



*SAF-C 1300 School Transportation Rules
Adopted 10/10/2013*



(c) Red and amber signal lamps shall be wired so that amber lamps are energized manually and red lamps are energized automatically, with the amber lamps automatically deenergized when the school bus entrance door is open. The amber warning light system shall be required on all school buses.

(d) The area around the lens of each alternately flashing signal lamp, extending outward approximately 3 inches, shall be painted black. If there is not a flat vertical portion of the body that immediately surrounds the entire lens of the lamp, a circular or square band of black, 3 inches wide, shall be painted on the body or roof area immediately below and by both sides of the lens, which shall be visible from a distance of 500 feet along the axis of the school bus. Visors or hoods with an appropriate black background to fit the shape of hoods shall also be used.

(e) All flashers, for alternately flashing red and amber signal lamps, shall be enclosed in the school bus body in an accessible location.

(f) Each school bus shall have a device that warns the driver when any of the 8-light warning system lamps are inoperative. The monitor shall be mounted in full view of the driver. If the full circuit passes through the monitor, each circuit shall be protected by a fuse or circuit breaker against any short circuit or intermittent shorts.

(g) Each school bus shall have a stop signal arm which shall:

- (1) Be installed on the left outside of the body of the school bus;
- (2) Comply with the requirements of Society of Engineers standard J1133, 06/11;
- (3) Be reflectorized;
- (4) Be octagonal in shape with white letters and border and a red background;
- (5) Have flashing lamps in the stop signal arm connected to the alternately red flashing signal lamp circuits; and
- (6) Be vacuum, electric or air operated.

(h) All loading lights shall be incandescent, LED or red alternating strobe lights.

Saf-C 1308.20 Mirrors.

(a) The interior mirror shall be either clear view laminated glass or clear view glass bonded to a backing which retains the glass in the event of breakage. The mirrors shall have rounded corners and protected edges. Each type A school bus shall have a minimum of a 6" X 16" mirror and each type B, C, and D school bus shall have a minimum of a 6"X 30" mirror.

(b) Each school bus shall be equipped with exterior mirrors which meet or exceed the requirements of FMVSS 111, as was in effect on the date of manufacture for the school bus. Mirrors shall be easily adjustable but shall be rigidly braced so as to reduce vibration.

(c) Heated mirrors shall be permitted.

Readopt Saf-C 1308.21, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1308.21 Passenger Load and Gross Vehicle Weight.

(a) The total of the sum of the chassis weight, the body weight, the driver's weight and the total seated pupil weight shall not exceed the gross vehicle weight of a school bus. For the purposes of calculation, the driver's weight shall be 150 pounds and the pupil weight shall be 120 pounds per pupil.

(b) The manufacturer's gross axle weight shall not be exceeded.

(c) The actual gross vehicle weight shall not exceed the chassis manufacturer's gross vehicle weight rating for the chassis and the school bus shall be properly registered for the manufacturer's gross vehicle weight.

Readopt with amendment Saf-C 1308.22, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1308.22 Reflective Material. The school bus body shall be marked along the perimeter with strips of reflective material which meet or exceed the requirements of FMVSS 131, Table 1 as was in effect on the date of manufacture for the school bus.

Readopt Saf-C 1308.23, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1308.23 Rubrails.

(a) For the purposes of this section, "rubrail" means a piece of steel plate that is ribbed and wrapped around the body of the school bus to provide strength and lessen any impact upon collision.

(b) There shall be one rubrail located approximately at seat level, which shall extend from the rear side of the entrance door completely around the body, except at the emergency door or rear compartment to a point of curvature near the outside cowl on the left side.

(c) There shall be one rubrail located approximately at the floor line, which shall cover the same longitudinal area as the upper rubrail, except at the wheel-housing, which shall extend at the radius of the right and left rear corners.

- (d) There shall be one rubrail located at the lower skirt line, which does not have to extend around the corners of the school bus.
- (e) Each rubrail shall be attached to each body post and all other upright structural members.
- (f) Each rubrail shall be 4 inches or more in width in its finished form, and shall be of 16 gauge steel or the equivalent and shall be constructed in a corrugated or ribbed fashion.
- (g) Each rubrail shall be applied outside the body or body posts. Pressed in or snap-on rubrails shall not be permitted.
- (h) Rubrails shall not be required to extend around the rear corners in the event the school bus is:
 - (1) A type A school bus using a chassis manufacturer's body; or
 - (2) A type B, C or D school bus using a rear luggage or rear engine compartment.

