 1979, as amended at 53 FR 49410, Dec. 7, 1988; 53 FR 49968, Dec. 12, 1988]

§ 396.17 Periodic inspection.

(a) Every commercial motor vehicle shall be inspected as required by this section. The inspection shall include, at a minimum, the parts and accessories set forth in appendix G of this subchapter.

NOTE: The term commercial motor vehicle includes each vehicle in a combination vehicle. For example, for a tractor semitrailer, fulltrailer combination, the tractor, semitrailer, and the fulltrailer (including the converter dolly if so equipped) shall each be inspected.

(b) Except as provided in § 396.23, a motor carrier shall inspect or cause to be inspected all motor vehicles subject to its control.

(c) A motor carrier shall not use a commercial motor vehicle unless each component identified in appendix G has passed an inspection in accordance with the terms of this section at least once during the preceding 12 months and documentation of such inspection is on the vehicle. The documentation may be:

(1) The inspection report prepared in accordance with paragraph 396.21(a), or

(2) Other forms of documentation, based on the inspection report (e.g., sticker or decal), which contains the following information:

(i) The date of inspection;

(ii) Name and address of the motor carrier or other entity where the inspection report is maintained;

(iii) Information uniquely identifying the vehicle inspected if not clearly marked on the motor vehicle; and

(iv) A certification that the vehicle has passed an inspection in accordance with § 396.17.

(d) A motor carrier may perform the required annual inspection for vehicles under the carrier's control which are not subject to an inspection under § 396.23(b)(1).

(e) In lieu of the self inspection provided for in paragraph (d) of this section, a motor carrier may choose to have a commercial garage, fleet leasing company, truck stop, or other similar commercial business perform the inspection as its agent, provided that business operates and maintains facilities appropriate for commercial vehicle inspections and it employs qualified inspectors, as required by § 396.19.

(f) Vehicles passing roadside or periodic inspections performed under the auspices of any State government or equivalent jurisdiction or the FMCSA, meeting the minimum standards contained in appendix G of this subchapter, will be considered to have met the requirements of an annual inspection for a period of 12 months commencing from the last day of the month in which the inspection was performed, except as provided in §396.23(b)(1).

(g) It shall be the responsibility of the motor carrier to ensure that all parts and accessories not meeting the minimum standards set forth in appendix G to this subchapter are repaired promptly.

(h) Failure to perform properly the annual inspection set forth in this section shall cause the motor carrier to be subject to the penalty provisions provided by 49 U.S.C. 521(b).

[53 FR 49410, Dec. 7, 1988; 53 FR 49968, Dec. 12, 1988, as amended at 54 FR 50725, Dec. 8, 1989]

§ 396.19 Inspector qualifications.

(a) It shall be the motor carrier's responsibility to ensure that the individual(s) performing an annual inspection under §396.17 (d) or (e) is qualified as follows:

(1) Understands the inspection criteria set forth in 49 CFR part 393 and appendix G of this subchapter and can identify defective components;

(2) Is knowledgeable of and has mastered the methods, procedures, tools and equipment used when performing an inspection; and

(3) Is capable of performing an inspection by reason of experience, training, or both as follows:

(i) Successfully completed a State or Federal-sponsored training program or has a certificate from a State or Canadian Province which qualifies the person to perform commercial motor vehicle safety inspections, or

(ii) Have a combination of training and/or experience totaling at least 1 year. Such training and/or experience may consist of:

(A) Participation in a truck manufacturer-sponsored training program or similar commercial training program designed to train students in truck operation and maintenance;

(B) Experience as a mechanic or inspector in a motor carrier maintenance program;

(C) Experience as a mechanic or inspector in truck maintenance at a commercial garage, fleet leasing company, or similar facility; or

(D) Experience as a commercial vehicle inspector for a State, Provincial or Federal Government.

(b) Evidence of that individual's qualifications under this section shall be retained by the motor carrier for the period during which that individual is performing annual motor vehicle inspections for the motor carrier, and for one year thereafter. However, motor carriers do not have to maintain documentation of inspector qualifications for those inspections performed either as part of a State periodic inspection program or at the roadside as part of a random roadside inspection program.

[53 FR 49410, Dec. 7, 1988; 53 FR 49968, Dec. 12, 1988]

§ 396.21 Periodic inspection record-keeping requirements.

(a) The qualified inspector performing the inspection shall prepare a report which:

(1) Identifies the individual performing the inspection;

(2) Identifies the motor carrier operating the vehicle;

(3) Identifies the date of the inspection;

(4) Identifies the vehicle inspected;

(5) Identifies the vehicle components inspected and describes the results of the inspection, including the identification of those components not meeting the minimum standards set forth in appendix G to this subchapter; and

(6) Certifies the accuracy and completeness of the inspection as complying with all the requirements of this section.

(b)(1) The original or a copy of the inspection report shall be retained by the motor carrier or other entity who is responsible for the inspection for a period of fourteen months from the date of the inspection report. The original or a copy of the inspection report shall be retained where the vehicle is either housed or maintained.

(2) The original or a copy of the inspection report shall be available for inspection upon demand of an authorized Federal, State or local official.

(3) *Exception.* Where the motor carrier operating the commercial motor vehicles did not perform the commercial motor vehicle's last annual inspection, the motor carrier shall be responsible for obtaining the original or a copy of the last annual inspection report upon demand of an authorized Federal, State, or local official.

[54 FR 50725, Dec. 8, 1989]

§ 396.23 Equivalent to periodic inspection.

(a) The motor carrier may meet the requirements of § 396.17 through a State or other jurisdiction's roadside inspection program. The inspection must have been performed during the preceding 12 months. In using the roadside inspection, the motor carrier would need to retain a copy of an annual inspection report showing that the inspection was performed in accordance with the minimum periodic inspection standards set forth in appendix G to this subchapter. When accepting such an inspection report, the motor carrier must ensure that the report complies with the requirements of § 396.21(a).

(b)(1) If a commercial motor vehicle is subject to a mandatory State inspection program which is determined by the Administrator to be as effective as § 396.17, the motor carrier shall meet the requirement of § 396.17 through that State's inspection program. Commercial motor vehicle inspections may be conducted by State personnel, at State authorized commercial facilities, or by the motor carrier under the auspices of a State authorized self-inspection program.

(2) Should the FMCSA determine that a State inspection program, in whole or in part, is not as effective as § 396.17, the motor carrier must ensure that the periodic inspection required by § 396.17 is performed on all commercial motor vehicles under its control in a manner specified in § 396.17.

[53 FR 49410, Dec. 7, 1988; 53 FR 49968, Dec. 12, 1988, as amended at 60 FR 38749, July 28, 1995]

§ 396.25 Qualifications of brake inspectors.

(a) The motor carrier shall ensure that all inspections, maintenance, repairs or service to the brakes of its commercial motor vehicles, are performed in compliance with the requirements of this section.

(b) For purposes of this section, *brake inspector* means any employee of a motor carrier who is responsible for ensuring all brake inspections, maintenance, service, or repairs to any commercial motor vehicle, subject to the motor carrier's control, meet the applicable Federal standards.

(c) No motor carrier shall require or permit any employee who does not meet the minimum brake inspector qualifications of § 396.25(d) to be responsible for the inspection, maintenance, service or repairs of any brakes on its commercial motor vehicles.

(d) The motor carrier shall ensure that each brake inspector is qualified as follows:

(1) Understands the brake service or inspection task to be accomplished and can perform that task; and

(2) Is knowledgeable of and has mastered the methods, procedures, tools and equipment used when performing an assigned brake service or inspection task; and

(3) Is capable of performing the assigned brake service or inspection by reason of experience, training or both as follows:

(i) Has successfully completed an apprenticeship program sponsored by a State, a Canadian Province, a Federal agency or a labor union, or a training program approved by a State, Provincial or Federal agency, or has a certificate from a State or Canadian Province which qualifies the person to perform the assigned brake service or inspection task (including passage of Commercial Driver's License air brake tests in the case of a brake inspection); or

(ii) Has brake-related training or experience or a combination thereof totaling at least one year. Such training or experience may consist of:

(A) Participation in a training program sponsored by a brake or vehicle manufacturer or similar commercial

training program designed to train students in brake maintenance or inspection similar to the assigned brake service or inspection tasks; or

(B) Experience performing brake maintenance or inspection similar to the assigned brake service or inspection task in a motor carrier maintenance program; or

(C) Experience performing brake maintenance or inspection similar to the assigned brake service or inspection task at a commercial garage, fleet leasing company, or similar facility.

(e) No motor carrier shall employ any person as a brake inspector unless the evidence of the inspector's qualifications, required under this section is maintained by the motor carrier at its principal place of business, or at the location at which the brake inspector is employed. The evidence must be maintained for the period during which the brake inspector is employed in that capacity and for one year thereafter. However, motor carriers do not have to maintain evidence of qualifications to inspect air brake systems for such inspections performed by persons who have passed the air brake knowledge and skills test for a Commercial Driver's License.

[56 FR 491, Jan. 7, 1991]

PART 397—TRANSPORTATION OF HAZARDOUS MATERIALS; DRIVING AND PARKING RULES

Subpart A—General

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- 397.2 Compliance with Federal motor carrier safety regulations.
- 397.3 State and local laws, ordinances, and regulations.
- 397.5 Attendance and surveillance of motor vehicles.
- 397.7 Parking.
- 397.9 [Reserved]
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- 397.15 Fueling.
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- 397.61 Purpose and scope.
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- 397.101 Requirements for motor carriers and drivers.
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- 397.219 Waiver determination and order.
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- 397.223 Petition for reconsideration.
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AUTHORITY: 49 U.S.C. 322; 49 CFR 1.73. Subpart A also issued under 49 U.S.C. 5103, 31136, 31502, and 49 CFR 1.53. Subparts C, D, and E also issued under 49 U.S.C. 5112, 5125.

SOURCE: 36 FR 4876, Mar. 13, 1971, unless otherwise noted.

EDITORIAL NOTE: Nomenclature changes to part 397 appear at 66 FR 49874, Oct. 1, 2001.

Subpart A—General

§ 397.1 Application of the rules in this part.

(a) The rules in this part apply to each motor carrier engaged in the transportation of hazardous materials by a motor vehicle which must be marked or placarded in accordance with § 177.823 of this title and to—

(1) Each officer or employee of the motor carrier who performs supervisory duties related to the transportation of hazardous materials; and

(2) Each person who operates or who is in charge of a motor vehicle containing hazardous materials.

(b) Each person designated in paragraph (a) of this section must know and obey the rules in this part.

[36 FR 4876, Mar. 13, 1971, as amended at 36 FR 16067, Aug. 19, 1971; 53 FR 18058, May 19, 1988; 60 FR 38749, July 28, 1995]

§ 397.2 Compliance with Federal motor carrier safety regulations.

A motor carrier or other person to whom this part is applicable must comply with the rules in parts 390 through 397, inclusive, of this subchapter when he/she is transporting hazardous materials by a motor vehicle which must be marked or placarded in accordance with § 177.823 of this title.

[37 FR 18080, Sept. 7, 1972]

§ 397.3 State and local laws, ordinances, and regulations.

Every motor vehicle containing hazardous materials must be driven and parked in compliance with the laws, ordinances, and regulations of the jurisdiction in which it is being operated, unless they are at variance with specific regulations of the Department of Transportation which are applicable to the operation of that vehicle and which impose a more stringent obligation or restraint.

§ 397.5 Attendance and surveillance of motor vehicles.

(a) Except as provided in paragraph (b) of this section, a motor vehicle which contains a Division 1.1, 1.2, or 1.3 (explosive) material must be attended at all times by its driver or a qualified representative of the motor carrier that operates it.

(b) The rules in paragraph (a) of this section do not apply to a motor vehicle which contains Division 1.1, 1.2, or 1.3 material if all the following conditions exist—

(1) The vehicle is located on the property of a motor carrier, on the property of a shipper or consignee of the explosives, in a safe haven, or, in the case of a vehicle containing 50 pounds or less of a Division 1.1, 1.2, or 1.3 material, on a construction or survey site; and

(2) The lawful bailee of the explosives is aware of the nature of the explosives

the vehicle contains and has been instructed in the procedures which must be followed in emergencies; and

(3) The vehicle is within the bailee's unobstructed field of view or is located in a safe haven.

(c) A motor vehicle which contains hazardous materials other than Division 1.1, 1.2, or 1.3, materials, and which is located on a public street or highway, or the shoulder of a public highway, must be attended by its driver. However, the vehicle need not be attended while its driver is performing duties which are incident and necessary to the driver's duties as the operator of the vehicle.

(d) For purposes of this section—

(1) A motor vehicle is attended when the person in charge of the vehicle is on the vehicle, awake, and not in a sleeper berth, or is within 100 feet of the vehicle and has it within his/her unobstructed field of view.

(2) A qualified representative of a motor carrier is a person who—

(i) Has been designated by the carrier to attend the vehicle;

(ii) Is aware of the nature of the hazardous materials contained in the vehicle he/she attends;

(iii) Has been instructed in the procedures he/she must follow in emergencies; and

(iv) Is authorized to move the vehicle and has the means and ability to do so.

(3) A safe haven in an area specifically approved in writing by local, State, or Federal governmental authorities for the parking of unattended vehicles containing Division 1.1, 1.2, or 1.3 materials.

(e) The rules in this section do not relieve the driver from any obligation imposed by law relating to the placing of warning devices when a motor vehicle is stopped on a public street or highway.

[59 FR 63925, Dec. 12, 1994]

§ 397.7 Parking.

(a) A motor vehicle which contains Division 1.1, 1.2, or 1.3 materials must not be parked under any of the following circumstances—

(1) On or within 5 feet of the traveled portion of a public street or highway;

(2) On private property (including premises of fueling or eating facility)

without the knowledge and consent of the person who is in charge of the property and who is aware of the nature of the hazardous materials the vehicle contains; or

(3) Within 300 feet of a bridge, tunnel, dwelling, or place where people work, congregate, or assemble, except for brief periods when the necessities of operation require the vehicle to be parked and make it impracticable to park the vehicle in any other place.

(b) A motor vehicle which contains hazardous materials other than Division 1.1, 1.2, or 1.3 materials must not be parked on or within five feet of the traveled portion of public street or highway except for brief periods when the necessities of operation require the vehicle to be parked and make it impracticable to park the vehicle in any other place.

[59 FR 63925, Dec. 12, 1994]

§ 397.9 [Reserved]

§ 397.11 Fires.

(a) A motor vehicle containing hazardous materials must not be operated near an open fire unless its driver has first taken precautions to ascertain that the vehicle can safely pass the fire without stopping.

(b) A motor vehicle containing hazardous materials must not be parked within 300 feet of an open fire.

§ 397.13 Smoking.

No person may smoke or carry a lighted cigarette, cigar, or pipe on or within 25 feet of—

(a) A motor vehicle which contains Class 1 materials, Class 5 materials, or flammable materials classified as Division 2.1, Class 3, Divisions 4.1 and 4.2; or

(b) An empty tank motor vehicle which has been used to transport Class 3, flammable materials, or Division 2.1 flammable gases, which when so used, was required to be marked or placarded in accordance with the rules in §177.823 of this title.

[59 FR 63925, Dec. 12, 1994]

§ 397.15 Fueling.

When a motor vehicle which contains hazardous materials is being fueled—

(a) Its engine must not be operating; and

(b) A person must be in control of the fueling process at the point where the fuel tank is filled.

§ 397.17 Tires.

(a) A driver must examine each tire on a motor vehicle at the beginning of each trip and each time the vehicle is parked

(b) If, as the result of an examination pursuant to paragraph (a) of this section, or otherwise, a tire is found to be flat, leaking, or improperly inflated, the driver must cause the tire to be repaired, replaced, or properly inflated before the vehicle is driven. However, the vehicle may be driven to the nearest safe place to perform the required repair, replacement, or inflation.

(c) If, as the result of an examination pursuant to paragraph (a) of this section, or otherwise, a tire is found to be overheated, the driver shall immediately cause the overheated tire to be removed and placed at a safe distance from the vehicle. The driver shall not operate the vehicle until the cause of the overheating is corrected.

(d) Compliance with the rules in this section does not relieve a driver from the duty to comply with the rules in §§397.5 and 397.7.

§ 397.19 Instructions and documents.

(a) A motor carrier that transports Division 1.1, 1.2, or 1.3 (explosive) materials must furnish the driver of each motor vehicle in which the explosives are transported with the following documents:

(1) A copy of the rules in this part;

(2) [Reserved]

(3) A document containing instructions on procedures to be followed in the event of accident or delay. The documents must include the names and telephone numbers of persons (including representatives of carriers or shippers) to be contracted, the nature of the explosives being transported, and the precautions to be taken in emergencies such as fires, accidents, or leakages.

(b) A driver who receives documents in accordance with paragraph (a) of this section must sign a receipt for

them. The motor carrier shall maintain the receipt for a period of one year from the date of signature.

(c) A driver of a motor vehicle which contains Division 1.1, 1.2, or 1.3 materials must be in possession of, be familiar with, and be in compliance with

(1) The documents specified in paragraph (a) of this section;

(2) The documents specified in § 177.817 of this title; and

(3) The written route plan specified in § 397.67.

[59 FR 63925, Dec. 12, 1994, as amended at 63 FR 33280, June 18, 1998]

Subpart B [Reserved]

Subpart C—Routing of Non-Radioactive Hazardous Materials

SOURCE: 59 FR 51830, Oct. 12, 1994, unless otherwise noted.

§ 397.61 Purpose and scope.

This subpart contains routing requirements and procedures that States and Indian tribes are required to follow if they establish, maintain, or enforce routing designations over which a non-radioactive hazardous material (NRHM) in a quantity which requires placarding may or may not be transported by a motor vehicle. It also provides regulations for motor carriers transporting placarded or marked NRHM and procedures for dispute resolutions regarding NRHM routing designations.

§ 397.63 Applicability.

The provisions of this subpart apply to any State or Indian tribe that establishes, maintains, or enforces any routing designations over which NRHM may or may not be transported by motor vehicle. They also apply to any motor carrier that transports or causes to be transported placarded or marked NRHM in commerce.

§ 397.65 Definitions.

For purposes of this subpart, the following definitions apply:

Administrator. The Federal Motor Carrier Safety Administrator, who is the chief executive of the Federal Motor Carrier Safety Administration,

an agency within the United States Department of Transportation, or his/her designate.

Commerce. Any trade, traffic, or transportation in the United States which:

(1) Is between a place under the jurisdiction of a State or Indian tribe and any place outside of such jurisdiction; or

(2) Is solely within a place under the jurisdiction of a State or Indian tribe but which affects trade, traffic, or transportation described in subparagraph (a).

FMCSA. The Federal Motor Carrier Safety Administration, an agency within the Department of Transportation.

Hazardous material. A substance or material, including a hazardous substance, which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, or property when transported in commerce, and which has been so designated.

Indian tribe. Has the same meaning as contained in § 4 of the Indian Self-Determination and Education Act, 25 U.S.C. 450b.

Motor carrier. A for-hire motor carrier or a private motor carrier of property. The term includes a motor carrier's agents, officers and representatives as well as employees responsible for hiring, supervising, training, assigning, or dispatching of drivers.

Motor vehicle. Any vehicle, machine, tractor, trailer, or semitrailer propelled or drawn by mechanical power and used upon the highways in the transportation of passengers or property, or any combination thereof.

NRHM. A non-radioactive hazardous material transported by motor vehicle in types and quantities which require placarding, pursuant to Table 1 or 2 of 49 CFR 172.504.

Political subdivision. A municipality, public agency or other instrumentality of one or more States, or a public corporation, board, or commission established under the laws of one or more States.

Radioactive material. Any material having a specific activity greater than 0.002 microcuries per gram (uCi/g), as defined in 49 CFR 173.403.

Routing agency. The State highway agency or other State agency designated by the Governor of that State, or an agency designated by an Indian tribe, to supervise, coordinate, and approve the NRHM routing designations for that State or Indian tribe.

Routing designations. Any regulation, limitation, restriction, curfew, time of travel restriction, lane restriction, routing ban, port-of-entry designation, or route weight restriction, applicable to the highway transportation of NRHM over a specific highway route or portion of a route.

Secretary. The Secretary of Transportation.

State. A State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, the Commonwealth of the Northern Mariana Islands, the Virgin Islands, American Samoa or Guam.

§397.67 Motor carrier responsibility for routing.

(a) A motor carrier transporting NRHM shall comply with NRHM routing designations of a State or Indian tribe pursuant to this subpart.

(b) A motor carrier carrying hazardous materials required to be placarded or marked in accordance with 49 CFR 177.823 and not subject to a NRHM routing designations pursuant to this subpart, shall operate the vehicle over routes which do not go through or near heavily populated areas, places where crowds are assembled, tunnels, narrow streets, or alleys, except where the motor carrier determines that:

(1) There is no practicable alternative;

(2) A reasonable deviation is necessary to reach terminals, points of loading and unloading, facilities for food, fuel, repairs, rest, or a safe haven; or

(3) A reasonable deviation is required by emergency conditions, such as a detour that has been established by a highway authority, or a situation exists where a law enforcement official requires the driver to take an alternative route.

(c) Operating convenience is not a basis for determining whether it is practicable to operate a motor vehicle

in accordance with paragraph (b) of this section.

(d) Before a motor carrier requires or permits a motor vehicle containing explosives in Class 1, Divisions 1.1, 1.2, 1.3, as defined in 49 CFR 173.50 and 173.53 respectively, to be operated, the carrier or its agent shall prepare a written route plan that complies with this section and shall furnish a copy to the driver. However, the driver may prepare the written plan as agent for the motor carrier when the trip begins at a location other than the carrier's terminal.

§ 397.69 Highway routing designations; preemption.

(a) Any State or Indian tribe that establishes or modifies a highway routing designation over which NRHM may or may not be transported on or after November 14, 1994, and maintains or enforces such designation, shall comply with the highway routing standards set forth in §397.71 of this subpart. For purposes of this subpart, any highway routing designation affecting the highway transportation of NRHM, made by a political subdivision of a State is considered as one made by that State, and all requirements of this subpart apply.

(b) Except as provided in §§397.75 and 397.219, a NRHM route designation made in violation of paragraph (a) of this section is preempted pursuant to section 105(b)(4) of the Hazardous Materials Transportation Act (49 U.S.C. app. 1804(b)(4)). This provision shall become effective after November 14, 1996.

(c) A highway routing designation established by a State, political subdivision, or Indian tribe before November 14, 1994 is subject to preemption in accordance with the preemption standards in paragraphs (a)(1) and (a)(2) of §397.203 of this subpart.

(d) A State, political subdivision, or Indian tribe may petition for a waiver of preemption in accordance with §397.213 of this part.

§ 397.71 Federal standards.

(a) A State or Indian tribe shall comply with the Federal standards under paragraph (b) of this section when establishing, maintaining or enforcing specific NRHM routing designations

over which NRHM may or may not be transported.

(b) The Federal standards are as follows:

(1) *Enhancement of public safety.* The State or Indian tribe shall make a finding, supported by the record to be developed in accordance with paragraphs (b)(2)(i) and (b)(3)(iv) of this section, that any NRHM routing designation enhances public safety in the areas subject to its jurisdiction and in other areas which are directly affected by such highway routing designation. In making such a finding, the State or Indian tribe shall consider:

(i) The factors listed in paragraph (b)(9) of this section; and

(ii) The DOT “Guidelines for Applying Criteria to Designate Routes for Transporting Hazardous Materials,” DOT/RSPA/OHMT-89-02, July 1989¹ or its most current version; or an equivalent routing analysis which adequately considers overall risk to the public.

(2) *Public participation.* Prior to the establishment of any NRHM routing designation, the State or Indian tribe shall undertake the following actions to ensure participation by the public in the routing process:

(i) The State or Indian tribe shall provide the public with notice of any proposed NRHM routing designation and a 30-day period in which to comment. At any time during this period or following review of the comments received, the State or Indian tribe shall decide whether to hold a public hearing on the proposed NRHM route designation. The public shall be given 30 days prior notice of the public hearing which shall be conducted as described in paragraph (b)(2)(ii) of this section. Notice for both the comment period and the public hearing, if one is held, shall be given by publication in at least two newspapers of general circulation in the affected area or areas and shall contain a complete description of the proposed routing designation, together with the date, time, and location of any public hearings. Notice for both

the comment period and any public hearing may also be published in the official register of the State.