Readopt with amendment Saf-C 1308.24 and Saf-C 1308.25, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1308.24 Seats and Crash Barriers.

- (a) For the purposes of this section, "flip seat" means a cushion seat that is designed to automatically return to a vertical position when unoccupied, similar to a theater seat.
- (b) For the purposes of this section, "jump seat" means a seat that is designed to fold down to provide supplemental seating on a school bus.
- (c) All seats and crash barriers shall meet or exceed the requirements of FMVSS 222 as was in effect on the date of manufacture for the school bus.
- (d) No seat shall be less than 15 inches in depth.
- (e) All seats shall face forward and be of equal quality, design and safety as the original manufacturer's specifications, except as may be provided for wheelchairs.
- (f) The seat, seat back cushion and crash barrier shall be covered with a material equal in tensile strength, tear strength, seam strength, adhesion strength, resistance to abrasion, resistance to cold and flex separation as originally installed by the manufacturer.
- (g) All seats, including driver seat cushions, shall have seat coverings of fire resistant material.

(h) No school bus shall be equipped with jump seats, vertical seats or portable seats.

(i) The use of a flip seat at any side emergency door location, including aisle width to the side door, shall meet or exceed the requirements of FMVSS 222 as was in effect on the date of manufacture for the school bus.

(j) Each flip seat shall:

(1) Be free of sharp projections on the underside of the seat bottom;

(2) Be padded or contoured on the underside of the seat bottom, in order to reduce the possibility of injury or snagged clothing; and

(3) Be constructed in such a manner as to prevent any limbs of passengers from becoming entrapped between the seat back and the seat cushion when in an upright position.

(k) All seats and cushions shall be securely fastened with bolts, rivets or clamps to any portion of the school bus which support them.

(l) No seat on the right side of a school bus shall be placed in a location that obstructs the driver's view, except in a multipurpose passenger vehicle.

(m) The crash barrier on the right side of a school bus shall be placed in a location that does not obstruct the driver's view and shall not be further forward than the rear of the driver's seat when the seat is adjusted to its rearmost position, and shall not obstruct the 12 inch aisle.

(n) Each driver's seat shall:

(1) Be rigidly positioned;

(2) Have self contained vertical adjustment of a minimum of 3 inches;

(3) Have forward and backward adjustment of a minimum of 4 inches, without the use of separate tools or devices; and

(4) Have a crash barrier behind the driver's seat which does not interfere with forward and backward adjustment of the driver's seat.

Saf-C 1308.25 Seat Belt System - Drivers.

(a) A restraint system shall be provided for the driver which shall comply with the manufacturer's specifications.

(b) Each school bus manufactured before January 1, 2005, shall be equipped with a locking retractor type seatbelt for the driver. Each belt section shall be booted to keep the buckle and

button-type latch off the floor and within easy reach of the driver. The belt shall be anchored in such a manner or guided at the seat frame to prevent the driver from sliding sideways from under the belt.

(c) Each school bus manufactured on or after January 1, 2005 shall be equipped with a restraint system consisting of a lap and shoulder belt for the driver.

Readopt Saf-C 1308.26 through Saf-C 1308.28, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1308.26 Steering Wheel. The steering wheel shall comply with the manufacturer's specifications.

Saf-C 1308.27 Steps.

(a) The first step at the entrance door shall be no less than 12 inches and no more than 16 inches from the ground.

(b) The entrance door shall be equipped with either a two-stepwell or three-stepwell. Steps in each class shall be equal.

(c) Steps on each school bus, except a type A school bus, shall be enclosed to prevent the accumulation of ice and snow.

(d) Steps on each school bus, except a type A school bus, shall not protrude beyond the body side line.

(e) Steps on each school bus, except a type A school bus, shall be metal with proper tread covering, as set forth in Saf-C 1308.28.

(f) Handrails shall be designed so as to not snag clothing, book bags or other items and shall be no less than 20 inches in length.

Saf-C 1308.28 Step Treads.

(a) All steps, including the floor line platform, shall have rubber floor covering or a covering equivalent in wear resistance and abrasion resistance to top grade rubber.

(b) Each step shall be constructed with cold roll steel of a minimum 24 gauge and ribbed rubber shall be permanently bonded. The ribbed rubber shall have a grooved design that runs at a 90 degree angle to the long dimension of the step tread.