(ii) If it is determined that a public hearing is necessary, the State or Indian tribe shall hold at least one public hearing on the record during which the public will be afforded the opportunity to present their views and any information or data related to the proposed NRHM routing designation. The State shall make available to the public, upon payment of prescribed costs, copies of the transcript of the hearing, which shall include all exhibits and documents presented during the hearing or submitted for the record.

(3) *Consultation with others.* Prior to the establishment of any NRHM routing designation, the State or Indian tribe shall provide notice to, and consult with, officials of affected political subdivisions, States and Indian tribes, and any other affected parties. Such actions shall include the following:

(i) At least 60 days prior to establishing a routing designation, the State or Indian tribe shall provide notice, in writing, of the proposed routing designation to officials responsible for highway routing in all other affected States or Indian tribes. A copy of this notice may also be sent to all affected political subdivisions. This notice shall request approval, in writing, by those States or Indian tribes, of the proposed routing designations. If no response is received within 60 days from the day of receipt of the notification of the proposed routing designation, the routing designation shall be considered approved by the affected State or Indian tribe.

(ii) The manner in which consultation under this paragraph is conducted is left to the discretion of the State or Indian tribe.

(iii) The State or Indian tribe shall attempt to resolve any concern or disagreement expressed by any consulted official related to the proposed routing designation.

(iv) The State or Indian tribe shall keep a record of the names and addresses of the officials notified pursuant to this section and of any consultation or meeting conducted with these officials or their representatives. Such record shall describe any concern or

¹This document may be obtained from Office of Enforcement and Compliance (MC-PSDECH), Federal Motor Carrier Safety Administration, U.S. Department of Transportation, 400 7th Street, SW., Washington, D.C. 20590-0001.

disagreement expressed by the officials and any action undertaken to resolve such disagreement or address any concern.

(4) *Through routing.* In establishing any NRHM routing designation, the State or Indian tribe shall ensure through highway routing for the transportation of NRHM between adjacent areas. The term "through highway routing" as used in this paragraph means that the routing designation must ensure continuity of movement so as to not impede or unnecessarily delay the transportation of NRHM. The State or Indian tribe shall utilize the procedures established in paragraphs (b)(2) and (b)(3) of this section in meeting these requirements. In addition, the State or Indian tribe shall make a finding, supported by a risk analysis conducted in accordance with paragraph (b)(1) of this section, that the routing designation enhances public safety. If the risk analysis shows—

(i) That the current routing presents at least 50 percent more risk to the public than the deviation under the proposed routing designation, then the proposed routing designation may go into effect.

(ii) That the current routing presents a greater risk but less than 50 percent more risk to the public than the deviation under the proposed routing restriction, then the proposed routing restriction made by a State or Indian tribe shall only go into effect if it does not force a deviation of more than 25 miles or result in an increase of more than 25 percent of that part of a trip affected by the deviation, whichever is shorter, from the most direct route through a jurisdiction as compared to the intended deviation.

(iii) That the current route has the same or less risk to the public than the deviation resulting from the proposed routing designation, then the routing designation shall not be allowed.

(5) *Agreement of other States; burden on commerce.* Any NRHM routing designation which affects another State or Indian tribe shall be established, maintained, or enforced only if:

(i) It does not unreasonably burden commerce, and

(ii) It is agreed to by the affected State or Indian tribe within 60 days of

receipt of the notice sent pursuant to paragraph (b)(3)(i) of this section, or it is approved by the Administrator pursuant to § 397.75.

(6) *Timeliness.* The establishment of a NRHM routing designation by any State or Indian tribe shall be completed within 18 months of the notice given in either paragraph (b)(2) or (b)(3) of this section, whichever occurs first.

(7) *Reasonable routes to terminals and other facilities.* In establishing or providing for reasonable access to and from designated routes, the State or Indian tribe shall use the shortest practicable route considering the factors listed in paragraph (b)(9) of this section. In establishing any NRHM routing designation, the State or Indian tribe shall provide reasonable access for motor vehicles transporting NRHM to reach:

(i) Terminals,

(ii) Points of loading, unloading, pickup and delivery, and

(iii) Facilities for food, fuel, repairs, rest, and safe havens.

(8) *Responsibility for local compliance.* The States shall be responsible for ensuring that all of their political subdivisions comply with the provisions of this subpart. The States shall be responsible for resolving all disputes between such political subdivisions within their jurisdictions. If a State or any political subdivision thereof, or an Indian tribe chooses to establish, maintain, or enforce any NRHM routing designation, the Governor, or Indian tribe, shall designate a routing agency for the State or Indian tribe, respectively. The routing agency shall ensure that all NRHM routing designations within its jurisdiction comply with the Federal standards in this section. The State or Indian tribe shall comply with the public information and reporting requirements contained in § 397.73.

(9) *Factors to consider.* In establishing any NRHM routing designation, the State or Indian tribe shall consider the following factors:

(i) *Population density.* The population potentially exposed to a NRHM release shall be estimated from the density of the residents, employees, motorists, and other persons in the area, using United States census tract maps or

other reasonable means for determining the population within a potential impact zone along a designated highway route. The impact zone is the potential range of effects in the event of a release. Special populations such as schools, hospitals, prisons, and senior citizen homes shall, among other things, be considered when determining the potential risk to the populations along a highway routing. Consideration shall be given to the amount of time during which an area will experience a heavy population density.

(ii) *Type of highway.* The characteristics of each alternative NRHM highway routing designation shall be compared. Vehicle weight and size limits, underpass and bridge clearances, roadway geometrics, number of lanes, degree of access control, and median and shoulder structures are examples of characteristics which a State or Indian tribe shall consider.

(iii) *Types and quantities of NRHM.* An examination shall be made of the type and quantity of NRHM normally transported along highway routes which are included in a proposed NRHM routing designation, and consideration shall be given to the relative impact zone and risks of each type and quantity.

(iv) *Emergency response capabilities.* In consultation with the proper fire, law enforcement, and highway safety agencies, consideration shall be given to the emergency response capabilities which may be needed as a result of a NRHM routing designation. The analysis of the emergency response capabilities shall be based upon the proximity of the emergency response facilities and their capabilities to contain and suppress NRHM releases within the impact zones.

(v) *Results of consultation with affected persons.* Consideration shall be given to the comments and concerns of all affected persons and entities provided during public hearings and consultations conducted in accordance with this section.

(vi) *Exposure and other risk factors.* States and Indian tribes shall define the exposure and risk factors associated with any NRHM routing designations. The distance to sensitive areas shall be considered. Sensitive areas include, but are not limited to, homes

and commercial buildings; special populations in hospitals, schools, handicapped facilities, prisons and stadiums; water sources such as streams and lakes; and natural areas such as parks, wetlands, and wildlife reserves.

(vii) *Terrain considerations.* Topography along and adjacent to the proposed NRHM routing designation that may affect the potential severity of an accident, the dispersion of the NRHM upon release and the control and clean up of NRHM if released shall be considered.

(viii) *Continuity of routes.* Adjacent jurisdictions shall be consulted to ensure routing continuity for NRHM across common borders. Deviations from the most direct route shall be minimized.

(ix) *Alternative routes.* Consideration shall be given to the alternative routes to, or resulting from, any NRHM route designation. Alternative routes shall be examined, reviewed, or evaluated to the extent necessary to demonstrate that the most probable alternative routing resulting from a routing designation is safer than the current routing.

(x) *Effects on commerce.* Any NRHM routing designation made in accordance with this subpart shall not create an unreasonable burden upon interstate or intrastate commerce.

(xi) *Delays in transportation.* No NRHM routing designations may create unnecessary delays in the transportation of NRHM.

(xii) *Climatic conditions.* Weather conditions unique to a highway route such as snow, wind, ice, fog, or other climatic conditions that could affect the safety of a route, the dispersion of the NRHM upon release, or increase the difficulty of controlling it and cleaning it up shall be given appropriate consideration.

(xiii) *Congestion and accident history.* Traffic conditions unique to a highway routing such as: traffic congestion; accident experience with motor vehicles, traffic considerations that could affect the potential for an accident, exposure of the public to any release, ability to perform emergency response operations, or the temporary closing of a highway for cleaning up any release

shall be given appropriate consideration.

§ 397.73 Public information and reporting requirements.

(a) *Public information.* Information on NRHM routing designations must be made available by the States and Indian tribes to the public in the form of maps, lists, road signs or some combination thereof. If road signs are used, those signs and their placements must comply with the provisions of the Manual on Uniform Traffic Control Devices,² published by the FMCSA, particularly the Hazardous Cargo signs identified as R14-2 and R14-3 shown in Section 2B-43 of that Manual.

(b) *Reporting and publishing requirements.* Each State or Indian tribe, through its routing agency, shall provide information identifying all NRHM routing designations which exist within their jurisdictions on November 14, 1994 to the FMCSA, Office of Enforcement and Compliance (MC-PSDECH), 400 7th St., SW., Washington, D.C. 20590-0001 by March 13, 1995. The State or Indian tribe shall include descriptions of these routing designations, along with the dates they were established. This information may also be published in each State's official register of State regulations. Information on any subsequent changes or new NRHM routing designations shall be furnished within 60 days after establishment to the FMCSA. This information will be available from the FMCSA, consolidated by the FMCSA, and published annually in whole or as updates in the FEDERAL REGISTER. Each State may also publish this information in its official register of State regulations.

(Approved by the Office of Management and Budget under control number 2125-0554)

§ 397.75 Dispute resolution.

(a) *Petition.* One or more States or Indian tribes may petition the Administrator

²This publication may be purchased from the Superintendent of Documents, U.S. Government Printing Office (GPO), Washington, D.C. 20402 and has Stock No. 050-001-81001-8. It is available for inspection and copying as prescribed in 49 CFR part 7, appendix D. See 23 CFR part 655, subpart F.

to resolve a dispute relating to an agreement on a proposed NRHM routing designation. In resolving a dispute under these provisions, the Administrator will provide the greatest level of safety possible without unreasonably burdening commerce, and ensure compliance with the Federal standards established at § 397.71 of this subpart.

(b) *Filing.* Each petition for dispute resolution filed under this section must:

(1) Be submitted to the Administrator, Federal Motor Carrier Safety Administration, U.S. Department of Transportation, 400 7th Street, SW., Washington, DC 20590-0001. Attention: Office of the Chief Counsel (MC-PSDCC).

(2) Identify the State or Indian tribe filing the petition and any other State, political subdivision, or Indian tribe whose NRHM routing designation is the subject of the dispute.

(3) Contain a certification that the petitioner has complied with the notification requirements of paragraph (c) of this section, and include a list of the names and addresses of each State, political subdivision, or Indian tribe official who was notified of the filing of the petition.

(4) Clearly set forth the dispute for which resolution is sought, including a complete description of any disputed NRHM routing designation and an explanation of how the disputed routing designation affects the petitioner or how it impedes through highway routing. If the routing designation being disputed results in alternative routing, then a comparative risk analysis for the designated route and the resulting alternative routing shall be provided.

(5) Describe any actions taken by the State or Indian tribe to resolve the dispute.

(6) Explain the reasons why the petitioner believes that the Administrator should intervene in resolving the dispute.

(7) Describe any proposed actions that the Administrator should take to resolve the dispute and how these actions would provide the greatest level of highway safety without unreasonably burdening commerce and would

ensure compliance with the Federal standards established in this subpart.

(c) *Notice.* (1) Any State or Indian tribe that files a petition for dispute resolution under this subpart shall mail a copy of the petition to any affected State, political subdivision, or Indian tribe, accompanied by a statement that the State, political subdivision, or Indian tribe may submit comments regarding the petition to the Administrator within 45 days.

(2) By serving notice on any other State, political subdivision, or Indian tribe determined by the Administrator to be possibly affected by the issues in dispute or the resolution sought, or by publication in the FEDERAL REGISTER, the Administrator may afford those persons an opportunity to file written comments on the petition.

(3) Any affected State, political subdivision, or Indian tribe submitting written comments to the Administrator with respect to a petition filed under this section shall send a copy of the comments to the petitioner and certify to the Administrator as to having complied with this requirement. The Administrator may notify other persons participating in the proceeding of the comments and provide an opportunity for those other persons to respond.

(d) *Court actions.* After a petition for dispute resolution is filed in accordance with this section, no court action may be brought with respect to the subject matter of such dispute until a final decision has been issued by the Administrator or until the last day of the one-year period beginning on the day the Administrator receives the petition, whichever occurs first.

(e) *Hearings; alternative dispute resolution.* Upon receipt of a petition filed pursuant to paragraph (a) of this section, the Administrator may schedule a hearing to attempt to resolve the dispute and, if a hearing is scheduled, will notify all parties to the dispute of the date, time, and place of the hearing. During the hearing the parties may offer any information pertinent to the resolution of the dispute. If an agreement is reached, it may be stipulated by the parties, in writing, and, if the Administrator agrees, made part of the decision in paragraph (f) of this sec-

tion. If no agreement is reached, the Administrator may take the matter under consideration and announce his or her decision in accordance with paragraph (f) of this section. Nothing in this section shall be construed as prohibiting the parties from settling the dispute or seeking other methods of alternative dispute resolution prior to the final decision by the Administrator.

(f) *Decision.* The Administrator will issue a decision based on the petition, the written comments submitted by the parties, the record of the hearing, and any other information in the record. The decision will include a written statement setting forth the relevant facts and the legal basis for the decision.

(g) *Record.* The Administrator will serve a copy of the decision upon the petitioner and any other party who participated in the proceedings. A copy of each decision will be placed on file in the public docket. The Administrator may publish the decision or notice of the decision in the FEDERAL REGISTER.

§ 397.77 Judicial review of dispute decision.

Any State or Indian tribe adversely affected by the Administrator's decision under § 397.75 of this subpart may seek review by the appropriate district court of the United States under such proceeding only by filing a petition with such court within 90 days after such decision becomes final.

Subpart D—Routing of Class 7 (Radioactive) Materials

§ 397.101 Requirements for motor carriers and drivers.

(a) Except as provided in paragraph (b) of this section or in circumstances when there is only one practicable highway route available, considering operating necessity and safety, a carrier or any person operating a motor vehicle that contains a Class 7 (radioactive) material, as defined in 49 CFR 172.403, for which placarding is required under 49 CFR part 172 shall:

(1) Ensure that the motor vehicle is operated on routes that minimize radiological risk;

(2) Consider available information on accident rates, transit time, population density and activities, and the time of day and the day of week during which transportation will occur to determine the level of radiological risk; and

(3) Tell the driver which route to take and that the motor vehicle contains Class 7 (radioactive) materials.

(b) Except as otherwise permitted in this paragraph and in paragraph (f) of this section, a carrier or any person operating a motor vehicle containing a highway route controlled quantity of Class 7 (radioactive) materials, as defined in 49 CFR 173.403(l), shall operate the motor vehicle only over preferred routes.

(1) For purposes of this subpart, a preferred route is an Interstate System highway for which an alternative route is not designated by a State routing agency; a State-designated route selected by a State routing agency pursuant to § 397.103; or both of the above.

(2) The motor carrier or the person operating a motor vehicle containing a highway route controlled quantity of Class 7 (radioactive) materials, as defined in 49 CFR 173.403(l) and (y), shall select routes to reduce time in transit over the preferred route segment of the trip. An Interstate System bypass or Interstate System beltway around a city, when available, shall be used in place of a preferred route through a city, unless a State routing agency has designated an alternative route.

(c) A motor vehicle may be operated over a route, other than a preferred route, only under the following conditions:

(1) The deviation from the preferred route is necessary to pick up or deliver a highway route controlled quantity of Class 7 (radioactive) materials, to make necessary rest, fuel or motor vehicle repair stops, or because emergency conditions make continued use of the preferred route unsafe or impossible;

(2) For pickup and delivery not over preferred routes, the route selected must be the shortest-distance route from the pickup location to the nearest preferred route entry location, and the shortest-distance route to the delivery location from the nearest preferred route exit location. Deviation from the

shortest-distance pickup or delivery route is authorized if such deviation:

(i) Is based upon the criteria in paragraph (a) of this section to minimize the radiological risk; and

(ii) Does not exceed the shortest-distance pickup or delivery route by more than 25 miles and does not exceed 5 times the length of the shortest-distance pickup or delivery route.

(iii) Deviations from preferred routes, or pickup or delivery routes other than preferred routes, which are necessary for rest, fuel, or motor vehicle repair stops or because of emergency conditions, shall be made in accordance with the criteria in paragraph (a) of this section to minimize radiological risk, unless due to emergency conditions, time does not permit use of those criteria.

(d) A carrier (or a designated agent) who operates a motor vehicle which contains a package of highway route controlled quantity of Class 7 (radioactive) materials, as defined in 49 CFR 173.403(l), shall prepare a written route plan and supply a copy before departure to the motor vehicle driver and a copy to the shipper (before departure for exclusive use shipments, as defined in 49 CFR 173.403(i), or within fifteen working days following departure for all other shipments). Any variation between the route plan and routes actually used, and the reason for it, shall be reported in an amendment to the route plan delivered to the shipper as soon as practicable but within 30 days following the deviation. The route plan shall contain:

(1) A statement of the origin and destination points, a route selected in compliance with this section, all planned stops, and estimated departure and arrival times; and

(2) Telephone numbers which will access emergency assistance in each State to be entered.

(e) No person may transport a package of highway route controlled quantity of Class 7 (radioactive) materials on a public highway unless:

(1) The driver has received within the two preceding years, written training on:

(i) Requirements in 49 CFR parts 172, 173, and 177 pertaining to the Class 7 (radioactive) materials transported;

(ii) The properties and hazards of the Class 7 (radioactive) materials being transported; and

(iii) Procedures to be followed in case of an accident or other emergency.

(2) The driver has in his or her immediate possession a certificate of training as evidence of training required by this section, and a copy is placed in his or her qualification file (see § 391.51 of this subchapter), showing:

(i) The driver's name and operator's license number;

(ii) The dates training was provided;

(iii) The name and address of the person providing the training;

(iv) That the driver has been trained in the hazards and characteristics of highway route controlled quantity of Class 7 (radioactive) materials; and

(v) A statement by the person providing the training that information on the certificate is accurate.

(3) The driver has in his or her immediate possession the route plan required by paragraph (d) of this section and operates the motor vehicle in accordance with the route plan.

(f) A person may transport irradiated reactor fuel only in compliance with a plan if required under 49 CFR 173.22(c) that will ensure the physical security of the material. Variation for security purposes from the requirements of this section is permitted so far as necessary to meet the requirements imposed under such a plan, or otherwise imposed by the U.S. Nuclear Regulatory Commission in 10 CFR part 73.

(g) Except for packages shipped in compliance with the physical security requirements of the U.S. Nuclear Regulatory Commission in 10 CFR part 73, each carrier who accepts for transportation a highway route controlled quantity of Class 7 (radioactive) material (see 49 CFR 173.401(1)), must, within 90 days following the acceptance of the package, file the following information concerning the transportation of each such package with the Office of Enforcement and Compliance (MC-PSDECH), Federal Motor Carrier Safety Administration, 400 Seventh Street, SW., Washington, DC 20590-0001:

(1) The route plan required under paragraph (d) of this section, including all required amendments reflecting the routes actually used;

(2) A statement identifying the names and addresses of the shipper, carrier and consignee; and

(3) A copy of the shipping paper or the description of the Class 7 (radioactive) material in the shipment required by 49 CFR 172.202 and 172.203.

[57 FR 44131, Sept. 24, 1992, as amended at 66 FR 49874, Oct. 1, 2001]

§ 397.103 Requirements for State routing designations.

(a) The State routing agency, as defined in § 397.201(c), shall select routes to minimize radiological risk using "Guidelines for Selecting Preferred Highway Routes for Highway Route Controlled Quantity Shipments of Radioactive Materials," or an equivalent routing analysis which adequately considers overall risk to the public. Designations must be preceded by substantive consultation with affected local jurisdictions and with any other affected States to ensure consideration of all impacts and continuity of designated routes.

(b) State routing agencies may designate preferred routes as an alternative to, or in addition to, one or more Interstate System highways, including interstate system bypasses, or Interstate System beltways.

(c) A State-designated route is effective when—

(1) The State gives written notice by certified mail, return receipt requested, to the Office of Enforcement and Compliance (MC-PSDECH), Attn: National Hazardous Materials Route Registry, 400 Seventh Street, SW., Washington, DC 20590.

(2) Receipt thereof is acknowledged in writing by the FMCSA.

(d) A list of State-designated preferred routes and a copy of the "Guidelines for Selecting Preferred Highway Routes for Highway Route Controlled Quantity Shipments of Radioactive Materials" are available upon request to Office of Enforcement and Compliance (MC-PSDECH), 400 Seventh Street, SW., Washington, DC 20590.

[57 FR 44131, Sept. 24, 1992, as amended at 66 FR 49874, Oct. 1, 2001]

Subpart E—Preemption Procedures

SOURCE: 57 FR 44132, Sept. 24, 1992, unless otherwise noted.

§397.201 Purpose and scope of the procedures.

(a) This subpart prescribes procedures by which:

(1) Any person, including a State, political subdivision thereof, or Indian tribe, directly affected by any highway routing designation for hazardous materials may apply to the Administrator for a determination as to whether that highway routing designation is preempted under 49 U.S.C. 5125, or §397.69 or §397.203 of this part; and

(2) A State, political subdivision thereof, or Indian tribe may apply to the Administrator for a waiver of preemption with respect to any highway routing designation that the State, political subdivision thereof, or Indian tribe acknowledges to be preempted by 49 U.S.C. 5125, or §397.69 or §397.203 of this part, or that has been determined by a court of competent jurisdiction to be so preempted.

(b) Unless otherwise ordered by the Administrator, an application for a preemption determination which includes an application for a waiver of preemption will be treated and processed solely as an application for a preemption determination.

(c) For purposes of this part:

Act means 49 U.S.C. 5101 *et seq.*, formerly known as the Hazardous Materials Transportation Act.

Administrator means the Federal Highway Administrator, who is the chief executive of the Federal Motor Carrier Safety Administration, an agency of the United States Department of Transportation, or his/her designate.

Hazardous material means a substance or material, including a hazardous substance, which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, or property, when transported in commerce, and which has been so designated.

Indian tribe has the same meaning as contained in section 4 of the Indian

Self-Determination and Education Act, 25 U.S.C. 450b.

Person means an individual, firm, co-partnership, corporation, company, association, joint-stock association, including any trustee, receiver, assignee, or similar representative thereof, or government, Indian tribe, or agency or instrumentality of any government or Indian tribe when it offers hazardous materials for transportation in commerce or transports hazardous materials in furtherance of a commercial enterprise, but such term does not include the United States Postal Service.

Political subdivision includes a municipality; a public agency or other instrumentality of one or more States, or a public corporation, board, or commission established under the laws of one or more States.

Routing agency means the State highway agency or other State agency designated by the Governor of a State, or an agency designated by an Indian tribe, to supervise, coordinate, and approve the highway routing designations for that State or Indian tribe. Any highway routing designation made by a political subdivision of a State shall be considered a designation made by that State.

Routing designation includes any regulation, limitation, restriction, curfew, time of travel restriction, lane restriction, routing ban, port-of-entry designation, or route weight restriction applicable to the highway transportation of hazardous materials over a specific highway route or portion of a route.

State means a State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, the Commonwealth of the Northern Mariana Islands, the Virgin Islands, American Samoa, Guam, or any other territory or possession of the United States designated by the Secretary.

[57 FR 44132, Sept. 24, 1992, as amended at 59 FR 51834, Oct. 12, 1994]

§397.203 Standards for determining preemption.

(a) Any highway routing designation established, maintained, or enforced by a State, political subdivision thereof, or Indian tribe is preempted if—

(1) Compliance with both the highway routing designation and any requirement under the Act or of a regulation issued under the Act is not possible;

(2) The highway routing designation as applied or enforced creates an obstacle to the accomplishment and execution of the Act or the regulations issued under the Act; or

(3) The highway routing designation is preempted pursuant to §397.69(b) of this part.

(b) [Reserved]

[57 FR 44132, Sept. 24, 1992, as amended at 59 FR 51834, Oct. 12, 1994]

§ 397.205 Preemption application.

(a) Any person, including a State, political subdivision thereof, or Indian tribe directly affected by any highway routing designation of another State, political subdivision, or Indian tribe, may apply to the Administrator for a determination of whether that highway routing designation is preempted by the Act or §397.203 of this subpart. The Administrator shall publish notice of the application in the FEDERAL REGISTER.

(b) Each application filed under this section for a determination must:

(1) Be submitted to the Administrator, Federal Motor Carrier Safety Administration, U.S. Department of Transportation, Washington, DC 20590-0001. Attention: Office of the chief Counsel (MC-PSDCC), Hazardous Materials Preemption;

(2) Set forth a detailed description of the highway routing designation of the State, political subdivision thereof, or Indian tribe for which the determination is sought;

(3) If applicable, specify the provisions of the Act or the regulations issued under the Act under which the applicant seeks preemption of the highway routing designation of the State, political subdivision thereof, or Indian tribe;

(4) Explain why the applicant believes the highway routing designation of the State, political subdivision thereof, or Indian tribe should or should not be preempted under the standards of §397.203; and

(5) State how the applicant is affected by the highway routing designa-

tion of the State, political subdivision thereof, or Indian tribe.

(c) The filing of an application for a determination under this section does not constitute grounds for noncompliance with any requirement of the Act or any regulation issued under the Act.

(d) Once the Administrator has published notice in the FEDERAL REGISTER of an application received under paragraph (a) of this section, no applicant for such determination may seek relief with respect to the same or substantially the same issue in any court until final action has been taken on the application or until 180 days after filing of the application, whichever occurs first. Nothing in this section shall be construed as prohibiting any person, including a State, political subdivision thereof, or Indian tribe, directly affected by any highway routing designation from seeking a determination of preemption in any court of competent jurisdiction in lieu of applying to the Administrator under paragraph (a) of this section.

§ 397.207 Preemption notice.

(a) If the applicant is other than a State, political subdivision thereof, or Indian tribe, the applicant shall mail a copy of the application to the State, political subdivision thereof, or Indian tribe concerned, accompanied by a statement that comments may be submitted regarding the application to the Administrator within 45 days. The application filed with the Administrator must include a certification that the applicant has complied with this paragraph and must include the names and addresses of each official to whom a copy of the application was sent.

(b) The Administrator may afford interested persons an opportunity to file written comments on the application by serving notice on any persons readily identifiable by the Administrator as persons who will be affected by the ruling sought or by publication in the FEDERAL REGISTER.

(c) Each person submitting written comments to the Administrator with respect to an application filed under this section shall send a copy of the comments to the applicant and certify to the Administrator that he or she has complied with this requirement. The

Administrator may notify other persons participating in the proceeding of the comments and provide an opportunity for those other persons to respond.

§ 397.209 Preemption processing.

(a) The Administrator may initiate an investigation of any statement in an application and utilize in his or her evaluation any relevant facts obtained by that investigation. The Administrator may solicit and accept submissions from third persons relevant to an application and will provide the applicant an opportunity to respond to all third person submissions. In evaluating an application, the Administrator may consider any other source of information. The Administrator may convene a hearing or conference, if a hearing or conference will advance the evaluation of the application.

(b) The Administrator may dismiss the application without prejudice if:

- (1) he or she determines that there is insufficient information upon which to base a determination; or
- (2) he or she requests additional information from the applicant and it is not submitted.

§ 397.211 Preemption determination.

(a) Upon consideration of the application and other relevant information received, the Administrator issues a determination.

(b) Notwithstanding that an application for a determination has not been filed under § 397.205, the Administrator, on his or her own initiative, may issue a determination as to whether a particular highway routing designation of a State, political subdivision thereof, or Indian tribe is preempted under the Act or the regulations issued under the Act.

(c) The determination includes a written statement setting forth the relevant facts and the legal basis for the determination, and provides that any person aggrieved thereby may file a petition for reconsideration within 20 days in accordance with § 397.223.

(d) Unless the determination is issued pursuant to paragraph (b) of this section, the Administrator serves a copy of the determination upon the applicant. In all preemption determinations,

the Administrator serves a copy of the determination upon any other person who participated in the proceeding or who is readily identifiable by the Administrator as affected by the determination. A copy of each determination is placed on file in the public docket. The Administrator may publish the determination or notice of the determination in the FEDERAL REGISTER.

(e) If no petition for reconsideration is filed within 20 days in accordance with § 397.223, a determination issued under this section constitutes the final agency decision as to whether a particular highway routing designation of a State, political subdivision thereof, or Indian tribe is preempted under the Act or regulations issued thereunder. The fact that a determination has not been issued under this section with respect to a particular highway routing designation of a State, political subdivision thereof, or Indian tribe carries no implication as to whether the requirement is preempted under the Act or regulations issued thereunder.

§ 397.213 Waiver of preemption application.

(a) Any State, political subdivision thereof, or Indian tribe may apply to the Administrator for a waiver of preemption with respect to any highway routing designation that the State, political subdivision thereof, or Indian tribe acknowledges to be preempted by the Act, § 397.203 of this subpart, or a court of competent jurisdiction. The Administrator may waive preemption with respect to such requirement upon a determination that such requirement—

- (1) Affords an equal or greater level of protection to the public than is afforded by the requirements of the Act or regulations issued under the Act, and
- (2) Does not unreasonably burden commerce.

(b) Each application filed under this section for a waiver of preemption determination must:

- (1) Be submitted to the Administrator, Federal Motor Carrier Safety Administration, U.S. Department of Transportation, Washington, DC 20590-0001. Attention: Office of the Chief

Counsel (MC–CC), Hazardous Materials Preemption Docket;

(2) Set forth a detailed description of the highway routing designation of the State, political subdivision thereof, or Indian tribe for which the determination is being sought;

(3) Include a copy of any relevant court order or determination issued pursuant to § 397.211;

(4) Contain an express acknowledgment by the applicant that the highway routing designation of the State, political subdivision thereof, or Indian tribe is preempted under the Act or the regulations issued under the Act, unless it has been so determined by a court of competent jurisdiction or in a determination issued under this subpart;

(5) Specify each provision of the Act or the regulations issued under the Act that preempts the highway routing designation of the State, political subdivision thereof, or Indian tribe;

(6) State why the applicant believes that the highway routing designation of the State, political subdivision thereof, or Indian tribe affords an equal or greater level of protection to the public than is afforded by the requirements of the Act or the regulations issued under the Act;

(7) State why the applicant believes that the highway routing designation of the State, political subdivision thereof, or Indian tribe does not unreasonably burden commerce; and

(8) Specify what steps the State, political subdivision thereof, or Indian tribe is taking to administer and enforce effectively the preempted requirement.

§ 397.215 Waiver notice.

(a) The applicant State, political subdivision thereof, or Indian tribe shall mail a copy of the application and any subsequent amendments or other documents relating to the application to each person whom the applicant reasonably ascertains will be affected by the determination sought. The copy of the application must be accompanied by a statement that the person may submit comments regarding the application to the Administrator within 45 days. The application filed with the Administrator must include a certifi-

cation with the application has complied with this paragraph and must include the names and addresses of each person to whom the application was sent.

(b) Notwithstanding the provisions of paragraph (a) of this section, if the State, political subdivision thereof, or Indian tribe determines that compliance with paragraph (a) of this section would be impracticable, the applicant shall:

(1) Comply with the requirements of paragraph (a) of this section with regard to those persons whom it is reasonable and practicable to notify; and

(2) Include with the application filed with the Administrator a description of the persons or class or classes of persons to whom notice was not sent.

(c) The Administrator may require the applicant to provide notice in addition to that required by paragraphs (a) and (b) of this section, or may determine that the notice required by paragraph (a) of this section is not impracticable, or that notice should be published in the FEDERAL REGISTER.

(d) The Administrator may serve notice on any other persons readily identifiable by the Administrator as persons who will be affected by the determination sought and may afford those persons an opportunity to file written comments on the application.

(e) Any person submitting written comments to the Administrator with respect to an application filed under this section shall send a copy of the comments to the applicant. The person shall certify to the Administrator that he or she has complied with the requirements of this paragraph. The Administrator may notify other persons participating in the proceeding of the comments and provide an opportunity for those other persons to respond.

§ 397.217 Waiver processing.

(a) The Administrator may initiate an investigation of any statement in an application and utilize any relevant facts obtained by that investigation. The Administrator may solicit and accept submissions from third persons relevant to an application and will provide the applicant an opportunity to respond to all third person submissions. In evaluating an application, the

Administrator may convene a hearing or conference, if a hearing or conference will advance the evaluation of the application.

(b) The Administrator may dismiss the application without prejudice if:

(1) he or she determines that there is insufficient information upon which to base a determination;

(2) Upon his or her request, additional information is not submitted by the applicant; or

(3) The applicant fails to provide the notice required by this subpart.

(c) Except as provided in this subpart, the Administrator will only consider an application for a waiver of preemption determination if:

(1) The applicant expressly acknowledges in its application that the highway routing designation of the State, political subdivision thereof, or Indian tribe for which the determination is sought is preempted by the Act or the regulations thereunder; or

(2) The highway routing designation of the State, political subdivision thereof, or Indian tribe has been determined by a court of competent jurisdiction or in a determination issued pursuant to § 397.211 to be preempted by the Act or the regulations issued thereunder.

(d) When the Administrator has received all substantive information necessary to process an application for a waiver of preemption determination, notice of that fact will be served upon the applicant. Additional notice to all other persons who received notice of the proceeding may be served by publishing a notice in the FEDERAL REGISTER.

§ 397.219 Waiver determination and order.

(a) Upon consideration of the application and other relevant information received or obtained during the proceeding, the Administrator issues an order setting forth his or her determination.

(b) The Administrator may issue a waiver of preemption order only if he or she finds that the requirement of the State, political subdivision thereof, or Indian tribe affords the public a level of safety at least equal to that afforded by the requirements of the Act

and the regulations issued under the Act and does not unreasonably burden commerce. In determining whether the requirement of the State, political subdivision thereof, or Indian tribe unreasonably burdens commerce, the Administrator may consider the following factors:

(1) The extent to which increased costs and impairment of efficiency result from the highway routing designation of the State, political subdivision thereof, or Indian tribe;

(2) Whether the highway routing designation of the State, political subdivision thereof, or Indian tribe has a rational basis;

(3) Whether the highway routing designation of the State, political subdivision thereof, or Indian tribe achieves its stated purpose; and

(4) Whether there is need for uniformity with regard to the subject concerned and if so, whether the highway routing designation of the State, political subdivision thereof, or Indian tribe competes or conflicts with those of other States, political subdivisions thereof, or Indian tribes.

(c) The order includes a written statement setting forth the relevant facts and the legal basis for the determination, and provides that any person aggrieved by the order may file a petition for reconsideration in accordance with § 397.223.

(d) The Administrator serves a copy of the order upon the applicant, any other person who participated in the proceeding and upon any other person readily identifiable by the Administrator as one who may be affected by the order. A copy of each order is placed on file in the public docket. The Administrator may publish the order or notice of the order in the FEDERAL REGISTER.

(e) If no petition for reconsideration is filed within 20 days in accordance with § 397.223, an order issued under this section constitutes the final agency decision regarding whether a particular requirement of a State, political subdivision thereof, or Indian tribe is preempted under the Act or any regulations issued thereunder, or whether preemption is waived.

§ 397.221 **Timeliness.**

If the Administrator fails to take action on the application within 90 days of serving the notice required by § 397.217(d), the applicant may treat the application as having been denied in all respects.

§ 397.223 **Petition for reconsideration.**

(a) Any person aggrieved by an order issued under § 397.211 or § 397.219 may file a petition for reconsideration with the Administrator. The petition must be filed within 20 days of service of the determination or order issued under the above sections.

(b) The petition must contain a concise statement of the basis for seeking reconsideration, including any specific factual or legal errors, or material information not previously available.

(c) The petitioner shall mail a copy of the petition to each person who participated, either as an applicant or routing, in the waiver of preemption proceeding, accompanied by a statement that the person may submit comments concerning the petition to the Administrator within 20 days. The petition filed with the Administrator must contain a certification that the petitioner has complied with this paragraph and include the names and addresses of all persons to whom a copy of the petition was sent.

(d) The Administrator's decision under this section constitutes the final agency decision. If no petition for reconsideration is filed under this section, then the determination issued under § 397.211 or § 397.219 becomes the final agency decision at the end of the 20 day period.

§ 397.225 **Judicial review.**

A party to a proceeding under § 397.205(a), § 397.213(a), or § 397.223(a) may seek review by the appropriate district court of the United States of the decision of the Administrator under such proceeding only by filing a petition with such court within 60 days after the final agency decision.

PART 398—TRANSPORTATION OF MIGRANT WORKERS

Sec.

398.1 Definitions.

398.2 Applicability.

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398.4 Driving of motor vehicles.

398.5 Parts and accessories necessary for safe operation.

398.6 Hours of service of drivers; maximum driving time.

398.7 Inspection and maintenance of motor vehicles.

398.8 Administration inspection of motor vehicles in operation.

AUTHORITY: 49 U.S.C. 13301, 13902, 31132, 31133, 31136, 31502, and 31504; sec. 204, Pub. L. 104-88, 109 Stat. 803, 941 (49 U.S.C. 701 note); sec. 212, Pub. L. 106-159, 113 Stat. 1748, 1766; and 49 CFR 1.73.

SOURCE: 33 FR 19765, Dec. 25, 1968, unless otherwise noted.

EDITORIAL NOTE: Nomenclature changes to part 398 appear at 66 FR 49874, Oct. 1, 2001.

§ 398.1 **Definitions.**

(a) *Migrant worker.* “Migrant worker” means any individual proceeding to or returning from employment in agriculture as defined in section 3(f) of the Fair Labor Standards Act of 1938, as amended (29 U.S.C. 203(f)) or section 3121(g) of the Internal Revenue Code of 1954 (26 U.S.C. 3121(g)).

(b) *Carrier of migrant workers by motor vehicle.* “Carrier of migrant worker by motor vehicle” means any person, including any “contract carrier by motor vehicle”, but not including any “common carrier by motor vehicle”, who or which transports in interstate or foreign commerce at any one time three or more migrant workers to or from their employment by any motor vehicle other than a passenger automobile or station wagon, except a migrant worker transporting himself/herself or his/her immediate family.

(c) *Motor carrier.* “Motor carrier” means any carrier of migrant workers by motor vehicle as defined in paragraph (b) of this section.

(d) *Motor vehicle.* “Motor vehicle” means any vehicle, machine, tractor, trailer, or semitrailer propelled or drawn by mechanical power and used upon the highways in the transportation of passengers or property, or any combination thereof, determined

by the Administration, but does not include a passenger automobile or station wagon, any vehicle, locomotive, or car operated exclusively on a rail or rails, or a trolley bus operated by electric power derived from a fixed overhead wire, furnishing local passenger transportation in street-railway service.

(e) *Bus*. "Bus" means any motor vehicle designed, constructed, and used for the transportation of passengers: Except passenger automobiles or station wagons other than taxicabs.

(f) *Truck*. "Truck" means any self-propelled motor vehicle except a truck tractor, designed and constructed primarily for the transportation of property.

(g) *Truck tractor*. "Truck tractor" means a self-propelled motor vehicle designed and used primarily for drawing other vehicles and not so constructed as to carry a load other than a part of the weight of the vehicle and load so drawn.

(h) *Semitrailer*. "Semitrailer" means any motor vehicle other than a "pole trailer", with or without motive power designed to be drawn by another motor vehicle and so constructed that some part of its weight rests upon the towing vehicle.

(i) *Driver or operator*. "Driver or operator" means any person who drives any motor vehicle.

(j) *Highway*. "Highway" means the entire width between the boundary lines of every way publicly maintained when any part thereof is open to the use of the public for purposes of vehicular traffic.

§ 398.2 Applicability.

(a) *General*. The regulations prescribed in this part are applicable to carriers of migrant workers by motor vehicle, as defined in § 398.1(b), but only in the case of transportation of any migrant worker for a total distance of more than 75 miles (120.7 kilometers) in interstate commerce, as defined in 49 CFR 390.5.

(b) *Exception*.

(1) The regulations prescribed in this part are not applicable to carriers of migrant workers by motor vehicle, as defined in § 398.1(b), when:

(i) The motor vehicle is designed or used to transport between 9 and 15 passengers (including the driver);

(ii) The motor carrier is directly compensated for the transportation service; and

(iii) The vehicle used to transport migrant workers is operated beyond a 75 air-mile radius (86.3 statute miles or 138.9 kilometers) from the driver's normal work-reporting location.

(2) Carriers of migrant workers by motor vehicle that operate vehicles, designed or used to transport between 9 and 15 passengers (including the driver) for direct compensation, in interstate commerce, must comply with the applicable requirements of 49 CFR parts 385, 390, 391, 392, 393, 395, and 396, when the motor vehicle is operated beyond a 75 air-mile radius (86.3 statute miles or 138.9 kilometers) from the driver's normal work-reporting location.

[68 FR 47875, Aug. 12, 2003]

§ 398.3 Qualifications of drivers or operators.

(a) *Compliance required*. Every motor carrier, and its officers, agents, representatives and employees who drive motor vehicles or are responsible for the hiring, supervision, training, assignment or dispatching of drivers shall comply and be conversant with the requirements of this part.

(b) *Minimum physical requirements*. No person shall drive, nor shall any motor carrier require or permit any person to drive, any motor vehicle unless such person possesses the following minimum qualifications:

(1) No loss of foot, leg, hand or arm,

(2) No mental, nervous, organic, or functional disease, likely to interfere with safe driving.

(3) No loss of fingers, impairment of use of foot, leg, fingers, hand or arm, or other structural defect or limitation, likely to interfere with safe driving.

(4) *Eyesight*: Visual acuity of at least 20/40 (Snellen) in each eye either without glasses or by correction with glasses; form field of vision in the horizontal meridian shall not be less than a total of 140 degrees; ability to distinguish colors red, green and yellow; drivers requiring correction by glasses shall wear properly prescribed glasses at all times when driving.

(5) *Hearing:* Hearing shall not be less than 10/20 in the better ear, for conversational tones, without a hearing aid.

(6) *Liquor, narcotics and drugs:* Shall not be addicted to the use of narcotics or habit forming drugs, or the excessive use of alcoholic beverages or liquors.

(7) *Initial and periodic physical examination of drivers:* No person shall drive nor shall any motor carrier require or permit any person to drive any motor vehicle unless within the immediately preceding 36 month period such person shall have been physically examined and shall have been certified in accordance with the provisions of paragraph (b)(8) of this section by a licensed doctor of medicine or osteopathy as meeting the requirements of this subsection.

(8) *Certificate of physical examination:* Every motor carrier shall have in its files at its principal place of business for every driver employed or used by it a legible certificate of a licensed doctor of medicine or osteopathy based on a physical examination as required by paragraph (b)(7) of this section or a legible photographically reproduced copy thereof, and every driver shall have in his/her possession while driving, such a certificate or a photographically reproduced copy thereof covering himself/herself.

(9) *Doctor's certificate:* The doctor's certificate shall certify as follows:

DOCTOR'S CERTIFICATE

(Driver of Migrant Workers)

This is to certify that I have this day examined _____ in accordance with § 398.3(b) of the Federal Motor Carrier Safety Regulations of the Federal Motor Carrier Safety Administration and that I find him/her

- Qualified under said rules
- Qualified only when wearing glasses

I have kept on file in my office a completed examination.

_____ (Date)

(Place)

(Signature of examining doctor)

(Address of doctor)

Signature of driver _____
Address of driver _____

(c) *Minimum age and experience requirements.* No person shall drive, nor shall any motor carrier require or permit any person to drive, any motor vehicle unless such person possesses the following minimum qualifications:

(1) *Age.* Minimum age shall be 21 years.

(2) *Driving skill.* Experience in driving some type of motor vehicle (including private automobiles) for not less than one year, including experience throughout the four seasons.

(3) *Knowledge of regulations.* Familiarity with the rules and regulations prescribed in this part pertaining to the driving of motor vehicles.

(4) *Knowledge of English.* Every driver shall be able to read and speak the English language sufficiently to understand highway traffic signs and signals and directions given in English and to respond to official inquiries.

(5) *Driver's permit.* Possession of a valid permit qualifying the driver to operate the type of vehicle driven by him/her in the jurisdiction by which the permit is issued.

[33 FR 19765, Dec. 25, 1968, as amended at 40 FR 44557, Sept. 29, 1975]

§ 398.4 Driving of motor vehicles.

(a) *Compliance required.* Every motor carrier shall comply with the requirements of this part, shall instruct its officers, agents, representatives and drivers with respect thereto, and shall take such measures as are necessary to insure compliance therewith by such persons. All officers, agents, representatives, drivers, and employees of motor carriers directly concerned with the management, maintenance, operation, or driving of motor vehicles, shall comply with and be conversant with the requirements of this part.

(b) *Driving rules to be obeyed.* Every motor vehicle shall be driven in accordance with the laws, ordinances, and regulations of the jurisdiction in which it is being operated, unless such laws, ordinances and regulations are at variance with specific regulations of this Administration which impose a greater affirmative obligation or restraint.

(c) *Driving while ill or fatigued.* No driver shall drive or be required or permitted to drive a motor vehicle while

his/her ability or alertness is so impaired through fatigue, illness, or any other cause as to make it unsafe for him/her to begin or continue to drive, except in case of grave emergency where the hazard to passengers would be increased by observance of this section and then only to the nearest point at which the safety of passengers is assured.

(d) *Alcoholic beverages.* No driver shall drive or be required or permitted to drive a motor vehicle, be in active control of any such vehicle, or go on duty or remain on duty, when under the influence of any alcoholic beverage or liquor, regardless of its alcoholic content, nor shall any driver drink any such beverage or liquor while on duty.

(e) *Schedules to conform with speed limits.* No motor carrier shall permit nor require the operation of any motor vehicle between points in such period of time as would necessitate the vehicle being operated at speeds greater than those prescribed by the jurisdictions in or through which the vehicle is being operated.

(f) *Equipment and emergency devices.* No motor vehicle shall be driven unless the driver thereof shall have satisfied himself/herself that the following parts, accessories, and emergency devices are in good working order; nor shall any driver fail to use or make use of such parts, accessories, and devices when and as needed:

- Service brakes, including trailer brake connections.
- Parking (hand) brake.
- Steering mechanism.
- Lighting devices and reflectors.
- Tires.
- Horn.
- Windshield wiper or wipers.
- Rear-vision mirror or mirrors.
- Coupling devices.
- Fire extinguisher, at least one properly mounted.
- Road warning devices, at least one red burning fusee and at least three flares (oil burning pot torches), red electric lanterns, or red emergency reflectors.

(g) *Safe loading*—(1) *Distribution and securing of load.* No motor vehicle shall be driven nor shall any motor carrier permit or require any motor vehicle to be driven if it is so loaded, or if the load thereon is so improperly distrib-

uted or so inadequately secured, as to prevent its safe operation.

(2) *Doors, tarpaulins, tailgates and other equipment.* No motor vehicle shall be driven unless the tailgate, tailboard, tarpaulins, doors, all equipment and rigging used in the operation of said vehicle, and all means of fastening the load, are securely in place.

(3) *Interference with driver.* No motor vehicle shall be driven when any object obscures his/her view ahead, or to the right or left sides, or to the rear, or interferes with the free movement of his/her arms or legs, or prevents his/her free and ready access to the accessories required for emergencies, or prevents the free and ready exit of any person from the cab or driver's compartment.

(4) *Property on motor vehicles.* No vehicle transporting persons and property shall be driven unless such property is stowed in a manner which will assure:

- (i) Unrestricted freedom of motion to the driver for proper operation of the vehicle;
- (ii) Unobstructed passage to all exits by any person; and
- (iii) Adequate protection to passengers and others from injury as a result of the displacement or falling of such articles.

(5) *Maximum passengers on motor vehicles.* No motor vehicle shall be driven if the total number of passengers exceeds the seating capacity which will be permitted on seats prescribed in §398.5(f) when that section is effective. All passengers carried on such vehicle shall remain seated while the motor vehicle is in motion.

(h) *Rest and meal stops.* Every carrier shall provide for reasonable rest stops at least once between meal stops. Meal stops shall be made at intervals not to exceed six hours and shall be for a period of not less than 30 minutes duration.

(i) *Kinds of motor vehicles in which workers may be transported.* Workers may be transported in or on only the following types of motor vehicles: A bus, a truck with no trailer attached, or a semitrailer attached to a truck-tractor provided that no other trailer is attached to the semitrailer. Closed vans without windows or means to assure ventilation shall not be used.

(j) *Limitation on distance of travel in trucks.* Any truck when used for the transportation of migrant workers, if such workers are being transported in excess of 600 miles, shall be stopped for a period of not less than eight consecutive hours either before or upon completion of 600 miles travel, and either before or upon completion of any subsequent 600 miles travel to provide rest for drivers and passengers.

(k) *Lighting devices and reflectors.* No motor vehicle shall be driven when any of the required lamps or reflectors are obscured by the tailboard, by any and all lighting devices required by subpart B of part 393 of this subchapter shall be lighted during darkness or at any other time when there is not sufficient light to render vehicles and persons visible upon the highway at a distance of 500 feet.

(l) *Ignition of fuel; prevention.* No driver or any employee of a motor carrier shall:

(1) Fuel a motor vehicle with the engine running, except when it is necessary to run the engine to fuel the vehicle;

(2) Smoke or expose any open flame in the vicinity of a vehicle being fueled;

(3) Fuel a motor vehicle unless the nozzle of the fuel hose is continuously in contact with the intake pipe of the fuel tank;

(4) Permit any other person to engage in such activities as would be likely to result in fire or explosion.

(m) *Reserve fuel.* No supply of fuel for the propulsion of any motor vehicle or for the operation of any accessory thereof shall be carried on the motor vehicle except in a properly mounted fuel tank or tanks.

(n) *Driving by unauthorized person.* Except in case of emergency, no driver shall permit a motor vehicle to which he/she is assigned to be driven by any person not authorized to drive such vehicle by the motor carrier in control thereof.

(o) *Protection of passengers from weather.* No motor vehicle shall be driven while transporting passengers unless the passengers therein are protected from inclement weather conditions such as rain, snow, or sleet, by

use of the top or protective devices required by § 398.5(f).

(p) *Unattended vehicles; precautions.* No motor vehicle shall be left unattended by the driver until the parking brake has been securely set, the wheels chocked, and all reasonable precautions have been taken to prevent the movement of such vehicle.

(q) *Railroad grade crossings; stopping required; sign on rear of vehicle.* Every motor vehicle shall, upon approaching any railroad grade crossing, make a full stop not more than 50 feet, nor less than 15 feet from the nearest rail of such railroad grade crossing, and shall not proceed until due caution has been taken to ascertain that the course is clear; except that a full stop need not be made at:

(1) A street car crossing within a business or residence district of a municipality;

(2) A railroad grade crossing where a police officer or a traffic-control signal (not a railroad flashing signal) directs traffic to proceed;

(3) An abandoned or exempted grade crossing which is clearly marked as such by or with the consent of the proper state authority, when such marking can be read from the driver's position.

All such motor vehicles shall display a sign on the rear reading, "This Vehicle Stops at Railroad Crossings."

[33 FR 19765, Dec. 25, 1968, as amended at 40 FR 44557, Sept. 29, 1975]

§ 398.5 Parts and accessories necessary for safe operation.

(a) *Compliance.* Every motor carrier and its officers, agents, drivers, representatives and employees directly concerned with the installation and maintenance of equipment and accessories shall comply and be conversant with the requirements and specifications of this part, and no motor carrier shall operate any motor vehicle, or cause or permit it to be operated, unless it is equipped in accordance with said requirements and specifications.

(b) *Lighting devices.* Every motor vehicle shall be equipped with the lighting devices and reflectors required by subpart B of part 393 of this subchapter.

(c) *Brakes.* Every motor vehicle shall be equipped with brakes as required by subpart C of part 393 of this subchapter, except §393.44 of this subchapter, and shall satisfy the braking performance requirements contained therein.

(d) *Coupling devices; fifth wheel mounting and locking.* The lower half of every fifth wheel mounted on any truck-tractor or dolly shall be securely affixed to the frame thereof by U-bolts of adequate size, securely tightened, or by other means providing at least equivalent security. Such U-bolts shall not be of welded construction. The installation shall be such as not to cause cracking, warping, or deformation of the frame. Adequate means shall be provided positively to prevent the shifting of the lower half of a fifth wheel on the frame to which it is attached. The upper half of every fifth wheel shall be fastened to the motor vehicle with at least the security required for the securing of the lower half to a truck-tractor or dolly. Locking means shall be provided in every fifth wheel mechanism including adapters when used, so that the upper and lower halves may not be separated without the operation of a positive manual release. A release mechanism operated by the driver from the cab shall be deemed to meet this requirement. On fifth wheels designed and constructed as to be readily separable, the fifth wheel locking devices shall apply automatically on coupling for any motor vehicle the date of manufacture of which is subsequent to December 31, 1952.

(e) *Tires.* Every motor vehicle shall be equipped with tires of adequate capacity to support its gross weight. No motor vehicle shall be operated on tires which have been worn so smooth as to expose any tread fabric or which have any other defect likely to cause failure. No vehicle shall be operated while transporting passengers while using any tire which does not have tread configurations on that part of the tire which is in contact with the road surface. No vehicle transporting passengers shall be operated with regrooved, re-capped, or re-treaded tires on front wheels.

(f) *Passenger compartment.* Every motor vehicle transporting passengers, other than a bus, shall have a pas-

senger compartment meeting the following requirements:

(1) *Floors.* A substantially smooth floor, without protruding obstructions more than two inches high, except as are necessary for securing seats or other devices to the floor, and without cracks or holes.

(2) *Sides.* Side walls and ends above the floor at least 60 inches high, by attachment of sideboards to the permanent body construction if necessary. Stake body construction shall be constructed to comply with this requirement only if all six-inch or larger spaces between stakes are suitably closed to prevent passengers from falling off the vehicle.

(3) *Nails, screws, splinters.* The floor and the interior of the sides and ends of the passenger-carrying space shall be free of inwardly protruding nails, screws, splinters, or other projecting objects likely to be injurious to passengers or their apparel.

(4) *Seats.* On and after November 1, 1957, a seat shall be provided for each worker transported. The seats shall be: Securely attached to the vehicle during the course of transportation; not less than 16 inches nor more than 19 inches above the floor; at least 13 inches deep; equipped with backrests extending to a height of at least 36 inches above the floor, with at least 24 inches of space between the backrests or between the edges of the opposite seats when face to face; designed to provide at least 18 inches of seat for each passenger; without cracks more than two inches wide, and the exposed surfaces, if made of wood, planed or sanded smooth and free of splinters.

(5) *Protection from weather.* Whenever necessary to protect the passengers from inclement weather conditions, be equipped with a top at least 80 inches high above the floor and facilities for closing the sides and ends of the passenger-carrying compartment. Tarpaulins or other such removable devices for protection from the weather shall be secured in place.

(6) *Exit.* Adequate means of ingress and egress to and from the passenger space shall be provided on the rear or at the right side. Such means of ingress and egress shall be at least 18 inches wide. The top and the clear opening

shall be at least 60 inches high, or as high as the side wall of the passenger space if less than 60 inches. The bottom shall be at the floor of the passenger space.

(7) *Gates and doors.* Gates or doors shall be provided to close the means of ingress and egress and each such gate or door shall be equipped with at least one latch or other fastening device of such construction as to keep the gate or door securely closed during the course of transportation; and readily operative without the use of tools.

(8) *Ladders or steps.* Ladders or steps for the purpose of ingress or egress shall be used when necessary. The maximum verticle spacing of footholds shall not exceed 12 inches, except that the lowest step may be not more than 18 inches above the ground when the vehicle is empty.

(9) *Hand holds.* Hand holds or devices for similar purpose shall be provided to permit ingress and egress without hazard to passengers.

(10) *Emergency exit.* Vehicles with permanently affixed roofs shall be equipped with at least one emergency exit having a gate or door, latch and hand hold as prescribed in paragraphs (f) (7) and (9) of this section and located on a side or rear not equipped with the exit prescribed in paragraph (f)(6) of this section.

(11) *Communication with driver.* Means shall be provided to enable the passengers to communicate with the driver. Such means may include telephone, speaker tubes, buzzers, pull cords, or other mechanical or electrical means.

(g) *Protection from cold.* Every motor vehicle shall be provided with a safe means of protecting passengers from cold or undue exposure, but in no event shall heaters of the following types be used:

(1) *Exhaust heaters.* Any type of exhaust heater in which the engine exhaust gases are conducted into or through any space occupied by persons or any heater which conducts engine compartment air into any such space.

(2) *Unenclosed flame heaters.* Any type of heater employing a flame which is not fully enclosed.

(3) *Heaters permitting fuel leakage.* Any type of heater from the burner of which there could be spillage or leakage of

fuel upon the tilting or overturning of the vehicle in which it is mounted.

(4) *Heaters permitting air contamination.* Any heater taking air, heated or to be heated, from the engine compartment or from direct contact with any portion of the exhaust system; or any heater taking air in ducts from the outside atmosphere to be conveyed through the engine compartment, unless said ducts are so constructed and installed as to prevent contamination of the air so conveyed by exhaust or engine compartment gases.

(5) Any heater not securely fastened to the vehicle.

§ 398.6 Hours of service of drivers; maximum driving time.

No person shall drive nor shall any motor carrier permit or require a driver employed or used by it to drive or operate for more than 10 hours in the aggregate (excluding rest stops and stops for meals) in any period of 24 consecutive hours, unless such driver be afforded eight consecutive hours rest immediately following the 10 hours aggregate driving. The term “24 consecutive hours” as used in this part means any such period starting at the time the driver reports for duty.

§ 398.7 Inspection and maintenance of motor vehicles.

Every motor carrier shall systematically inspect and maintain or cause to be systematically maintained, all motor vehicles and their accessories subject to its control, to insure that such motor vehicles and accessories are in safe and proper operating condition.

§ 398.8 Administration inspection of motor vehicles in operation.

(a) *Administration personnel authorized to perform inspections.* All persons designated as Special Agents of the Federal Motor Carrier Safety Administration, as detailed in appendix B of chapter III of this title, are authorized to enter upon and perform inspections of motor carrier’s vehicles in operation.

(b) *Prescribed inspection report.* Form MCS 63, Driver-Equipment Compliance Check, shall be used to record findings from motor vehicles selected for final inspection by authorized Administration employees.

(c) *Motor vehicles declared "out of service"*. (1) Authorized Administration employees shall declare and mark "out of service" any motor vehicle which by reason of its mechanical condition or loading is so imminently hazardous to operate as to be likely to cause an accident or a breakdown. Form MCS 64, "Out of Service Vehicle" sticker shall be used to mark vehicles "out of service."

(2) No motor carrier shall require or permit any person to operate nor shall any person operate any motor vehicle declared and marked, "out of service" until all repairs required by the "out of service notice" on Form MCS 63 have been satisfactorily completed. The term operate as used in this section shall include towing the vehicle; provided, however, that vehicles marked "out of service" may be towed away by means of a vehicle using a crane or hoist; and provided further, that the vehicle combination consisting of the emergency towing vehicle and the "out of service" vehicle meets the performance requirements of §393.52.

(3) No person shall remove the "Out of Service Vehicle" sticker from any motor vehicle prior to completion of all repairs required by the "out of service notice" on Form MCS 63.

(4) The person or persons completing the repairs required by the "out of service notice" shall sign the "Certification of Repairman" in accordance with the terms prescribed on Form MCS 63, entering the name of his/her shop or garage and the date and time the required repairs were completed. If the driver completes the required repairs, he/she shall sign and complete the "Certification of Repairman."

(d) *Motor carrier's disposition of Form MCS 63*. (1) Motor carriers shall carefully examine Forms MCS 63. Any and all violations or mechanical defects noted thereon shall be corrected. To the extent drivers are shown not to be in compliance with the Federal Motor Carrier Safety Regulations, appropriate corrective action shall be taken by the motor carrier.

(2) Motor carriers shall complete the "Motor Carrier Certification of Action Taken" on Form MCS 63 in accordance with the terms prescribed thereon. Motor carriers shall return Forms MCS

63 to the address indicated upon Form MCS 63 within fifteen (15) days following the date of the vehicle inspection.

[33 FR 19765, Dec. 25, 1968, as amended at 40 FR 44557, Sept. 29, 1975]

PART 399—EMPLOYEE SAFETY AND HEALTH STANDARDS

Subparts A–K [Reserved]

Subpart L—Step, Handhold, and Deck Requirements for Commercial Motor Vehicles

- Sec.
- 399.201 Purpose and scope.
- 399.203 Applicability.
- 399.205 Definitions.
- 399.207 Truck and truck-tractor access requirements.
- 399.209 Test procedures.
- 399.211 Maintenance.

AUTHORITY: 49 U.S.C. 31502; and 49 CFR 1.73.

SOURCE: 44 FR 43732, July 26, 1979, unless otherwise noted.

EDITORIAL NOTE: Nomenclature changes to part 399 appear at 66 FR 49874, Oct. 1, 2001.

Subparts A–K [Reserved]

Subpart L—Step, Handhold, and Deck Requirements for Commercial Motor Vehicles

§ 399.201 Purpose and scope.

This subpart prescribes step, handhold, and deck requirements on commercial motor vehicles. These requirements are intended to enhance the safety of motor carrier employees.

§ 399.203 Applicability.

This subpart applies to all trucks and truck-tractors, having a high profile cab-over-engine (COE) configuration, for entrance, egress and back of cab access, manufactured on and after September 1, 1982.

[44 FR 43732, July 26, 1979, as amended at 46 FR 56799, Nov. 19, 1981]

§ 399.205 Definitions.

Cab-over-engine (COE) A truck or truck-tractor having all, or the front portion, of the engine under the cab.

COE—High profile A COE having the door sill step above the height of the front tires.

Deck plate A horizontal surface designed to provide a person with stable footing for the performance of work such as the connection and disconnection of air and electrical lines, gaining access to permanently-mounted equipment or machinery or for similar needs.

Door sill step Any step normally protected from the elements by the cab door when closed.

Effective peripheral grip Any shaped surface, free of sharp edges, in which a full grasp can be made to secure a handhold by a person.

Fingertip grasp A handhold surface which provides a person contact restricted to finger segments 1 and/or 2 only; or which limits wrap-around closure of finger segment 1 with the palm of the hand to 90 degrees as shown in Illustration I.

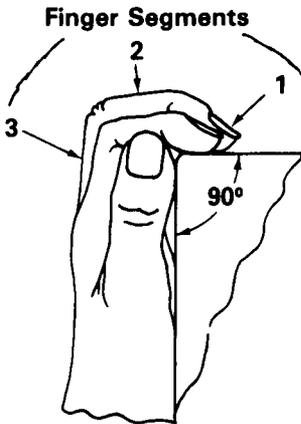


Illustration I
Fingertip Grasp

Full grasp A handhold surface which provides a person contact with finger segments 2 and 3 and which provides space for finger segment 1 to wrap around toward the palm of the hand beyond the 90-degree surface restriction shown in Illustration I. The handhold need not require contact between fingers and thumb. For example, the hand position shown in Illustration II qualifies as full grasp.

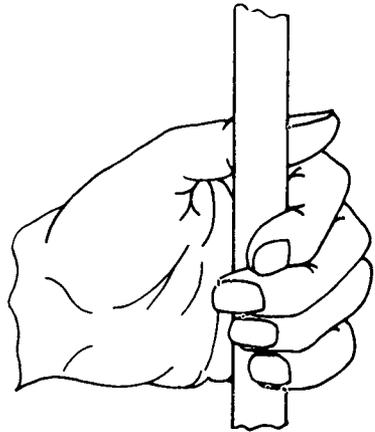


Illustration II
Full Grasp

Ground The flat horizontal surface on which the tires of a motor vehicle rest.

Handhold That which qualifies as providing full grasp if a person is able to find a hand position on the handhold which allows more than fingertip grasp.

Handprint The surface area contacted by the hand when grasping a handhold. The size of this area is the width of the hand across the metacarpal and half the circumference of the handhold. The hand breadth of the typical person is 88.9 millimeters (3.5 inches).

Person Any individual within the 5th percentile female adult through the 95th percentile male adult of anthropometric measures as described by the 1962 Health Examination Survey, "Weight, Height and Selected Body Dimensions of Adults, United States 1960-1962" which is incorporated by reference. It is Public Health Service publication No. 1000-Series 11-No. 8 and is for sale from the U.S. Department of Commerce, National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161. When ordering use NTIS Accession No. PB 267174. It is also available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html. This incorporation

by reference was approved by the Director of the Federal Register on July 17, 1979. These materials are incorporated as they exist on the date of the approval and a notice of any change in these materials will be published in the FEDERAL REGISTER.

Slip resistant material Any material designed to minimize the accumulation of grease, ice, mud or other debris and afford protection from accidental slipping.

§ 399.207 Truck and truck-tractor access requirements.

(a) *General rule.* Any person entering or exiting the cab or accessing the rear portion of a high profile COE truck or truck-tractor shall be afforded sufficient steps and handholds, and/or deck plates to allow the user to have at least 3 limbs in contact with the truck or truck-tractor at any time. This rule applies to intermediate positions as well as transition between intermediate positions. To allow for changes in climbing sequence, the step design shall include, as a minimum, one intermediate step of sufficient size to accommodate two feet. *Exception.* If air and electrical connections necessary to couple or uncouple a truck-tractor from a trailer are accessible from the ground, no step, handholds or deck plates are required to permit access to the rear of the cab.

(b) *Performance requirements.* All high profile COE trucks or truck-tractors shall be equipped on each side of the vehicle where a seat is located, with a sufficient number of steps and handholds to conform with the requirements of paragraph (a) of this section and shall meet the performance requirements:

(1) *Vertical height.* All measurements of vertical height shall be made from ground level with the vehicle at unladen weight.

(2) *Distance between steps.* The distance between steps, up to and including the door sill step, shall provide any person a stable resting position which can be sustained without body motion and by exerting no more arm force than 35 percent of the person's body weight per grasp during all stages of entry and exit. This criterion applies to intermediate positions as well as transition between intermediate positions above ground level.

(i) When the ground provides the person foot support during entry or is the final step in the sequence during exit, and the step is 508 millimeters (20 inches) or more above ground, the stable resting position shall be achievable by the person using both hands to grasp the handhold(s) and requiring no more arm force than 35 percent of body weight per grasp.

(ii) The vertical height of the first step shall be no more than 609 millimeters (24 inches) from ground level.

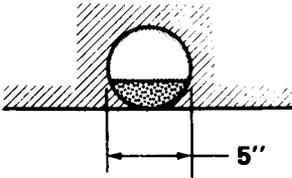
(3) *Construction.* Each step or deck plate shall be of a slip resistant design which minimizes the accumulation of foreign material. Wherever practicable, a self-cleaning material should be used.

(4) *Foot accommodation.* Step depth or clearance and step width necessary to accommodate a climbing person are defined by using a minimum 127 millimeter (5 inch) diameter disc as shown in Illustration III.

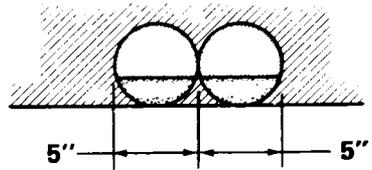
(i) *Single foot accommodation.* The disc shall fit on a tread rung, or in a step recess, with no exterior overhang.

(ii) *Two-foot accommodation.* Two discs shall fit on a tread rung, or in a step recess, with no exterior overhang.

Single - foot Accommodation



Two - foot Accommodation



**Illustration III
Foot Accommodation**

NOTE: The 127 millimeter (5 inch) disc is only intended to test for a minimum depth and width requirement. The step need not retain the disc at rest.

(5) *Step strength.* Each step must withstand a vertical static load of at least 204 kilograms (450 pounds) uniformly distributed over any 127 millimeter (5 inch) increment of step width.

(6) *Handhold location.* A handhold must be located within the reach of any person entering or exiting the vehicle.

(7) *Exterior mounting specifications for handholds.* Each handhold, affixed to the exterior of the vehicle, shall have at least 38 millimeters (1.5 inches) clearance between the handhold and the surface to which it is mounted for the distance between its mounting points.

(8) *Handhold size and shape.* Each handhold shall be free of sharp edges (minimum 1 millimeter [0.04 inch] radius) and have an effective peripheral grip length that permits full grasp by any person.

(9) *Handhold strength.* Each handhold shall withstand a horizontal static load of at least 114 kilograms (250 pounds) uniformly distributed over the area of a hand print and applied away from the mounting surface.

(10) *Deck plates.* Deck plates shall be on the rear of a truck-tractor as necessary to couple or uncouple air and/or electrical connections.

(11) *Deck plate strength.* Each deck plate shall be capable of withstanding the vertical static load of at least 205 kilograms (450 pounds) uniformly dis-

tributed over a 127 millimeter (5 inch) diameter disc.

§ 399.209 Test procedures.

(a) The force exerted on a handhold will be measured using a handheld spring scale or force transducer which can be attached to the vehicle and is free to rotate into alignment with a person's hand position.

(b) Hand grasp will be evaluated by observing the handgrip of any individual who conforms with the definition of "person" appearing in § 399.205 of this subpart.

§ 399.211 Maintenance.

All steps, handholds, and/or deck plates required by this subpart shall be adequately maintained to serve their intended function.

APPENDIX A TO SUBCHAPTER B OF
CHAPTER III [RESERVED]

APPENDIX B TO SUBCHAPTER B OF
CHAPTER III—SPECIAL AGENTS

CAUTIONARY NOTE: This appendix relates only to Federal authority to enforce the regulations in this subchapter. In its present form, it has no application for the States and is not to be included in any adoption of these regulations by State authorities as a condition of eligibility for grants under part 350 of this chapter.

1. *Authority.* Persons appointed as special agents of the Federal Motor Carrier Safety Administration ("Administration"), are authorized to enter upon, to inspect, and to examine any and all lands, buildings, and equipment of motor carriers and other persons subject to the Interstate Commerce

Act, the Department of Transportation Act, and other related Acts, and to inspect and copy any and all accounts, books, records, memoranda, correspondence, and other documents of such carriers and other persons.

2. *Compliance.* Motor carriers and other persons subject to these Acts shall submit their accounts, books, records, memoranda, correspondence, and other documents for inspection and copying, and they shall submit their lands, buildings, and equipment for examination and inspection, to any special agent of the Administration upon demand and display of an Administration credential identifying him/her as a special agent.

3. *Definition of Special Agent.* Special agents are Federal Motor Carrier Safety Administration (FMCSA) employees who are identified by credentials issued by the FMCSA authorizing them to enforce 42 U.S.C. 4917 and to exercise relevant authority of the Secretary of Transportation under 49 U.S.C. 113, chapters 5, 51, 57, 131-149, 311, 313, and 315 and other statutes, as delegated to FMCSA by 49 CFR 1.73, and under regulations issued on the authority of those statutes. Special agents are authorized to inspect and copy records and to inspect and examine land, buildings, and equipment in the manner and to the extent provided by law.

4. *Facsimile of the Administration Credential:*

UNITED STATES OF AMERICA

DEPARTMENT OF TRANSPORTATION FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION

This is to certify that _____ whose photograph and signature appear hereon is duly accredited as _____ with authority to enter upon, to inspect, and examine lands, buildings, and equipment, and to inspect and copy records and papers of carriers and other persons, in performance of his/her duties under the Department of Transportation Act, related acts, and regulations of the Department.

By direction of the Secretary

(Certifying Authority) (Bearer)

(49 U.S.C. 504, 5121, 14122, 31502 and 31503; and 49 CFR 1.73)

[35 FR 1016, Jan. 24, 1970 as amended at 36 FR 16067, Aug. 19, 1971; 43 FR 20011, May 10, 1978; 44 FR 46425, July 10, 1980; 49 FR 38290, Sept. 28, 1984; 60 FR 38749, July 28, 1995; 61 FR 1843, Jan. 24, 1996]

APPENDIXES C-E TO SUBCHAPTER B OF CHAPTER III [RESERVED]

APPENDIX F TO SUBCHAPTER B OF CHAPTER III—COMMERCIAL ZONES

“NOTE: The text of these definitions is identical to the text of 49 CFR Part 1048, re-

vised as of October 1, 1975, which is no longer in print.”

COMMERCIAL ZONES

- Sec.
- 1 New York, N.Y.
- 2 Chicago, Ill.
- 3 St. Louis, Mo.-East St. Louis, Ill.
- 4 Washington, D.C.
- 5 Los Angeles, Calif., and contiguous and adjacent municipalities.
- 6 Philadelphia, Pa.
- 7 Cincinnati, Ohio
- 8 Kansas City, Mo.-Kansas City, Kans.
- 9 Boston, Mass.
- 10 Davenport, Iowa; Rock Island and Moline, Ill.
- 11 Commercial zones of municipalities in New Jersey within 5 miles of New York, N.Y.
- 12 Commercial zones of municipalities in Westchester and Nassau Counties, N.Y.
- 13 Tucson, Ariz.
- 14 Albuquerque, N. Mex.
- 18 Ravenswood, W. Va.
- 19 Lake Charles, La.
- 20 Syracuse, N.Y.
- 21 Baltimore, Md.
- 22 Cleveland, Ohio.
- 23 Detroit, Mich.
- 24 Seattle, Wash.
- 25 Albany, N.Y.
- 26 Minneapolis-St. Paul, Minn.
- 27 New Orleans, La.
- 28 Pittsburgh, Pa.
- 29 Portland, Oreg.
- 30 Vancouver, Wash.
- 31 Charleston, S.C.
- 32 Charleston, W. Va.
- 33 Memphis, Tenn.
- 34 Houston, Tex.
- 35 Pueblo, Colo.
- 36 Warren, Ohio
- 37 Louisville, Ky.
- 38 Sioux City, Iowa.
- 39 Beaumont, Tex.
- 40 Metropolitan Government of Nashville and Davidson County, Tenn.
- 41 Consolidated City of Indianapolis, Ind.
- 42 Lexington-Fayette Urban County, Ky.
- 43 Definitions.
- 44 Commercial zones determined generally, with exceptions.
- 45 Controlling distances and population data.

Section 1 New York, N.Y.

(a) The application of §372.241 Commercial Zones determined generally, with exceptions, is hereby extended to New York, N.Y.

(b) The exemption provided by section 203(b)(8) of the Interstate Commerce Act, of transportation by motor vehicle, in interstate or foreign commerce, performed wholly

within the zone the limits of which are defined in paragraph (a) of this section, is hereby removed as to all such transportation except:

(1) Transportation which is performed wholly within the following territory: The area within the corporate limits of the cities of New York, Yonkers, Mount Vernon, North Pelham, Pelham, Pelham Manor, Great Neck Estates, Floral Park, and Valley Stream, N.Y., and Englewood, N.J.; the area within the borough limits of Alpine, Tenafly, Englewood Cliffs, Leonia, Fort Lee, Edgewater, Cliffside Park, Fairview, Palisades Park, and Ridgefield, Bergen County, N.J.; and that part of Hudson County, N.J., east of Newark Bay and the Hackensack River;

(2) Transportation which is performed in respect of a shipment which has had a prior, or will have a subsequent movement by water carrier, and which is performed wholly between points named in subparagraph (1) of this paragraph, on the one hand, and, on the other, those points in Newark and Elizabeth, N.J., identified as follows: All points in that area within the corporate limits of the cities of Newark and Elizabeth, N.J., west of Newark Bay and bounded on the south by the main line of the Central Railroad of New Jersey, on the west by the Newark & Elizabeth Branch of the Central Railroad Company of New Jersey, and on the north by the property line of the Penn Central Transportation Company.

(3) Transportation which is performed in respect of a shipment by rail carrier, and which is performed wholly between points named in subparagraph (1) of this paragraph, on the one hand, and, on the other,

(a) Those portions of Kearny, N.J., within an area bounded on the north by the main line of the Jersey City Branch of the Penn Central Transportation Co., on the south and east by Fish House Road and Pennsylvania Avenue, and on the west by the property line of the Penn Central Transportation Co. Truck-Train Terminal.

(b)(i) That portion of Newark, N.J., within an area bounded on the north by South Street and Delancey Street, on the east by Doremus Avenue, on the south by the freight right-of-way of the Penn Central Transportation Co. (Waverly Yard, Newark, N.J., to Greenville Piers, Jersey City, N.J., line), and on the west by the Penn Central Transportation Co.'s Hunter Street produce yard, and (ii) that portion of Newark, N.J., within an area bounded on the north by Poinier Street, on the east by Broad Steet, on the south by the passenger right-of-way of the Penn Central Transportation Co.'s main line and on the west by Frelinghuysen Avenue.

(c) That portion of Port Reading, N.J., within an area bounded on the east by the Arthur Kill, on the south by the right-of-way of the Reading Co., on the west by Cliff

Road, and on the north by Woodbridge-Carteret Road, and

(d) That portion of Elizabeth, N.J., within an area bounded by a line extending from Newark Bay westward along Trumbull Street to its intersection with Division Street; thence northward along Trumbull Street to its intersection with East North Avenue; thence eastward along East North Avenue to its intersection with the New Jersey Turnpike, thence along the New Jersey Turnpike to the Elizabeth Channel; thence easterly along the Elizabeth Channel to Newark Bay; thence along the western shore of Newark Bay to the point of beginning.

Sec. 2 Chicago, Ill.

The zone adjacent to and commercially a part of Chicago, Ill., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)), includes and is comprised of all points as follows:

The area within the corporate limits of Chicago, Evanston, Oak Park, Cicero, Berwyn, River Forest, Willow Springs, Bridgeview, Hickory Hills, Worth, Homewood, and Lansing, Ill.; the area within the township limits of Niles, Maine, Leyden, Norwood Park, Proviso, Lyons, Riverside, Stickney, Worth, Calumet, Bremen, and Thornton Townships, Cook County, Ill.; the area comprised of that part of Lemont Township, Cook County, and that part of Downers Grove Township, Du Page County, Ill., bounded by a line beginning at the intersection of Archer Avenue and the southern corporate limits of Willow Springs, Ill., and extending in a southwesterly direction along Archer Avenue to its junction with Chicago Joliet Road (Sag Lemont Highway), thence in a westerly direction over Chicago Joliet Road to its junction with Walker Road, thence directly north along an imaginary line to the southern shoreline of the Chicago Sanitary and Ship Canal, thence in a north-easterly direction along said shoreline to the corporate limits of Willow Springs, including points on the indicated portions of the highways specified; the area within Burr Ridge, Du Page County, bounded by a line beginning at the intersection of County Line Road and Frontage Road, thence southwesterly along Frontage Road to its intersection with Garfield Street, thence northerly along Garfield Street to its junction with 74th Street, thence westerly along an imaginary line to the junction of 74th Street and Grant Street, thence southerly along Grant Street to its junction with 75th Street, thence westerly along 75th Street to its junction with Brush

Hill Road, thence southerly along Brush Hill Road to its junction with Frontage Road, thence northeasterly along Frontage Road to its junction with County Line Road; and the area within the corporate limits of Hammond, Whiting, East Chicago, and Gary, Ind.

Sec. 3 St. Louis, Mo.-East St. Louis, Ill.

(a) The zone adjacent to and commercially a part of St. Louis, Mo.-East St. Louis, Ill., within which transportation by motor vehicle in interstate or foreign commerce, not under a common control, management or arrangement for a continuous carriage to or from a point beyond the zone is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)), includes and is comprised of all points as follows: (1) All points within the corporate limits of St. Louis, Mo.; (2) all points in St. Louis County, Mo., within a line drawn 0.5 mile south, west, and north of the following line:—Beginning at the Jefferson Barracks Bridge across the Mississippi River and extending westerly along Missouri Highway 77 to its junction with U.S. Highway 61 Bypass, thence along U.S. Highway 61 Bypass to its junction with U.S. Highway 66, thence westerly along U.S. Highway 66 to its junction with Bowles Avenue, thence northerly along Bowles Avenue, actual or projected, to the Meramec River, thence easterly along the south bank of the Meramec River to a point directly south of the western boundary of Kirkwood, thence across the Meramec River to and along the western boundary of Kirkwood to Marshall Road, thence westerly along Marshall Road to its junction with Treecourt Avenue, thence northerly along Treecourt Avenue to its junction with Big Bend Road, thence easterly along Big Bend Road to the western boundary of Kirkwood, thence northerly along the western boundary of Kirkwood to its junction with Dougherty Ferry Road, thence westerly along Dougherty Ferry Road to its junction with Interstate Highway 244, thence northerly along Interstate Highway 244 to its junction with Manchester Road, thence easterly along Manchester Road to its junction with the northwest corner of Kirkwood, thence along the western and northern boundaries of Kirkwood to the western boundary of Huntleigh, Mo., thence along the western and northern boundaries of Huntleigh to its junction with Lindbergh Boulevard, thence northerly along Lindbergh Boulevard to its junction with Lackland Avenue, thence in a westerly direction along Lackland Avenue to its junction with the right-of-way of the proposed Circumferential Expressway (Interstate Highway 244), thence in a northerly direction along said right-of-way to its junction with the right-of-way of the Chicago, Rock Island and Pacific Railroad, thence in an easterly direction along

said right-of-way to its junction with Dorsett Road, thence in an easterly direction along Dorsett Road to its junction with Lindbergh Boulevard, thence in a northerly direction along Lindbergh Boulevard to its junction with St. Charles Rock Road, thence westerly along St. Charles Rock Road to its junction with the Missouri River, thence northerly along the east shore of the Missouri River to its junction with the Norfolk and Western Railway Co. right-of-way, thence easterly along the southern boundary of the Norfolk and Western Railway Co. right-of-way to Lindbergh Boulevard, thence in an easterly direction along Lindbergh Boulevard to the western boundary of St. Ferdinand (Florissant), Mo., thence along the western, northern, and eastern boundaries of St. Ferdinand to junction Interstate Highway 270, and thence along Interstate Highway 270 to the corporate limits of St. Louis (near Chain of Rocks Bridge); and (3) all points within the corporate limits of East St. Louis, Belleville, Granite City, Madison, Venice, Brooklyn, National City, Fairmont City, Washington Park, and Sauget, Ill.; that part of the village of Cahokia, Ill., bounded by Illinois Highway 3 on the east, First Avenue and Red House (Cargill) Road on the south and southwest, the east line of the right-of-way of the Alton and Southern Railroad on the west, and the corporate limits of Sauget, Ill., on the northwest and north; that part of Centerville, Ill., bounded by a line beginning at the junction of 26th Street and the corporate limit of East St. Louis, Ill., and extending northeasterly along 26th Street to its junction with Bond Avenue, thence southeasterly along Bond Avenue to its junction with Owen Street, thence southwesterly along Owen Street to its junction with Church Road, thence southeasterly along Church Road to its junction with Illinois Avenue, thence southwesterly along Illinois Avenue to the southwesterly side of the right-of-way of the Illinois Central Railroad Co., thence along the southwesterly side of the right-of-way of the Illinois Central Railroad Co. to the corporate limits of East St. Louis, Ill., thence along the corporate limits of East St. Louis, Ill., to the point of beginning; and that area bounded by a line commencing at the intersection of the right-of-way of the Alton and Southern Railroad and the Madison, Ill., corporate limits near 19th Street, and extending east and south along said right-of-way to its intersection with the right-of-way of Illinois Terminal Railroad Co., thence southwesterly along the Illinois Terminal Railroad Co. right-of-way to its intersection with Illinois Highway 203, thence northwesterly along said highway to its intersection with the Madison, Ill., corporate boundary near McCambridge Avenue, thence northerly along the Madison, Ill., corporate boundary to the point of beginning.

(b) The exemption provided by section 203(b)(8) of the Interstate Commerce Act in respect of transportation by motor vehicle, in interstate or foreign commerce, between Belleville, Ill., on the one hand, and, on the other, any other point in the commercial zone, the limits of which are defined in paragraph (a) of this section, is hereby removed, and the said transportation is hereby subjected to all applicable provisions of the Interstate Commerce Act.

Sec. 4 Washington, DC.

The zone adjacent to and commercially a part of Washington, DC, within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage to or from a point beyond the zone is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.A. 303(b)(8)) includes and it is comprised of all as follows:

Beginning at the intersection of MacArthur Boulevard and Falls Road (Maryland Highway 189) and extending northeasterly along Falls Road to its junction with Scott Drive, thence west on Scott Drive to its junction with Viers Drive, thence west on Viers Drive to its junction with Glen Mill Road, thence northeast on Glen Mill Road to its junction with Maryland Highway 28, thence west on Maryland Highway 28 to its junction with Shady Grove Road, thence northeast on Shady Grove Road approximately 2.7 miles to Crabbs Branch, thence southeasterly along the course of Crabbs Branch to Rock Creek, thence southerly along the course of Rock Creek to Viers Mill Road (Maryland Highway 586), thence southeasterly along Viers Mill Road approximately 0.3 mile to its junction with Aspen Hill Road, thence northeasterly along Aspen Hill Road to its junction with Brookeville Road (Maryland Highway 97), thence southeasterly along Brookeville Road to its junction with Maryland Highway 183, thence northeasterly along Maryland Highway 183 to Colesville, Md., thence southeasterly along Beltsville Road to its junction with Powder Mill Road (Maryland Highway 212), thence easterly over Powder Mill Road to its junction with Montgomery Road, thence northeasterly along Montgomery Road, approximately 0.2 mile, to its junction with an unnumbered highway extending northeasterly to the north of Ammendale Normal Institute, thence along such unnumbered highway for a distance of about 2.2 miles to its junction somewhat north of Virginia Manor, Md., with an unnumbered highway extending easterly through Muirkirk, Md., thence along such unnumbered highway through Muirkirk to its junction, approximately 1.8 miles east of the Baltimore and Ohio Railroad, with an unnumbered highway, thence

southwesterly along such unnumbered highway for a distance of about 0.5 mile to its junction with an unnumbered highway, thence southeasterly along such unnumbered highway through Springfield and Hillmeade, Md., to its junction with Defense Highway (U.S. Highway 50), thence southwesterly along Defense Highway approximately 0.8 mile to its junction with Enterprise Road (Maryland Highway 556), thence southerly over Enterprise Road to its junction with Central Avenue (Maryland Highway 214), thence westerly over Central Avenue about 0.5 mile to its crossing of Western Branch, thence southerly down the course of Western Branch to Maryland Highway 202, thence westerly approximately 0.3 mile along Maryland Highway 202 to its junction with White House Road, thence southwesterly along White House Road to its junction with Maryland Highway 221, thence southeasterly along Maryland Highway 221 to its junction with Maryland Highway 4, thence westerly along Maryland Highway 4 to the boundary of Andrews Air Force Base, thence south and west along said boundary to Brandywine Road (Maryland Highway 5), thence northwesterly along Maryland Highway 5 to its junction with Maryland Highway 337, thence southwesterly along Maryland Highway 337 to its junction with Maryland Highway 224, thence southerly along Maryland Highway 224 to a point opposite the mouth of Broad Creek, thence due west across the Potomac River to the west bank thereof, thence southerly along the west bank of the Potomac River to Gunston Cove, thence up the course of Gunston Cove to Pohick Creek, thence up the course of Pohick Creek to Virginia Highway 611, thence southwesterly along Virginia Highway 611 to the Fairfax-Prince William County line, thence along said county line to Virginia Highway 123, thence northerly along Virginia Highway 123 to its junction with Virginia Highway 636, thence northeasterly along Virginia Highway 636 to its junction with Virginia Highway 620, thence westerly along Virginia Highway 620 to its junction with Virginia Highway 655, thence northeasterly along Virginia Highway 655 to its junction with U.S. Highway 211, thence westerly along U.S. Highway 211 to its junction with Virginia Highway 608, thence northerly along Virginia Highway 608 to its junction with U.S. Highway 50, thence westerly along U.S. Highway 50 to the Fairfax-Loudoun County line, thence northeasterly along said county line to its intersection with Dulles International Airport, thence along the southern, western, and northern boundaries of said airport to the Fairfax-Loudoun County line (at or near Dulles Airport Access Road), thence northeasterly along said county line to its junction with Virginia Highway 7, thence

southeasterly along Virginia Highway 7 to its junction with Virginia Highway 193, thence along Virginia Highway 193 to its junction with Scott Run Creek, thence northerly down the course of Scott Run Creek to the Potomac River, thence due north across the river to MacArthur Boulevard to its junction with Maryland Highway 189, the point of beginning.

Sec. 5 Los Angeles, Calif., and contiguous and adjacent municipalities.

(a) The exemption provided by section 203(b)(8) of Part II of the Interstate Commerce Act to the extent it affects transportation by motor vehicle, in interstate or foreign commerce, performed wholly within Los Angeles, Calif., or wholly within any municipality contiguous or adjacent to Los Angeles, Calif., or wholly a part of Los Angeles, as defined in paragraph (b) of this section, or wholly within the zone adjacent to and commercially a part of the San Pedro, Wilmington, and Terminal Island Districts of Los Angeles and Long Beach, as defined in paragraph (c) of this section, or wholly within the zone of any independent municipality contiguous or adjacent to Los Angeles, as determined under §372.241, or otherwise, between any point in Los Angeles County, Calif., north of the line described below, on the one hand, and, on the other, any point in Los Angeles County, Calif., south thereof is hereby removed and the said transportation is hereby subjected to all the applicable provisions of the Interstate Commerce Act:

Beginning at the Pacific Ocean, and extending easterly along the northern and eastern corporate limits of Manhattan Beach to the northern corporate limits of Redondo Beach, thence along the northern and eastern corporate limits of Redondo Beach to the intersection of Inglewood Avenue and Redondo Beach Boulevard, thence along Redondo Beach Boulevard to the corporate limits of Torrance, thence along the northwestern and eastern corporate limits of Torrance to 182d Street, thence along 182d Street, Walnut, and Main Streets to Alondra Boulevard, thence along Alondra Boulevard to its intersection with Dwight Avenue, thence southerly along Dwight Avenue and an imaginary straight line extending southward to Greenleaf Boulevard, thence eastward along Greenleaf Boulevard to the northwestern corner of the corporate limits of Long Beach, thence along the northern and eastern corporate limits of Long Beach to Artesia Boulevard, thence east on Artesia Boulevard to the Los Angeles-Orange County line.

(b) For the purpose of administration and enforcement of Part II of the Interstate Commerce Act, the zone adjacent to and commercially a part of Los Angeles and contiguous municipalities (except the San

Pedro, Wilmington, and Terminal Island districts of Los Angeles and Long Beach, Calif.), in which transportation by motor vehicle in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, will be partially exempt from regulation under section 203(b)(8) of the act, is hereby defined to include the area of a line extending in a generally northwesterly and northerly direction from the intersection of Inglewood Avenue and Redondo Beach Boulevard along the eastern and northern corporate limits of Redondo Beach, Calif., to the eastern corporate limits of Manhattan Beach, Calif., thence along the eastern and northern corporate limits of Manhattan Beach to the Pacific Ocean, thence along the shoreline of the Pacific Ocean to the western corporate limits of Los Angeles at a point east of Topanga Canyon, and thence along the western corporate limits of Los Angeles to a point near Santa Susana Pass; south of a line extending in a generally easterly direction from a point near Santa Susana Pass along the northern corporate limits of Los Angeles to the eastern corporate limits of Burbank, Calif., thence along the eastern corporate limits of Burbank to the northern corporate limits of Glendale, Calif., and thence along the northern corporate limits of Glendale and Pasadena, Calif., to the northeastern corner of Pasadena; west of a line extending in a generally southerly and southwesterly direction from the northeastern corner of Pasadena along the eastern and a portion of the southern corporate limits of Pasadena to the eastern corporate limits of San Marino, Calif., thence along the eastern corporate limits of San Marino and the eastern and a portion of the southern corporate limits of Alhambra, Calif., to the western corporate limits of Monterey Park, Calif., and the western corporate limits of Montebello, Calif., thence along the western corporate limits of Montebello, Calif., to the Rio Hondo, and the Los Angeles River to the northern corporate limits of Long Beach; and north of a line extending in a generally westerly direction from the Los Angeles River along the northern corporate limits of Long Beach and thence along Greenleaf Boulevard to its intersection with an imaginary straight line extending southward from Dwight Avenue, thence north on the imaginary straight line extending southward from Dwight Avenue, and thence northerly along Dwight Avenue to Alondra Boulevard, thence west along Alondra Boulevard, Main, Walnut, and 182d Streets to the eastern corporate limits of Torrance, thence along a portion of the eastern and the northwestern corporate limits of Torrance to Redondo Beach Boulevard, and thence along Redondo Beach Boulevard to Inglewood Avenue.

(c) For the purpose of administration and enforcement of Part II of the Interstate Commerce Act, the zone adjacent to and commercially a part of the San Pedro, Wilmington, and Terminal Island districts of Los Angeles and Long Beach in which transportation by motor vehicle in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, will be partially exempt from regulation under section 203(b)(8) of the act, is hereby defined to include the area east of a line extending in a generally northerly and northwesterly direction from the Pacific Ocean along the western corporate limits of Los Angeles to 258th Street, thence along 258th Street to the eastern corporate limits of Torrance, and thence along a portion of the eastern, and along the southern and western, corporate limits of Torrance to the northwestern corner of Torrance, south of a line extending in a generally easterly direction from the northwestern corner of Torrance along the northwestern and a portion of the eastern corporate limits of Torrance to 182d Street, thence along 182d, Walnut, Main, and Alondra Boulevard to its intersection with Dwight Avenue, thence southerly along Dwight Avenue and an imaginary straight line extending southward from Dwight Avenue to Greenleaf Boulevard and thence along Greenleaf Boulevard and the northern corporate limits of Long Beach to the northeastern corner of Long Beach; west of the eastern corporate limits of Long Beach; and north of the southern corporate limits of Long Beach and Los Angeles.

Sec. 6 Philadelphia, Pa.

The zone adjacent to and commercially a part of Philadelphia, Pa., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond such zone, is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) includes and is comprised of all points as follows:

(a) The area within Pennsylvania included within the corporate limits of Philadelphia and Bensalem and Lower Southampton Townships in Bucks County; Conshohocken and West Conshohocken, Pa., and Lower Moreland, Abington, Cheltenham, Springfield, Whitmarsh, and Lower Merion Townships in Montgomery County; an area in Upper Dublin Township, Montgomery County, bounded by a line beginning at the intersection of Pennsylvania Avenue and Fort Washington Avenue and extending northeast along Fort Washington Avenue to its junction with Susquehanna Road, thence south-

east along Susquehanna Road to its junction with the right-of-way of the Pennsylvania Railroad Company, thence southwest along the right-of-way of the Pennsylvania Railroad Company to Pennsylvania Avenue, thence northwest along Pennsylvania Avenue to its junction with Fort Washington Avenue, the point of beginning; Haverford Township in Delaware County; and an area in Delaware County south and east of a line extending southward from the intersection of the western and northern boundaries of Upper Darby Township along Darby Creek to Bishop Avenue, thence south along Bishop Avenue to Baltimore Pike, thence west along Baltimore Pike to Pennsylvania Highway 320, thence south along Pennsylvania Highway 320 to the corporate limits of Chester, thence along the northern corporate limit of Chester in a westerly direction to the eastern boundary of Upper Chichester Township, thence south to the southern boundary of said township along the eastern boundary thereof, and thence west along the southern boundary of said township to the Delaware State line, and thence south along the Delaware State line to the Delaware River, and

(b) The area in New Jersey included in the corporate limits of Camden, Gloucester City, Woodlynne, Merchantville, and Palmyra Boroughs, and the area included in Pennsauken Township in Camden County.

Sec. 7 Cincinnati, Ohio.

The zone adjacent to and commercially a part of Cincinnati, Ohio, within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuing carriage to or from a point beyond the zone is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 203(b)(8)), includes and is comprised of all points as follows:

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|----------------------|--------------------|
| Addyston, Ohio. | Mariontown, Ohio. |
| Cheviot, Ohio. | North Bend, Ohio. |
| Cincinnati, Ohio. | Norwood, Ohio. |
| Cleves, Ohio. | St. Bernard, Ohio. |
| Elmwood Place, Ohio. | Covington, Ky. |
| Fairfax, Ohio. | Newport, Ky. |
| | Cold Spring, Ky. |

That part of Ohio bounded by a line commencing at the intersection of the Colerain-Springfield Township line and corporate limits of Cincinnati, Ohio, and extending along said township line in a northerly direction to its intersection with the Butler-Hamilton County line, thence in an easterly direction along said county line to its intersection with Ohio Highway 4, thence in a northerly direction along Ohio Highway 4 to its intersection with Seward Road, thence in a northerly direction along said road to its intersection with Port Union Road, thence east along Port Union Road to the Fairfield

Township-Union Township line, thence northward along said township line to its intersection with the right-of-way of the Pennsylvania Railroad Co., thence southeasterly along the right-of-way of the Pennsylvania Railroad Co. to its intersection with Princeton-Glendale Road (Ohio Highway 747), thence southward along said road to its intersection with Mulhauser Road, thence in an easterly direction along said road to the terminus thereof west of the tracks of the Pennsylvania Railroad Co., thence continue in an easterly direction in a straight line to Allen Road, thence along the latter to the junction thereof with Cincinnati-Dayton Road, thence in a southerly direction along Cincinnati-Dayton Road, to the Butler, Hamilton County line, thence along said county line to the Warren-Hamilton County line in an easterly direction to the Symmes-Sycamore Township line, thence in a southerly direction along the Symmes-Sycamore Township line to its intersection with the Columbia Township line, thence in a westerly direction along Sycamore-Columbia Township line to Madeira Township, thence in a clockwise direction around the boundary of Madeira Township to the Sycamore-Columbia Township line, thence in a westerly direction along said township line to Silvertown Township, thence in a southerly direction along said corporate limits to junction with Redbank Road, thence in a southerly direction over Redbank Road to the Cincinnati Corporate limits.

That part of Kenton County, Ky., lying on and north of a line commencing at the intersection of the Kenton-Boone County line and Dixie Highway (U.S. Highways 25 and 42), and extending over said highway to the corporate limits of Covington, Ky., including communities on the described line.

That part of Campbell County, Ky., lying on and north of a line commencing at the southern corporate limits of Newport, Ky., and extending along Licking Pike (Kentucky Highway 9) to junction with Johns Hill Road, thence along Johns Hill Road to junction with Alexandria Pike (U.S. Highway 27), thence northward along Alexandria Pike to junction with River Road (Kentucky Highway 445), thence over the latter to the Ohio River, including communities on the described line.

That part of Boone County, Ky., bounded by a line beginning at the Boone-Kenton County line west of Erlanger, Ky., and extending in a northwesterly direction along Donaldson Highway to its intersection with Zig-Zag Road, thence along Zig-Zag Road to its intersection with Kentucky Highway 18, thence along Kentucky Highway 18 to its intersection with Kentucky Highway 237, thence along Kentucky Highway 237 to its intersection with Kentucky Highway 20, and thence easterly along Kentucky Highway 20 to the Boone-Kenton County line.

That part of Boone and Kenton Counties, Ky., bounded by a line commencing at the intersection of the Boone-Kenton County line and U.S. Highway 42, and extending in a southwesterly direction along U.S. Highway 42 to its junction with Gunpowder Road, thence southerly along Gunpowder Road to its junction with Sunnybrook Road, thence easterly along Sunnybrook Road to its junction with Interstate Highway 75, thence in a straight line in a northeasterly direction to Richardson Road, thence in an easterly direction over Richardson Road to its junction with Kentucky State Route 1303, thence in a northerly direction over Kentucky State Route 1303 to the southern boundary of Edgewood, Kenton County, Ky.

Sec. 8 Kansas City, Mo.-Kansas City, Kans.

The zone adjacent to and commercially a part of Kansas City, Mo.-Kansas City, Kans., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuing carriage to or from a point beyond the zone is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)), includes and is comprised of all points as follows:

Beginning on the north side of the Missouri River at the western boundary line of Parkville, Mo., thence along the western and northern boundaries of Parkville to the Kansas City, Mo., corporate limits, thence along the western, northern, and eastern corporate limits of Kansas City, Mo., to its junction with U.S. Bypass 71 (near Liberty, Mo.), thence along U.S. Bypass 71 to Liberty, thence along the northern and eastern boundaries of Liberty to its junction with U.S. Bypass 71 south of Liberty, thence south along U.S. Bypass 71 to its junction with the Independence, Mo., corporate limits, thence along the eastern Independence, Mo., corporate limits to its junction with Interstate Highway 70, thence along Interstate Highway 70 to its junction with the Blue Springs, Mo., corporate limits, thence along the western, northern, and eastern corporate limits of Blue Springs, Mo., to its junction with U.S. Highway 40, thence east along U.S. Highway 40 to its junction with Brizen-Dine Road, thence south along the southerly extension of Brizen-Dine Road to its junction with Missouri Highway AA, thence along Missouri Highway AA to its junction with the Blue Springs, Mo., corporate limits, thence along the southern and western corporate limits of Blue Springs, Mo., to its junction with U.S. Highway 40, thence west along U.S. Highway 40 to its junction with the Lee's Summit, Mo., corporate limits.

Thence along the eastern Lee's Summit corporate limits to the Jackson-Cass County line, thence west along Jackson-Cass County

line to the eastern corporate limits of Belton, Mo., thence along the eastern, southern, and western corporate limits of Belton to the western boundary of Richards-Gebaur Air Force Base, thence along the western boundary of said Air Force Base to Missouri Highway 150, thence west along Missouri Highway 150 to the Kansas-Missouri State line, thence north along the Kansas-Missouri State line, to 110th Street, thence west along 110th Street to its junction with U.S. Highway 69, thence north along U.S. Highway 69 to its junction with 103d Street, thence west along 103d Street to its junction with Quivera Road (the corporate boundary of Lenexa, Kans.), thence along the eastern and southern boundaries of Lenexa to Black Bob Road, thence south along Black Bob Road to 119th Street, thence east along 119th Street to the corporate limits of Olathe, Kans., thence south and east along the Olathe corporate limits to Schlagel Road, thence south along Schlagel Road to Olathe Morse Road, thence west along Olathe Morse Road to the northeast corner of Johnson County Airport, thence south, west, and north along the boundaries of said airport to Pflumm Road, thence north along Pflumm Road to its junction with Olathe Martin City Road, thence west along Olathe Martin City Road to its junction with Murden Road, thence south along Murden Road to its junction with Olathe Morse Road (the corporate boundary of Olathe, Kans.), thence west and north along said corporate boundary to its intersection with U.S. Highway 56, thence southwest along U.S. Highway 56 to its junction with 159th Street.

Thence west along 159th Street to its junction with the Johnson County Industrial Airport, thence south, west, north and east along the boundaries of said airport to the point of beginning, on 159th Street, thence, east along 159th Street to its junction with U.S. Highway 56, thence northeast along U.S. Highway 56 to its junction with Parker Road, thence north along Parker Road to the northern boundary of Olathe, thence east and north along the northern corporate limits of Olathe to Pickering Road, thence north along Pickering Road to 107th Street (the corporate boundary of Lenexa, Kans.), thence along the western and northern boundaries of Lenexa to Pflumm Road, thence north along Pflumm Road to its junction with Kansas Highway 10, thence along Kansas Highway 10 to its junction with Kansas Highway 7, thence along an imaginary line due west across the Kansas River to the Wyandotte County-Leavenworth County line (142d Street) at Loring, Kans., thence westerly along County Route No. 82, a distance of three-fourths of a mile to the entrance of the facilities at Mid-Continent Underground Storage, Loring, thence from Loring in a northerly direction along Loring Lane and

Lindwood Avenue to the southern boundary of Bonner Springs, Kans.

Thence along the southern, western, and northern boundaries of Bonner Springs to its intersection with Kansas Highway 7, thence southeast along Kansas Highway 7 to its junction with Kansas Highway 32, thence east on Kansas Highway 32 to the corporate boundary of Kansas City, Kans., thence north, west, and east along the corporate boundaries of Kansas City, Kans., to its junction with Cernech Road and Pomeroy Drive, thence northwesterly along Pomeroy Drive to its junction with 79th Street, thence along 79th Street to its junction with Walcotte Drive at Pomeroy, Kans., thence due west 1.3 miles to its junction with an unnamed road, thence north along such unnamed road to the entrance of Powell Port facility, thence due north to the southern bank of the Missouri River, thence east along the southern bank of Missouri River to a point directly across from the western boundary of Parkville, Mo., thence across the Missouri River to the point of beginning.

Sec. 9 Boston, Mass.

For the purpose of administration and enforcement of Part II of the Interstate Commerce Act, the zone adjacent to and commercially a part of Boston, Mass., and contiguous municipalities in which transportation by motor vehicle in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, will be partially exempt under section 203(b)(8) of the act from regulation, is hereby defined to include the following:

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| Boston, Mass. | Cambridge, Mass. |
| Winthrop, Mass. | Watertown, Mass. |
| Chelsea, Mass. | Brookline, Mass. |
| Revere, Mass. | Newton, Mass. |
| Everett, Mass. | Needham, Mass. |
| Malden, Mass. | Dedham, Mass. |
| Medford, Mass. | Milton, Mass. |
| Somerville, Mass. | Quincy, Mass. |

Sec. 10 Davenport, Iowa; Rock Island and Moline, Ill.

For the purpose of administration and enforcement of Part II of the Interstate Commerce Act, the zones adjacent to and commercially a part of Davenport, Iowa, Rock Island and Moline, Ill., in which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond such municipalities or zones, will be partially exempt from regulation under section 203(b)(8) of the act (49 U.S.C. 303(b)(8) are hereby determined to be coextensive and to include and to be comprised of the following:

(a) All points within the corporate limits of the city of Davenport and the city of Bettendorf, and in Davenport Township, Iowa.

(b) All points north of Davenport Township within that portion of Sheridan Township, Iowa, bounded by a line as follows: Beginning at the points where U.S. Highway 61 crosses the Davenport-Sheridan Township line and extending northward along U.S. Highway 61 to the right-of-way of the Chicago, Milwaukee, St. Paul & Pacific Railroad Co., thence northwesterly along said right-of-way to its junction with the first east-west unnumbered highway, thence westerly approximately 0.25 mile to its junction with a north-south unnumbered highway, thence southerly along such unnumbered highway to the northeast corner of Mount Joy Airport, thence along the northern and western boundaries of said airport to the south-western corner thereof, and thence south in a straight line to the northern boundary of Davenport Township.

(c)(1) That part of Iowa lying west of the municipal limits of Davenport south of Iowa Highway 22, north of the Mississippi River and east of the present western boundary of the Dewey Portland Cement Co., at Linwood, including points on such boundaries, and (2) that part of Iowa east of the municipal limits of Bettendorf, south of U.S. Highway 67, west of a private road running between U.S. Highway 67 and Riverside Power Plant of the Iowa-Illinois Gas & Electric Co., and north of the Mississippi River, including points on such boundaries.

(d) The municipalities of Carbon Cliff, Silvis, East Moline, Moline, Rock Island, and Milan, Ill., and that part of Illinois lying south or east of such municipalities, within a line as follows: Beginning at a point where Illinois Highway 84 crosses the southern municipal limits of Carbon Cliff and extending southerly along such highway to its junction with Colona Road, thence westerly along Colona Road to Bowlesburg Road, thence southerly on Bowlesburg Road to the southern boundary of Hampton Township, thence along the southern boundaries of Hampton and South Moline Townships to U.S. Highway 150, thence southerly along U.S. Highway 150 to the southern boundary of the Moline Airport, thence along the southern and western boundaries of the Moline Airport to Illinois Highway 92, and thence along Illinois Highway 92 to the corporate limits of Milan.

(e) All points in Illinois within one-half mile on each side of Rock Island County State Aid Route No. 9 extending southwest-erly from the corporate limits of Milan for a distance of 1 mile, including points on such highway.

Sec. 11 Commercial zones of municipalities in New Jersey within 5 miles of New York, N.Y.

(a) The application of §372.241 is hereby extended to each municipality in New Jersey, any part of which is within 5 miles of the corporate limits of New York, N.Y.

(b) The exemption provided by section 203(b)(8) of the Interstate Commerce Act, of transportation by motor vehicle, in interstate or foreign commerce, performed wholly within any commercial zone, the limits of which are defined in paragraph (a) of this section, is hereby removed as to all such transportation except (1) transportation which is performed wholly between any two points in New Jersey, or (2) transportation which is performed wholly between points in New Jersey named in §372.201, on the one hand, and, on the other, points in New York named in §372.201.

Sec. 12 Commercial zones of municipalities in Westchester and Nassau Counties, N.Y.

(a) The application of §372.241 is hereby extended to each municipality in Westchester or Nassau Counties, N.Y.

(b) The exemption provided by section 203(b)(8) of the Interstate Commerce Act, of transportation by motor vehicle, in interstate or foreign commerce, performed wholly within any commercial zone, the limits of which are defined in paragraph (a) of this section, is hereby removed as to all such transportation except (1) transportation which is performed wholly between points in New York neither of which is New York City, NY, or (2) transportation which is performed wholly between points in Westchester or Nassau County named in §372.201, on the one hand, and, on the other, New York City, N.Y., or points in New Jersey named in §372.201.

Sec. 13 Tucson, Ariz.

That zone adjacent to and commercially a part of Tucson, Ariz., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, is partially exempt, under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) from regulation, includes, and is comprised of, all points as follows:

(a) The municipality of Tucson, Ariz., itself.

(b) All points within a line drawn 5 miles beyond the corporate limits of Tucson, Ariz.

(c) All points in that area south of the line described in paragraph (b) of this section, bounded by a line as follows: Beginning at the point where the line described in paragraph (b) of this section, intersects Wilmot Road, thence south along Wilmot Road to junction Nogales Old Vail Connection,

thence west along Nogales Old Vail Connection, actual or extended, to the Santa Cruz River, thence north along the east bank of the Santa Cruz River to its joinder with the line described in paragraph (b) of this section.

(d) All of any municipality any part of which is within the limits of the combined areas defined in paragraphs (b) and (c) of this section.

(e) All of any municipality wholly surrounded, or so surrounded except for a water boundary, by the city of Tucson or by any municipality included under the terms of paragraph (d) of this section.

Sec. 14 Albuquerque, N. Mex.

The zone adjacent to and commercially a part of Albuquerque, N. Mex., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, is partially exempt, under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)), from regulation, includes, and is comprised of, all points as follows:

(a) The municipality of Albuquerque, N. Mex., itself.

(b) All points within a line drawn 5 miles beyond the corporate limits of Albuquerque, N. Mex.

(c) All points in that area north of the line described in paragraph (b) of this section, bounded by a line as follows: Beginning at the intersection of the line described in paragraph (b) of this section and New Mexico Highway 528, extending in a northeasterly direction along New Mexico Highway 528 to its intersection with New Mexico Highway 44, thence easterly along New Mexico Highway 44 to its intersection with New Mexico Highway 422, thence southerly along New Mexico Highway 422 to its intersection with the line described in paragraph (b) of this section.

(d) All of any municipality any part of which is within the limits of the combined areas defined in paragraphs (b) and (c) of this section;

(e) All of any municipality wholly surrounded, or so surrounded except for a water boundary, by the city of Albuquerque, N. Mex., or by any municipality included under the terms of paragraph (b) of this section.

Sec. 18 Ravenswood, W. Va.

That zone adjacent to and commercially a part of Ravenswood, W. Va., within which transportation by motor vehicle, in interstate or foreign commerce, not under common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, is partially exempt, under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)),

from regulation, includes, and is comprised of, all points as follows:

(a) The municipality of Ravenswood, W. Va., itself.

(b) All points within a line drawn 3 miles beyond the corporate limits of Ravenswood, W. Va., and

(c) All points in West Virginia in that area south and southwest of those described in paragraph (b) of this section, bounded by a line as follows: Beginning at the point where the Ohio River meets the line described in paragraph (b) of this section southwest of Ravenswood, thence southerly along the east bank of the Ohio River to the point where the mouth of the Lick Run River empties into the Ohio River; thence in a northeasterly direction along the northern bank of the Lick Run River to the point where it crosses West Virginia Highway 2 south of Ripley Landing, W. Va.; thence in a northerly direction along West Virginia Highway 2 to its intersection with the line described in paragraph (b) of this section west of Pleasant View, W. Va.

Sec. 19 Lake Charles, La.

That zone adjacent to and commercially a part of Lake Charles, La., within which transportation by motor vehicle, in interstate or foreign commerce, not under common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, is partially exempt, under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)), from regulation, includes, and is comprised of, all points as follows:

(a) The municipality of Lake Charles La., itself;

(b) All points within a line drawn 4 miles beyond the corporate limits of Lake Charles, La.;

(c) All points in that area south and west of the line described in paragraph (b) of this section, bounded by a line, as follows: beginning at the point where the line described in paragraph (b) of this section intersects Louisiana Highway 385; thence south along Louisiana Highway 385 to its intersection with the Calcasieu-Cameron Parish line; thence west along the Calcasieu-Cameron Parish line to its intersection with Louisiana Highway 27; thence northerly along Louisiana Highway 27 to a point thereon 2 miles south of U.S. Highway 90; thence east along a line parallel to U.S. Highway 90 to Louisiana Highway 108; thence north along Louisiana Highway 108 to junction U.S. Highway 90; thence east along U.S. Highway 90 to the intersection thereof with the line described in paragraph (b) of this section;

(d) All of the municipality any part of which is within the limits of the combined areas in paragraphs (b) and (c) of this section; and

(e) All of any municipality wholly surrounded, or so surrounded except for a water boundary, by the City of Lake Charles or by any municipality included under the terms of paragraph (d) of this section.

Sec. 20 Syracuse, N.Y.

The zone adjacent to and commercially a part of Syracuse, N.Y., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuing carriage to or from a point beyond the zone is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)), includes and is comprised of all points as follows:

(a) The municipality of Syracuse, NY., itself;

(b) All other municipalities and unincorporated areas within 5 miles of the corporate limits of Syracuse, N.Y., and all of any other municipality any part of which lies within 5 miles of such corporate limits;

(c) Those points in the town of Geddes, Onondaga County, N.Y., which are not within 5 miles of the corporate limits of Syracuse, N.Y.;

(d) Those points in the towns of Van Buren and Lysander, Onondaga County, N.Y., not within 5 miles of the corporate limits of Syracuse, N.Y., and within an area bounded by a line beginning at the intersection of Van Buren Road with the line described in (b) above, thence northwesterly along Van Buren Road to its intersection with the cleared right-of-way of Niagara Mohawk Power Company, thence northwesterly and north along said right-of-way to its intersection between Church Road and Emerick Road, with the cleared right-of-way of New York State Power Authority, thence easterly along said cleared right-of-way to its intersection with the Seneca River, thence south along the Seneca River to its intersection, near Gaskin Road, with the cleared right-of-way of Niagara Mohawk Power Company, thence southwesterly along said cleared right-of-way to its intersection with the eastern limits of the Village of Baldwinsville, thence south along such Village limits to their intersection with a line of railroad presently operated by the Erie-Lackawanna Railroad Company, thence southeasterly along said line of railroad to its intersection with the Van-Buren Lysander Town line, thence southeasterly along the Van-Buren Lysander Town line to its intersection with the Van-Buren Geddes Town line, thence southeasterly along the Van-Buren Geddes Town line to the line described in (b) above.

Sec. 21 Baltimore, Md.

The zone adjacent to and commercially a part of Baltimore, Md., within which trans-

portation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage to or from a point beyond the zone is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) includes and it is comprised of all as follows:

(a) The municipality of Baltimore itself;

(b) All points within a line drawn 5 miles beyond the boundaries of Baltimore;

(c) All points in that area east of the line described in paragraph (b) of this section bounded by a line as follows: Beginning at the point where the line described in paragraph (b) of this section crosses Dark Head Creek and extending in a southeasterly direction along the center of Dark Head Creek and beyond to a point off Wilson Point, thence in a northeasterly direction to and along the center of Frog Mortar Creek to Stevens Road, thence northerly along Stevens Road to Eastern Avenue, thence easterly along Eastern Avenue to Bengies Road, thence northwesterly along Bengies Road, to the right-of-way of the Penn Central Transportation Co., thence westerly along such right-of-way to the junction thereof with the line described in paragraph (b) of this section;

(d) All points in that area south of the line described in paragraph (b) of this section, bounded on the west by the right-of-way of the line of the Penn Central Transportation Co., extending between Stony Run and Severn, Md., and on the south by that part of Maryland Highway 176, extending easterly from the said railroad to its junction with the line described in paragraph (b) of this section;

(e) All points in that area southwest of the line described in paragraph (b) of this section, bounded by a line as follows: Beginning at the point where the line described in paragraph (b) of this section crosses the Baltimore-Washington Expressway and extending in a southwesterly direction along the Baltimore-Washington Expressway to its intersection with Maryland Highway 176, thence westerly along Maryland Highway 176 to its intersection with the Howard-Anne Arundel County line, thence southwesterly along said county line to its intersection with Maryland Highway 32, thence northwesterly along Maryland Highway 32 to its intersection with the Little Patuxent River, thence northerly along the Little Patuxent River to the intersection of its north fork and its east fork located approximately 1 mile north of the intersection of Maryland Highway 32 and Berger Road, thence easterly along the east fork of the Little Patuxent River to its intersection with Broken Land Parkway, thence southerly along Broken Land Parkway to its intersection with Snowden River Parkway, thence easterly along Snowden

River Parkway, to its intersection with relocated Maryland Highway 175, thence south-easterly along relocated Maryland Highway 175, to its intersection with Lark Brown Road, thence northeasterly along Lark Brown Road to its intersection with Maryland Highway 175, thence southerly along Maryland Highway 175 to its intersection with Interstate Highway 95, thence north-easterly along Interstate Highway 95 to its intersection with the line described in paragraph (b) of this section;

(f) All points in that area north of the line described in paragraph (b) of this section bounded by a line as follows: Beginning at the junction of the line described in paragraph (b) of this section and the Baltimore-Harrisburg Expressway (Interstate Highway 83), thence northerly along Interstate Highway 83 to its junction with Shawan Road, thence easterly along Shawan Road to its junction with York Road (Maryland Highway 45) and continuing to a point 1,500 feet east of Maryland Highway 45, thence southerly along a line 1,500 feet east of the parallel to Maryland Highway 45 to its junction with the line described in paragraph (b) of this section;

(g) All points in that area west of the line described in paragraph (b) of this section bounded by a line as follows: Beginning at the point where the line described in paragraph (b) of this section intersects U.S. Highway 40 west of Baltimore, Md., and extending in a westerly direction along U.S. Highway 40 to its intersection with St. John's Lane, thence southerly along St. John's Lane to its intersection with Maryland Highway 144, thence easterly along Maryland Highway 144 to its intersection with the line in paragraph (b) of this section;

(h) All of any municipality any part of which is within the limits of the combined areas defined in paragraphs (b), (c), (d), (e), (f), and (g) of this section;

(i) All of any municipality wholly surrounded, or surrounded except for a water boundary, by the city of Baltimore or by any municipality included under the terms of (h) above.

Sec. 22 Cleveland, Ohio

The zone adjacent to and commercially a part of Cleveland, Ohio, within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage to or from a point beyond the zone is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) includes and is comprised of all as follows:

(a) All points in Cuyahoga County, Ohio, and

(b) All points in Wickliffe, Willoughby Hills, Waite Hill, Willoughby, Willowick,

Eastlake, Lakeline, Timberlake, and Mentor, Lake County, Ohio.

Sec. 23 Detroit, Mich.

For the purpose of administration and enforcement of Part II of the Interstate Commerce Act, the zone adjacent to and commercially a part of Detroit, Mich., in which transportation by motor vehicle in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, will be partially exempt under section 203(b)(8) of the act (49 U.S.C. 303(b)(8)) from regulation, is hereby determined to include, and to be comprised of, all that area within a line as follows:

Beginning at a point on Lake St. Clair opposite the intersection of Fifteen Mile Road and Michigan Highway 29 and extending south and southwest along the shore of Lake St. Clair, to the Detroit River, thence along such River (east of Belle Isle) and Trenton Channel to a point opposite Sibley Road, thence west to and along Sibley Road to Waltz Road, thence north along Waltz Road to Wick Road, thence west along Wick Road to Cogswell Road, thence north along Cogswell Road to Van Born Road, thence east along Van Born Road to Newburgh Road, thence north along Newburgh Road to its junction with Halsted Road, thence north along Halsted Road to West Maple Road, thence east along West Maple Road to Telegraph Road, thence north along Telegraph Road to Sixteen Mile Road, thence east along Sixteen Mile Road to Utica Road, thence southeasterly along Utica Road to Fifteen Mile Road (also called East Maple Road), thence along Fifteen Mile Road and across Michigan Highway 29 to Lake St. Clair, the point of beginning.

Sec. 24 Seattle, Wash.

The zone adjacent to and commercially a part of Seattle, Wash., within which transportation by motor vehicle, in interstate or foreign commerce, not under common control, management, or arrangement for continuous carriage or shipments to or from a point beyond such zone, is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) includes and is comprised of all points as follows:

(a) The municipality of Seattle itself.

(b) All points within a line drawn 5 miles beyond the municipal limits of Seattle, except points on Bainbridge Island, Vashon Island, and Blake Island.

(c) All points more than 5 miles beyond the municipal limits of Seattle (1) within a line as follows: Beginning at that point south of Seattle where the eastern shore of Puget

Sound intersects the line described in paragraph (b) of this section, thence southerly along the eastern shore of Puget Sound to Southwest 192d Street, thence easterly along Southwest 192d Street to the point where it again intersects the line described in paragraph (b) of this section; and (2) within a line as follows: Beginning at the junction of the southern corporate limits of Kent, Wash., and Washington Highway 181, and extending south along Washington Highway 181 to the northern corporate limits of Auburn, Wash., thence along the western, southern, and eastern corporate limits of Auburn to the junction of the northern corporate limits of Auburn and Washington Highway 167, thence northerly along Washington Highway 167 to its junction with the southern corporate limits of Kent, Wash., including all points on the highways named.

(d) All points more than 5 miles beyond the municipal limits of Seattle within a line as follows: Beginning at the junction of the northern corporate limits of Lynwood, Wash., and U.S. Highway 99, thence north along U.S. Highway 99 to its junction with Washington Highway 525, thence along Washington Highway 525 to its junction with West Casino Road, thence east along West Casino Road to the western boundary of the Everett facilities of the Boeing Co. at or near 4th Avenue West, thence along the western, northern and eastern boundaries of the facilities of the Boeing Co. to West Casino Road, thence east along West Casino Road to its junction with U.S. Highway 99, thence south along U.S. Highway 99 to 112th Street, thence easterly along 112th Street to its junction with Interstate Highway 5, thence southerly along Interstate Highway 5 to its intersection with the present zone limits, including all points on the named routes.

(e) All of any municipality any part of which is within the limits set forth in (b) above.

(f) All of any municipality wholly surrounded, or so surrounded except for a water boundary, by the city of Seattle or by any municipality included under the terms of (b) above.

Sec. 25 Albany, N.Y.

For the purpose of administration and enforcement of Part II of the Interstate Commerce Act, the zone adjacent to and commercially a part of Albany, N.Y., in which transportation by motor vehicle in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, will be partially exempt under section 203(b)(8) of the act (49 U.S.C. 303(b)(8)) from regulations, is hereby determined to include, and to be comprised of, the following:

(a) The municipality of Albany itself,

(b) All points within a line drawn 5 miles beyond the municipal limits of Albany,

(c) All points in that area more than 5 miles beyond the municipal limits of Albany bounded by a line as follows: Beginning at that point on Swatling Road (in the Town of Colonie) where it crosses the line described in (b) above and extending northerly along such road to the municipal limits of Cohoes, thence along the western and northern boundary of Cohoes to the Mohawk River, thence along such river to the northern boundary of the Town of Waterford, thence along the northern and eastern boundaries of the Town of Waterford to the northern boundary of the City of Troy (all of which city is included under the next following provision),

(d) All of any municipality any part of which is within the limits of the combined areas defined in (b) and (c) above, and

(e) All of any municipality wholly surrounded, or so surrounded except for a water boundary, by the municipality of Albany or by any other municipality included under the terms of (d) above.

Sec. 26 Minneapolis-St. Paul, Minn.

The zone adjacent to and commercially a part of Minneapolis-St. Paul, Minn., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage to or from a point beyond the zone is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) includes and it is comprised of all as follows:

Beginning at the intersection of Minnesota Highway 36 and the Minnesota River and extending along the Minnesota River to the southwest corner of the city of Bloomington, thence north along the western boundaries of the city of Bloomington and the village of Edina to the southern boundary of the city of Hopkins, thence along the southern, western, and northern boundaries of the city of Hopkins to the western boundary of the city of St. Louis Park, thence north along the western boundaries of the city of St. Louis Park and the village of Golden Valley to the southeast corner of the village of Plymouth, thence west along the southern boundary of Plymouth to Interstate Highway 494, thence north along Interstate Highway 494 to Minnesota Highway 55, thence southeast along Minnesota Highway 55 to the western boundary of the village of Golden Valley, thence north along the western boundaries of the villages of Golden Valley and New Hope to the northwestern corner of the village of New Hope, thence east along the northern boundary of the village of New Hope and the city of Crystal to the western boundary of the village of Brooklyn Center, thence north along the western boundary of the village of

Brooklyn Center to its northern boundary, thence east along such northern boundary to the Hennepin County-Anoka County line, thence north along such county line to the northwestern corner of the village of Spring Lake Park in Anoka County, thence east along the northern boundary of the village of Spring Lake Park to the northwest corner of Mounds View Township in Ramsey County, thence east and south along the northern and eastern boundaries of Mounds View Township to the northwestern corner of the village of Little Canada, thence east and south along the northern and eastern boundaries of Little Canada to the northwest corner of the village of Maplewood, thence east and south along the northern and eastern boundaries of the village of Maplewood to the northeastern corner of the village of North St. Paul, thence south along the eastern boundary of the village of North St. Paul to the southeast corner of such village, thence south along the eastern boundary of the village of Maplewood to the northeastern corner of the village of Newport, thence south and west along the eastern and southern boundaries of the village of Newport to U.S. Highway 61, thence southeasterly along U.S. Highway 61, to the eastern boundary of the village of St. Paul Park, thence along the eastern, southern, and western boundaries of the village of St. Paul Park to a point on the Mississippi River opposite the southeast corner of the original village of Inver Grove, thence westerly across the river and along the southern and western boundaries of the original village of Inver Grove to the northwest corner of such village, thence due north to the southern boundary of South St. Paul, thence north and west along the western and southern boundaries of South St. Paul to the southeastern corner of West St. Paul, thence west along the southern boundary of West St. Paul to County Highway 63, thence south along County Highway 63 to its junction with County Highway 63A, thence west along County Highway 63A to its junction with Minnesota Highway 49, thence north along Minnesota Highway 49 to its junction with County Highway 28, thence west along County Highway 28 to its junction with Minnesota Highway 13, thence southwest along Minnesota Highway 13 to its junction with Minnesota Highway 36, thence north and northwest along Minnesota Highway 36 to the Minnesota River, the point of beginning.

Sec. 27 New Orleans, La.

The zone adjacent to and commercially a part of New Orleans, La., within which transportation by motor vehicle, in interstate or foreign commerce, not under common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone is partially exempt

from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)), includes and is comprised of all points in the area bounded as follows:

Commencing at a point on the shore of Lake Pontchartrain where it is crossed by the Jefferson Parish-Orleans Parish line; thence easterly along the shore of Lake Pontchartrain to the Rigolets; thence through the Rigolets in an easterly direction to Lake Borgne; thence southwesterly along the shore of Lake Borgne to the Bayou Bienvenue; thence in a general westerly direction along the Bayou Bienvenue (which also constitutes the Orleans Parish-St. Bernard Parish line) to Paris Road; thence in a southerly direction along Paris Road to the Back Protection Levee; thence in a southeasterly direction along the Back Protection Levee (across Lake Borgne Canal) to a point 1 mile north of Louisiana Highway 46; thence in an easterly direction 1 mile north of Louisiana Highway 46 to longitude 89°50' W.; thence south along longitude line 89°50' W. (crossing Louisiana Highway 46 approximately three-eighths of a mile east of Toca) to Forty Arpent Canal; thence westerly, northwesterly, and southerly along Forty Arpent Canal to Scarsdale Canal; thence northwesterly along Scarsdale Canal and beyond it in the same direction to the middle of the Mississippi River; thence southerly along the middle of the Mississippi River to the Augusta Canal; thence in a westerly direction along the Augusta Canal to the Gulf Intracoastal Waterway; thence in a northerly direction along the middle of the Gulf Intracoastal Waterway (Harvey Canal) to the point where Lapalco Boulevard runs perpendicular to the Gulf Intracoastal Waterway (Harvey Canal); thence in a westerly direction along Lapalco Boulevard to its junction with Barataria Boulevard; thence north on Barataria Boulevard to a point approximately 2 miles south of the Mississippi River where a high tension transmission line crosses Barataria Boulevard; thence in a westerly direction following such transmission line to the intersection thereof with U.S. Highway 90; thence westerly along U.S. Highway 90 to the Jefferson Parish-St. Charles Parish line; thence north along such parish line to the middle of the Mississippi River; thence westerly along the middle of the Mississippi River to a point south of Almedia Road; thence north to Almedia Road; thence in a northerly direction along Almedia Road to its junction with Highway 61; thence north to the shore of Lake Pontchartrain; thence along the shore of Lake Pontchartrain in an easterly direction to the Jefferson Parish-Orleans Parish line, the point of beginning.

Sec. 28 Pittsburgh, Pa.

For the purpose of administration and enforcement of Part II of the Interstate Commerce Act, the zone adjacent to and commercially a part of Pittsburgh, Pa., in which transportation by motor vehicle in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, will be partially exempt under section 203(b)(8) of the act (49 U.S.C. 303(b)(8)) from regulation, is hereby determined to include, and to be comprised of, the following:

- (a) All points in Allegheny County, Pa., except Forward, Elizabeth, South Versailles, Marshall (including the Borough of Bradford Woods), Pine Richland, West Deer and Fawn Townships and that part of Frazer Township north of a line made by extending easterly in a straight line the southern boundary of West Deer Township.
- (b) Borough of Trafford situated in both Allegheny and Westmoreland Counties;
- (c) Borough of Ambridge and Harmony Township located in Beaver County; and
- (d) The City of New Kensington and Borough of Arnold in Westmoreland County.

Sec. 29 Portland, Oreg.

For the purpose of administration and enforcement of Part II of the Interstate Commerce Act, the zone adjacent to and commercially a part of Portland, Oreg., in which transportation by motor vehicle in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, will be partially exempt under section 203(b)(8) of the act (49 U.S.C. 303(b)(8)) from regulation, is hereby determined to include, and to be comprised of, the following:

- (a) The municipality itself.
- (b) All points in Oregon within a line drawn 5 miles beyond the corporate limits of Portland.
- (c) All of any municipality any part of which is within the line described in (b) above.
- (d) All of any municipality wholly surrounded, or so surrounded except for a water boundary, by the city of Portland or by any municipality included under the terms of (c) above.

Sec. 30 Vancouver, Wash.

For the purpose of administration and enforcement of Part II of the Interstate Commerce Act, the zone adjacent to and commercially a part of Vancouver, Wash., in which transportation by motor vehicle in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, will be par-

tially exempt under section 203(b)(8) of the act (49 U.S.C. 303(b)(8)) from regulation, is hereby determined to include, and to be comprised of, the following:

- (a) The municipality itself.
- (b) All points in Washington within a line drawn 4 miles beyond the corporate limits of Vancouver.
- (c) All of any municipality any part of which is within the line described in (b) above.
- (d) All of any municipality wholly surrounded, or so surrounded except for a water boundary, by the City of Vancouver or by any municipality included under the terms of (c) above.

Sec. 31 Charleston, S.C.

The zone adjacent to and commercially a part of Charleston, S.C., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone is partially exempt, under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)), from regulation, includes and is comprised of, all points and places as follows:

- (a) The municipality of Charleston itself.
- (b) All points within a line drawn 4 miles beyond the boundaries of Charleston.
- (c) All points in that area north of the line described in paragraph (b) of this section, bounded by a line as follows: Beginning at the point where the line described in paragraph (b) of this section crosses Cooper River and extending in a northerly direction along the center of Cooper River to Goose Creek; thence north and west along the center of Goose Creek to the dam of the reservoir of the Charleston waterworks; thence northwesterly along the west bank of the Charleston waterworks reservoir for approximately one mile to an unnamed creek; thence westerly along the center of this unnamed creek for approximately one mile to U.S. Highway 52; thence northerly along U.S. Highway 52 to junction South Carolina Highway S-10-75; thence westerly along South Carolina Highway S-10-75 approximately one and one half miles to a point one quarter mile west of the track of the Southern Railway Company; thence southeasterly along a line one quarter of a mile west of, and parallel to, the track of the Southern Railway Company to the junction thereof with the line described in paragraph (b) of this section.
- (d) All of any municipality any part of which is within the limits of the combined areas defined in paragraphs (1) and (c) of this section.
- (e) All of any municipality wholly surrounded, or so surrounded except for a water boundary, by the city of Charleston or by

any municipality included under the terms of paragraph (d) of this section.

Sec. 32 Charleston, W. Va.

That zone adjacent to and commercially a part of Charleston, W. Va., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, is partially exempt, under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)), from regulation, includes, and is comprised of, all points and places as follows:

(a) The municipality of Charleston, W. Va., itself.

(b) All points within a line drawn 4 miles beyond the corporate limits of Charleston, W. Va.

(c) All points in that area northwest of those described in (b) above, bounded by a line as follows: Beginning at a point on the line described in (b) above, one-half mile south of U.S. Highway 60 west of Charleston, thence westerly along a line one-half mile south of the junction of U.S. Highway 60 with West Virginia Highway 17 near 2¼ Mile Creek, thence westerly along a line one-half mile south of and parallel to West Virginia Highway 17 to the Coal River, thence north along the center of the Coal River to West Virginia Highway 17, thence northerly along West Virginia Highway 17 to Scary Creek, near Scary, W. Va., thence east along Scary Creek to the center of the Kanawha River, thence northerly along the center of the Kanawha River to a point opposite the mouth of Blake Creek (between Nitro and Poca, W. Va.), thence easterly along a straight line drawn through the junction of U.S. Highway 35 and West Virginia Highway 25 to a point one-half mile beyond said junction, thence southerly along a line one-half mile northeast of and parallel to West Virginia Highway 25 to the junction of the line described in (b) above.

(d) All points in that area southeast of those described in (b) above, bounded by a line as follows: Beginning at a point on the line described in (b) above one-half mile south of the Kanawha River, thence easterly along a line one-half mile south of, and parallel to, the Kanawha River to junction with a straight line intersecting the highway bridge at Chelyan, W. Va., thence northerly along said straight line across the Kanawha River to a point one-half mile north of the Kanawha River, thence westerly along a line one-half mile north of and parallel to the Kanawha River to the junction of the line described in (b) above.

(e) All of any municipality any part of which is within the limits of the combined areas defined in (b), (c), and (d) above.

Sec. 33 Memphis, Tenn.

That zone adjacent to and commercially a part of Memphis, Tenn., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, is partially exempt, under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) from regulation, includes, and is comprised of, all points as follows:

(a) The municipality of Memphis, Tenn., itself.

(b) All points within a line drawn 5 miles beyond the corporate limits of Memphis, Tenn.

(c) All points in that part of Shelby County, Tenn., north of the line described in paragraph (b) of this section, bounded by a line as follows: Beginning at the intersection of the line described in paragraph (b) of this section and U.S. Highway 51 north of Memphis, thence northeasterly along U.S. Highway 51 for approximately 3 miles to its intersection with Lucy Road, thence easterly along Lucy Road for approximately 1.4 miles to its intersection with Chase Road, thence northerly along Chase Road for approximately 0.6 mile to its intersection with Lucy Road thence easterly along Lucy Road for approximately 0.8 mile to its intersection with Main Road, thence southeasterly along Main Road approximately 0.3 mile to its intersection with Amherst Road, thence southerly and easterly along Amherst Road for approximately 0.8 mile to its intersection with Raleigh-Millington Road, thence southerly along Raleigh-Millington Road for approximately 2 miles to its intersection with the line described in paragraph (b) of this section north of Memphis;

(d) All of any municipality any part of which is within the limits of the combined areas described in paragraphs (b) and (c) of this section.

Sec. 34 Houston, Tex.

The zone adjacent to, and commercially a part of Houston, Tex., and contiguous municipalities in which transportation by motor vehicle, in interstate or foreign commerce, not under common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, will be partially exempt under section 203(b)(8) of the act from regulation, is hereby defined to include the area which would result by application of the general formula promulgated in §372.241, and in addition thereto, the municipalities of Baytown, La Porte and Lomax, Tex.

Sec. 35 Pueblo, Colo.

The zone adjacent to and commercially a part of Pueblo, Colo., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond such zone is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)), includes and is comprised of all points as follows:

(a) the municipality of Pueblo, Colo., itself;

(b) All points within a line drawn 4 miles beyond the corporate limits of Pueblo, Colo.:

(c) All of the area known as the Pueblo Memorial Airport, consisting of about 3,500 acres, not within 4 miles of the corporate limits of Pueblo, Colo., and within an area located on the East of Pueblo, the nearest point being about 3.80 miles from the city limits of Pueblo, and bounded on the south by the tracks of the Santa Fe Railroad and the Missouri Pacific Railroad, and a public highway known as Baxter Road and designated as U.S. Highway 50 Bypass and Colorado Highway 96, with such property extending north, west, and east of the described southern base line.

Sec. 36 Warren, Ohio.

The zone adjacent to and commercially a part of Warren, Ohio, within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, is partially exempt, under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) from regulation includes, and is comprised of, all points as follows:

(a) The municipality of Warren, Ohio, itself.

(b) All points within a line drawn 4 miles beyond the corporate limits of Warren, Ohio.

(c) All points in that area, south of the line in paragraph (b) of this section, bounded by a line as follows: Beginning at the point where the line described in paragraph (b) of this section intersects Ellsworth-Baily Road, thence south along Ellsworth-Baily Road to the Ohio Turnpike, thence southeast along the Ohio Turnpike to New Hallock-Young Road, thence northeast along New Hallock-Young Road to Hallock-Young Road, thence east along Hallock-Young Road to junction Ohio Highway 45 (Salem-Warren Road), thence north along Ohio Highway 45 (Salem-Warren Road) to its intersection with the line described in paragraph (b) of this section.

Sec. 37 Louisville, Ky.

The zone adjacent to and commercially a part of Louisville, Ky., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond such zone, is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) includes and is comprised of all points as follows:

(a) The municipality of Louisville, Ky., itself;

(b) All other municipalities and unincorporated areas within 5 miles of the corporate limits of Louisville, Ky., and all of any municipality any part of which lies within 5 miles of such corporate limits; and

(c) Those points not within 5 miles of the corporate limits of Louisville, Ky., and within an area bounded by a line beginning at the junction of Kentucky Highway 146 (La-Grange Road) and Kentucky Highway 1447 (Westport Road), thence over Kentucky Highway 146 to the junction of Kentucky Highway 146 and Kentucky Highway 841 (Jefferson Freeway), thence over Kentucky Highway 841 to the junction of Kentucky Highway 841 and Kentucky Highway 1447, thence over Kentucky Highway 1447 to junction Kentucky Highway 1447 and Kentucky Highway 146, the point of beginning, all within Jefferson County, Ky.

Sec. 38 Sioux City, Iowa.

The zone adjacent to and commercially a part of Sioux City, Iowa, within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond such zone, is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) includes and is comprised of all points as follows:

(a) The area which would result by application of the general formula promulgated in §372.241; and, in addition thereto,

(b) That area bounded by a line beginning at the intersection of Interstate Highway 29 and the line described in paragraph (a) of this section, and extending southeasterly along Interstate Highway 29 to its intersection with the Liberty-Lakeport Township, Iowa, line, thence westerly along the Liberty-Lakeport Township, Iowa, line to the Missouri River, thence northerly along the east bank of the Missouri River to its intersection with the line described in paragraph (a) of this section, thence along the line described in paragraph (a) of this section, to the point of beginning.

Sec. 39 Beaumont, Tex.

The zone adjacent to and commercially a part of Beaumont, Tex., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond such zone, is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) includes and is comprised of all points as follows:

(a) The areas which would result by application of the general formula promulgated in §372.241 for Beaumont, Tex.; and in addition thereto,

(b) That area bounded by a line beginning at that point where the west bank of Hillebrandt Bayou intersects the line described in paragraph (a) of this section; thence along the west bank of Hillebrandt Bayou to its confluence with Taylors Bayou; thence in a southeasterly direction along the west and south banks of Taylors Bayou to its confluence with the Intracoastal Waterway; thence along the west and north banks of the Intra-coastal Waterway to its confluence with Sabine River and Sabine Lake at a point immediately east of Groves; thence in a northeasterly direction along the north and west banks of Sabine Lake and Sabine River to the Orange-Newton County line; thence westerly along said county line to the west right-of-way line of State Highway 87; thence southerly along the west right-of-way line of State Highway 87 to the north right-of-way line of Interstate Highway 10; thence westerly along the north right-of-way line of Interstate Highway 10 to intersection with the line described in paragraph (a) of this section; thence along the line described in paragraph (a) of this section, to the point of beginning.

Sec. 40 Metropolitan Government of Nashville and Davidson County, Tenn.

The zone adjacent to and commercially a part of the Metropolitan Government of Nashville and Davidson County, Tenn, within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) includes and is comprised of all points as follows:

(a) The Metropolitan Government of Nashville and Davidson County itself.

(b) All of any municipality wholly surrounded, or so surrounded except for a water boundary, by the Metropolitan Government of Nashville and Davidson County.

Sec. 41 Consolidated City of Indianapolis, Ind.

The zone adjacent to and commercially a part of the Consolidated City of Indianapolis, Ind., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) includes and is comprised of all points as follows:

(a) The Consolidated City of Indianapolis, Ind., itself.

(b) All of any municipality wholly surrounded or so surrounded except for a water boundary, by the Consolidated City of Indianapolis.

Sec. 42 Lexington-Fayette Urban County, Ky.

The zone adjacent to and commercially a part of Lexington-Fayette Urban County, Ky., within which transportation by motor vehicle, in interstate or foreign commerce, not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point beyond the zone, is partially exempt from regulation under section 203(b)(8) of the Interstate Commerce Act (49 U.S.C. 303(b)(8)) includes and is comprised of all points as follows:

(a) Lexington-Fayette Urban County, Ky., itself.

(b) All other municipalities and unincorporated areas within 5 miles of the intersection of U.S. Highway 27 (Nicholasville Road) with the corporate boundary line between Jessamine County, Ky., and Lexington-Fayette Urban County, Ky.

Sec. 43 Definitions.

For the purposes of this part, the following terms are defined:

(a) "Municipality" means any city, town, village, or borough which has been created by special legislative act or which has been, otherwise, individually incorporated or chartered pursuant to general State laws, or which is recognized as such, under the Constitution or by the laws of the State in which located, and which has a local government. It does not include a town of the township or New England type.

(b) "Contiguous municipalities" means municipalities, as defined in paragraph (a) of this section, which have at some point a common municipal or corporate boundary.

(c) "Unincorporated area" means any area not within the corporate or municipal boundaries of any municipality as defined in paragraph (a) of this section.

Sec. 44 Commercial zones determined generally, with exceptions.

The commercial zone of each municipality in the United States, with the exceptions indicated in the note at the end of this section, within which the transportation of passengers or property, in interstate or foreign commerce, when not under a common control, management, or arrangement for a continuous carriage or shipment to or from a point without such zone, is exempt from all provisions of Part II, Interstate Commerce Act, except the provisions of section 204 relative to the qualifications and maximum hours of service of employees and safety of operation or standards of equipment shall be deemed to consist of:

(a) The municipality itself, hereinafter called the base municipality;

(b) All municipalities which are contiguous to the base municipality;

(c) All other municipalities and all unincorporated area within the United States which are adjacent to the base municipality as follows:

(1) When the base municipality has a population less than 2,500 all unincorporated areas within two miles of its corporate limits and all of any other municipality any part of which is within two miles of the corporate limits of the base municipality,

(2) When the base municipality has a population of 2,500 but less than 25,000, all unincorporated areas within 3 miles of its corporate limits and all of any other municipality any part of which is within 3 miles of the corporate limits of the base municipality,

(3) When the base municipality has a population of 25,000 but less than 100,000, all unincorporated areas within 4 miles of its corporate limits and all of any other municipality any part of which is within 4 miles of the corporate limits of the base municipality, and

(4) When the base municipality has a population of 100,000 or more, all unincorporated areas within 5 miles of its corporate limits and all of any other municipality any part of which is within 5 miles of the corporate limits of the base municipality, and

(d) All municipalities wholly surrounded, or so surrounded except for a water boundary, by the base municipality, by any municipality contiguous thereto, or by any municipality adjacent thereto which is included in the commercial zone of such base municipality under the provisions of paragraph (c) of this section.

NOTE: Except: Municipalities the commercial zones of which have been or are hereafter individually or specially determined.

Sec. 45 Controlling distances and population data.

In the application of §372.241:

(a) Air-line distances or mileages about corporate limits of municipalities shall be used.

(b) The population of any municipality shall be deemed to be the highest figure shown for that municipality in any decennial census since (and including) the 1940 decennial census.

[53 FR 18058, May 19, 1988, as amended at 62 FR 49942, Sept. 24, 1997]

APPENDIX G TO SUBCHAPTER B OF CHAPTER III—MINIMUM PERIODIC INSPECTION STANDARDS

A vehicle does not pass an inspection if it has one of the following defects or deficiencies:

1. Brake System.

a. Service brakes.—(1) Absence of braking action on any axle required to have brakes upon application of the service brakes (such as missing brakes or brake shoe(s) failing to move upon application of a wedge, S-cam, cam, or disc brake).

(2) Missing or broken mechanical components including: shoes, lining, pads, springs, anchor pins, spiders, cam rollers, push-rods, and air chamber mounting bolts.

(3) Loose brake components including air chambers, spiders, and cam shaft support brackets.

(4) Audible air leak at brake chamber (Example—ruptured diaphragm, loose chamber clamp, etc.).

(5) Readjustment limits. The maximum stroke at which brakes should be readjusted is given below. Any brake 1/4" or more past the readjustment limit or any two brakes less than 1/4" beyond the readjustment limit shall be cause for rejection. Stroke shall be measured with engine off and reservoir pressure of 80 to 90 psi with brakes fully applied.

BOLT TYPE BRAKE CHAMBER DATA

Type	Effective area (sq. in.)	Outside dia. (in.)	Maximum stroke at which brakes should be readjusted
A	12	6 ¹ / ₁₆	1 ³ / ₈
B	24	9 ⁹ / ₁₆	1 ³ / ₄
C	16	8 ¹ / ₁₆	1 ³ / ₄
D	6	5 ¹ / ₄	1 ¹ / ₄
E	9	6 ³ / ₁₆	1 ³ / ₈
F	36	11	2 ¹ / ₄
G	30	9 ⁷ / ₈	2

ROTOCHAMBER DATA

Type	Effective area (sq. in.)	Outside dia. (in.)	Maximum stroke at which brakes should be readjusted
9	9	4 ⁹ / ₃₂	1 ¹ / ₂
12	12	4 ¹³ / ₁₆	1 ¹ / ₂
16	16	5 ¹³ / ₃₂	2
20	20	5 ¹⁵ / ₁₆	2
24	24	6 ¹³ / ₃₂	2
30	30	7 ¹ / ₁₆	2 ¹ / ₄
36	36	7 ⁵ / ₈	2 ³ / ₄
50	50	8 ⁷ / ₈	3

CLAMP TYPE BRAKE CHAMBER DATA

Type	Effective area (sq. in.)	Outside dia. (in.)	Maximum stroke at which brakes should be readjusted
6	6	4 ¹ / ₂	1 ¹ / ₄
9	9	5 ¹ / ₄	1 ³ / ₈
12	12	5 ¹¹ / ₁₆	1 ³ / ₈
16	16	6 ³ / ₈	1 ³ / ₄
20	20	6 ²⁵ / ₃₂	1 ³ / ₄
24	24	7 ⁷ / ₃₂	1 ³ / ₄
30	30	8 ³ / ₃₂	2
36	36	9	2 ¹ / ₄

¹ (2" for long stroke design).

Wedge Brake Data.—Movement of the scribe mark on the lining shall not exceed ¹/₁₆ inch.

(6) Brake linings or pads.

(a) Lining or pad is not firmly attached to the shoe;

(b) Saturated with oil, grease, or brake fluid; or

(c) Non-steering axles: Lining with a thickness less than ¹/₄ inch at the shoe center for air drum brakes, ¹/₁₆ inch or less at the shoe center for hydraulic and electric drum brakes, and less than ¹/₈ inch for air disc brakes.

(d) Steering axles: Lining with a thickness less than ¹/₄ inch at the shoe center for drum brakes, less than ¹/₈ inch for air disc brakes and ¹/₁₆ inch or less for hydraulic disc and electric brakes.

(7) Missing brake on any axle required to have brakes.

(8) Mismatch across any power unit steering axle of:

(a) Air chamber sizes.

(b) Slack adjuster length.

b. *Parking Brake System.* No brakes on the vehicle or combination are applied upon actuation of the parking brake control, including driveline hand controlled parking brakes.

c. *Brake Drums or Rotors.*

(1) With any external crack or cracks that open upon brake application (do not confuse short hairline heat check cracks with flexural cracks).

(2) Any portion of the drum or rotor missing or in danger of falling away.

d. *Brake Hose.*

(1) Hose with any damage extending through the outer reinforcement ply. (Rubber impregnated fabric cover is not a reinforcement ply). (Thermoplastic nylon may have braid reinforcement or color difference between cover and inner tube. Exposure of second color is cause for rejection.

(2) Bulge or swelling when air pressure is applied.

(3) Any audible leaks.

(4) Two hoses improperly joined (such as a splice made by sliding the hose ends over a piece of tubing and clamping the hose to the tube).

(5) Air hose cracked, broken or crimped.

e. *Brake Tubing.*

(1) Any audible leak.

(2) Tubing cracked, damaged by heat, broken or crimped.

f. *Low Pressure Warning Device* missing, inoperative, or does not operate at 55 psi and below, or ¹/₂ the governor cut-out pressure, whichever is less.

g. *Tractor Protection Valve.* Inoperable or missing tractor protection valve(s) on power unit.

h. *Air Compressor.*

(1) Compressor drive belts in condition of impending or probable failure.

(2) Loose compressor mounting bolts.

(3) Cracked, broken or loose pulley.

(4) Cracked or broken mounting brackets, braces or adapters.

i. *Electric Brakes.*

(1) Absence of braking action on any wheel required to have brakes.

(2) Missing or inoperable breakaway braking device.

j. *Hydraulic Brakes. (Including Power Assist Over Hydraulic and Engine Drive Hydraulic Booster).*

(1) Master cylinder less than ¹/₄ full.

(2) No pedal reserve with engine running except by pumping pedal.

(3) Power assist unit fails to operate.

(4) Seeping or swelling brake hose(s) under application of pressure.

(5) Missing or inoperative check valve.

(6) Has any visually observed leaking hydraulic fluid in the brake system.

(7) Has hydraulic hose(s) abraded (chafed) through outer cover-to-fabric layer.

(8) Fluid lines or connections leaking, restricted, crimped, cracked or broken.

(9) Brake failure or low fluid warning light on and/or inoperative.

k. *Vacuum Systems.* Any vacuum system which:

(1) Has insufficient vacuum reserve to permit one full brake application after engine is shut off.

(2) Has vacuum hose(s) or line(s) restricted, abraded (chafed) through outer cover to cord

ply, crimped, cracked, broken or has collapse of vacuum hose(s) when vacuum is applied.

(3) Lacks an operative low-vacuum warning device as required.

2. *Coupling devices.*

a. *Fifth Wheels.*

(1) Mounting to frame.

(a) Any fasteners missing or ineffective.

(b) Any movement between mounting components.

(c) Any mounting angle iron cracked or broken.

(2) Mounting plates and pivot brackets.

(a) Any fasteners missing or ineffective.

(b) Any welds or parent metal cracked.

(c) More than $\frac{3}{8}$ inch horizontal movement between pivot bracket pin and bracket.

(d) Pivot bracket pin missing or not secured.

(3) Sliders.

(a) Any latching fasteners missing or ineffective.

(b) Any fore or aft stop missing or not securely attached.

(c) Movement more than $\frac{3}{8}$ inch between slider bracket and slider base.

(d) Any slider component cracked in parent metal or weld.

(4) Lower coupler.

(a) Horizontal movement between the upper and lower fifth wheel halves exceeds $\frac{1}{2}$ inch.

(b) Operating handle not in closed or locked position.

(c) Kingpin not properly engaged.

(d) Separation between upper and lower coupler allowing light to show through from side to side.

(e) Cracks in the fifth wheel plate.

Exceptions: Cracks in fifth wheel approach ramps and casting shrinkage cracks in the ribs of the body of a cast fifth wheel.

(f) Locking mechanism parts missing, broken, or deformed to the extent the kingpin is not securely held.

b. *Pintle Hooks.*

(1) Mounting to frame.

(a) Any missing or ineffective fasteners (a fastener is not considered missing if there is an empty hole in the device but no corresponding hole in the frame or vice versa).

(b) Mounting surface cracks extending from point of attachment (e.g., cracks in the frame at mounting bolt holes).

(c) Loose mounting.

(d) Frame cross member providing pintle hook attachment cracked.

(2) Integrity.

(a) Cracks anywhere in pintle hook assembly.

(b) Any welded repairs to the pintle hook.

(c) Any part of the horn section reduced by more than 20%.

(d) Latch insecure.

c. *Drawbar/Towbar Eye.*

(1) Mounting.

(a) Any cracks in attachment welds.

(b) Any missing or ineffective fasteners.

(2) Integrity.

(a) Any cracks.

(b) Any part of the eye reduced by more than 20%.

d. *Drawbar/Towbar Tongue.*

(1) Slider (power or manual).

(a) Ineffective latching mechanism

(b) Missing or ineffective stop.

(c) Movement of more than $\frac{1}{4}$ inch between slider and housing.

(d) Any leaking, air or hydraulic cylinders, hoses, or chambers (other than slight oil weeping normal with hydraulic seals).

(2) Integrity.

(a) Any cracks.

(b) Movement of $\frac{1}{4}$ inch between subframe and drawbar at point of attachment.

e. *Safety Devices.*

(1) Safety devices missing.

(2) Unattached or incapable of secure attachment.

(3) Chains and hooks.

(a) Worn to the extent of a measurable reduction in link cross section.

(b) Improper repairs including welding, wire, small bolts, rope and tape.

(4) Cable.

(a) Kinked or broken cable strands.

(b) Improper clamps or clamping.

f. *Saddle-Mounts.*

(1) Method of attachment.

(a) Any missing or ineffective fasteners.

(b) Loose mountings.

(c) Any cracks or breaks in a stress or load bearing member.

(d) Horizontal movement between upper and lower saddle-mount halves exceeds $\frac{1}{4}$ inch.

3. *Exhaust System.*

a. Any exhaust system determined to be leaking at a point forward of or directly below the driver/sleeper compartment.

b. A bus exhaust system leaking or discharging to the atmosphere:

(1) Gasoline powered—excess of 6 inches forward of the rearmost part of the bus.

(2) Other than gasoline powered—in excess of 15 inches forward of the rearmost part of the bus.

(3) Other than gasoline powered—forward of a door or window designed to be opened. (exception: Emergency exits).

c. No part of the exhaust system of any motor vehicle shall be so located as would be likely to result in burning, charring, or damaging the electrical wiring, the fuel supply, or any combustible part of the motor vehicle.

4. *Fuel System.*

a. A fuel system with a visible leak at any point.

b. A fuel tank filler cap missing.

c. A fuel tank not securely attached to the motor vehicle by reason of loose, broken or missing mounting bolts or brackets (some

fuel tanks use springs or rubber bushings to permit movement).

5. *Lighting Devices.* All lighting devices and reflectors required by Section 393 shall be operable.

6. *Safe Loading.*

a. Part(s) of vehicle or condition of loading such that the spare tire or any part of the load or dunnage can fall onto the roadway.

b. Protection Against Shifting Cargo—Any vehicle without a front-end structure or equivalent device as required.

7. *Steering Mechanism.*

a. *Steering Wheel Free Play (on vehicles equipped with power steering the engine must be running).*

Steering wheel diameter	Manual steering system	Power steering system
16"	2"	4½"
18"	2¼"	4¾"
20"	2½"	5¼"
22"	2¾"	5¾"

b. *Steering Column.*

(1) Any absence or looseness of U-bolt(s) or positioning part(s).

(2) Worn, faulty or obviously repair welded universal joint(s).

(3) Steering wheel not properly secured.

c. *Front Axle Beam and All Steering Components Other Than Steering Column.*

(1) Any crack(s).

(2) Any obvious welded repair(s).

d. *Steering Gear Box.*

(1) Any mounting bolt(s) loose or missing.

(2) Any crack(s) in gear box or mounting brackets.

e. *Pitman Arm.* Any looseness of the pitman arm on the steering gear output shaft.

f. *Power Steering.* Auxiliary power assist cylinder loose.

g. *Ball and Socket Joints.*

(1) Any movement under steering load of a stud nut.

(2) Any motion, other than rotational, between any linkage member and its attachment point of more than ¼ inch.

h. *Tie Rods and Drag Links.*

(1) Loose clamp(s) or clamp bolt(s) on tie rods or drag links.

(2) Any looseness in any threaded joint.

i. *Nuts.* Nut(s) loose or missing on tie rods, pitman arm, drag link, steering arm or tie rod arm.

j. *Steering System.* Any modification or other condition that interferes with free movement of any steering component.

8. *Suspension.*

a. Any U-bolt(s), spring hanger(s), or other axle positioning part(s) cracked, broken, loose or missing resulting in shifting of an axle from its normal position. (After a turn, lateral axle displacement is normal with some suspensions. Forward or rearward oper-

ation in a straight line will cause the axle to return to alignment).

b. *Spring Assembly.*

(1) Any leaves in a leaf spring assembly broken or missing.

(2) Any broken main leaf in a leaf spring assembly. (Includes assembly with more than one main spring).

(3) Coil spring broken.

(4) Rubber spring missing.

(5) One or more leaves displaced in a manner that could result in contact with a tire, rim, brake drum or frame.

(6) Broken torsion bar spring in a torsion bar suspension.

(7) Deflated air suspension, i.e., system failure, leak, etc.

c. *Torque, Radius or Tracking Components.*

Any part of a torque, radius or tracking component assembly or any part used for attaching the same to the vehicle frame or axle that is cracked, loose, broken or missing. (Does not apply to loose bushings in torque or track rods.)

9. *Frame.*

a. *Frame Members.*

(1) Any cracked, broken, loose, or sagging frame member.

(2) Any loose or missing fasteners including fasteners attaching functional component such as engine, transmission, steering gear, suspension, body parts, and fifth wheel.

b. *Tire and Wheel Clearance.* Any condition, including loading, that causes the body or frame to be in contact with a tire or any part of the wheel assemblies.

c. (1) *Adjustable Axle Assemblies (Sliding Subframes).* Adjustable axle assembly with locking pins missing or not engaged.

10. *Tires.*

a. Any tire on any steering axle of a power unit.

(1) With less than ¼³² inch tread when measured at any point on a major tread groove.

(2) Has body ply or belt material exposed through the tread or sidewall.

(3) Has any tread or sidewall separation.

(4) Has a cut where the ply or belt material is exposed.

(5) Labeled "Not for Highway Use" or displaying other marking which would exclude use on steering axle.

(6) A tube-type radial tire without radial tube stem markings. These markings include a red band around the tube stem, the word "radial" embossed in metal stems, or the word "radial" molded in rubber stems.

(7) Mixing bias and radial tires on the same axle.

(8) Tire flap protrudes through valve slot in rim and touches stem.

(9) Regrooved tire except motor vehicles used solely in urban or suburban service (see exception in 393.75(e)).

(10) Boot, blowout patch or other ply repair.

(11) Weight carried exceeds tire load limit. This includes overloaded tire resulting from low air pressure.

(12) Tire is flat or has noticeable (e.g., can be heard or felt) leak.

(13) Any bus equipped with recapped or retreaded tire(s).

(14) So mounted or inflated that it comes in contact with any part of the vehicle.

b. All tires other than those found on the steering axle of a power unit:

(1) Weight carried exceeds tire load limit. This includes overloaded tire resulting from low air pressure.

(2) Tire is flat or has noticeable (e.g., can be heard or felt) leak.

(3) Has body ply or belt material exposed through the tread or sidewall.

(4) Has any tread or sidewall separation.

(5) Has a cut where ply or belt material is exposed.

(6) So mounted or inflated that it comes in contact with any part of the vehicle. (This includes a tire that contacts its mate.)

(7) Is marked "Not for highway use" or otherwise marked and having like meaning.

(8) With less than 3/32 inch tread when measured at any point on a major tread groove.

11. *Wheels and Rims.*

a. *Lock or Side Ring.* Bent, broken, cracked, improperly seated, sprung or mismatched ring(s).

b. *Wheels and rims.* Cracked or broken or has elongated bolt holes.

c. *Fasteners (both spoke and disc wheels).* Any loose, missing, broken, cracked, stripped or otherwise ineffective fasteners.

d. *Welds.*

(1) Any cracks in welds attaching disc wheel disc to rim.

(2) Any crack in welds attaching tubeless demountable rim to adapter.

(3) Any welded repair on aluminum wheel(s) on a steering axle.

(4) Any welded repair other than disc to rim attachment on steel disc wheel(s) mounted on the steering axle.

12. *Windshield Glazing.* (Not including a 2 inch border at the top, a 1 inch border at each side and the area below the topmost portion of the steering wheel.) Any crack, discoloration or vision reducing matter except: (1) coloring or tinting applied at time of manufacture; (2) any crack not over 1/4 inch wide, if not intersected by any other crack; (3) any damaged area not more than 3/4 inch in diameter, if not closer than 3 inches to any other such damaged area; (4) labels, stickers, decalomania, etc. (see 393.60 for exceptions).

13. *Windshield Wipers.* Any power unit that has an inoperative wiper, or missing or damaged parts that render it ineffective.

COMPARISON OF APPENDIX G, AND THE NEW NORTH AMERICAN UNIFORM DRIVER-VEHICLE INSPECTION PROCEDURE (NORTH AMERICAN COMMERCIAL VEHICLE CRITICAL SAFETY INSPECTION ITEMS AND OUT-OF-SERVICE CRITERIA)

The vehicle portion of the FMCSA's North American Uniform Driver-Vehicle Inspection Procedure (NAUD-VIP) requirements, CVSA's North American Commercial Vehicle Critical Safety Inspection Items and Out-Of-Service Criteria and Appendix G of subchapter B are similar documents and follow the same inspection procedures. The same items are required to be inspected by each document. FMCSA's and CVSA's out-of-service criteria are intended to be used in random roadside inspections to identify critical vehicle inspection items and provide criteria for placing a vehicle(s) out-of-service. A vehicle(s) is placed out-of-service only when by reason of its mechanical condition or loading it is determined to be so imminently hazardous as to likely cause an accident or breakdown, or when such condition(s) would likely contribute to loss of control of the vehicle(s) by the driver. A certain amount of flexibility is given to the inspecting official whether to place the vehicle out-of-service at the inspection site or if it would be less hazardous to allow the vehicle to proceed to a repair facility for repair. The distance to the repair facility must not exceed 25 miles. The roadside type of inspection, however, does not necessarily mean that a vehicle has to be defect-free in order to continue in service.

In contrast, the Appendix G inspection procedure requires that all items required to be inspected are in proper adjustment, are not defective and function properly prior to the vehicle being placed in service.

DIFFERENCES BETWEEN THE OUT-OF-SERVICE CRITERIA & FMCSA'S ANNUAL INSPECTION

1. *Brake System.*

The Appendix G criteria rejects vehicles with any defective brakes, any air leaks, etc. The out-of-service criteria allows 20% defective brakes on non-steering axles and a certain latitude on air leaks before placing a vehicle out-of-service.

2. *Coupling Devices.*

Appendix G rejects vehicles with any fifth wheel mounting fastener missing or ineffective. The out-of-service criteria allows up to 20% missing or ineffective fasteners on frame mountings and pivot bracket mountings and 25% on slider latching fasteners. The out-of-service criteria also allows some latitude on cracked welds.

3. *Exhaust System.*

Appendix G follows Section 393.83 verbatim. The CVSA out-of-service criteria allows vehicles to exhaust forward of the dimensions given in Section 393.83 as long as

the exhaust does not leak or exhaust under the chassis.

4. *Fuel System.*

Same for Appendix G and the out-of-service criteria.

5. *Lighting Devices.*

Appendix G requires all lighting devices required by Section 393 to be operative at all times. The out-of-service criteria only requires one stop light and functioning turn signals on the rear most vehicle of a combination vehicle to be operative at all times. In addition one operative head lamp and tail lamp are required during the hours of darkness.

6. *Safe Loading.*

Same for both Appendix G and the out-of-service criteria.

7. *Steering Mechanism*

Steering lash requirements of Appendix G follows the new requirements of §393.209.

8. *Suspension*

Appendix G follows the new requirements of §393.207 which does not allow any broken leaves in a leaf spring assembly. The out-of-service criteria allows up to 25% broken or missing leaves before being placed out-of-service.

9. *Frame*

The out-of-service criteria allows a certain latitude in frame cracks before placing a vehicle out-of-service. Appendix G follows the new requirements of 393.201 which does not allow any frame cracks.

10. *Tires*

Appendix G follows the requirements of 393.75 which requires a tire tread depth of $\frac{1}{32}$ inch on power unit steering axles and $\frac{2}{32}$ inch on all other axles. The out-of-service criteria only requires $\frac{2}{32}$ inch tire tread depth on power unit steering axles and $\frac{1}{32}$ inch on all other axles.

11. *Wheel and Rims*

The out-of-service criteria allows a certain amount latitude for wheel and rim cracks and missing or defective fasteners. Appendix G meets the requirements of the new 393.205 which does not allow defective wheels and rims non-effective nuts and bolts.

12. *Windshield Glazing*

The out-of-service criteria places in a restricted service condition any vehicle that has a crack or discoloration in the windshield area lying within the sweep of the wiper on the drivers side and does not address the remaining area of the windshield. Appendix G addresses requirements for the whole windshield as specified in 393.60.

13. *Windshield Wipers*

Appendix G requires windshield wipers to be operative at all times. The out-of-service criteria only requires that the windshield wiper on the driver's side to be inspected during inclement weather.

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