(c) The rubber portion of each step tread shall be flexible so that it can be bent around a 1/2 inch mandrel at temperature extremes without breaking or cracking.

Readopt with amendment Saf-C 1308.29, effective 01-04-05 (Document # 8248), to read as follows:

Saf-C 1308.29 Stirrup Steps.

(a) There shall be at least one folding stirrup step or recessed foothold along with suitably located handles on each side of the front of the body for easy accessibility for cleaning the windshield and lamps, except when the windshield and lamps are easily accessible for cleaning from the ground.

(b) A folding stirrup step or recessed foot hold shall not be required on a type D school bus.

(c) When not in use, a folding stirrup step shall be in the upright position.

Readopt Saf-C 1308.30 through Saf-C 1309.02, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1308.30 Sun Visor.

(a) An interior adjustable sun visor, no less than 6 inches in width and 30 inches in length, shall be installed on the driver's side above the windshield so that it can be turned up when not in use. It shall be firmly supported by 2 brackets.

(b) The sun visor on each type A school bus shall comply with the manufacturer's specifications.

(c) In the event a sun visor is of the translucent/shaded type, the visor shall not be obstructed by stickers, tape or any other item that would interfere with its visibility.

Saf-C 1308.31 Ventilation. Static-type, non-closable exhaust ventilation shall be installed in the low-pressure area of the roof of each school bus.

Saf-C 1308.32 Windshield and Windows.

(a) All glass in windshields, windows and doors shall be made of approved safety glass and mounted so that the permanent national safety institute mark is visible. The glass shall be of sufficient quality to prevent distortion of view in any direction. Each school bus with cracks or cloudiness more than 2 inches in length in the windshield or windows to the left and right of the driver shall be rejected.

(b) Each full side window shall provide an unobstructed emergency opening no less than 9 inches in height and 22 inches in width, obtained by lowering the sash. Push-out windows that hinge on top and split sash windows that slide down to open may be used.

(c) The window to the left of the driver shall comply with the manufacturer's specifications.

Saf-C 1308.33 Windshield Wipers and Washers.

(a) Each school bus shall be equipped with 2 variable speed electric windshield wipers that are in working order. One heavy duty 2 speed electric motor driven windshield wiper shall be provided for each half of the windshield.

(b) Each wiper arm and blade shall be a minimum of 14 inches in length, except on a type A school bus, which shall comply with the manufacturer's specifications.

(c) Each school bus shall be equipped with a windshield washer that effectively cleans the entire area covered by both windshield wipers.

(d) In the event one motor is used, the wipers shall work in tandem to give a full sweep of the windshield.

PART Saf-C 1309 ELECTRICAL SYSTEM

Saf-C 1309.01 Alternator. The alternator shall be capable of keeping the system properly supplied with the manufacturer's required amperage. Each replacement alternator shall, in quality and rated capacity, meet or exceed that of the original manufacturer's specifications.

Saf-C 1309.02 Battery.

(a) The battery shall have the cranking capacity and reserve strength required to crank the engine under all weather conditions.

(b) If located under the hood, the battery shall be securely mounted. If located away from the engine, the battery shall be in a closed, ventilated compartment.

Readopt with amendment Saf-C 1309.03, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1309.03 Fuses. All electrical circuits shall be equipped with overload protection devices to prevent overloading and burn out of the circuits. Spare fuses or circuit breakers shall be carried on all school bus types.

Readopt Saf-C 1309.04, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1309.04 Wiring.

- (a) All wiring shall comply with the manufacturer's and federal specifications, as of the date of manufacture, and shall be arranged in circuits to properly handle the electrical demand.
- (b) An identifying diagram for all electrical circuits shall be provided, which shall include color and codes.
- (c) All wires passing through metal openings shall be protected by an insulating grommet.
- (d) Wires not enclosed within the school bus body shall be fastened securely at intervals of not more than 18 inches.
- (e) No exposed wiring shall be allowed in the interior passenger compartment.
- (f) All connections shall be soldered or joined by equally effective connectors.

Readopt with amendment Saf-C 1310.01 through Saf-C 1310.06, effective 01-04-05 (Document #8248), cited and to read as follows:

PART Saf-C 1310 EMERGENCY EQUIPMENT

Saf-C 1310.01 Chock Blocks. Each type A, B, C or D school bus shall be equipped with one pair of 4" X 4" x 8" or equivalent safety chock blocks. The chock blocks shall be located in an easily accessible location of the school bus. In the event a school bus is parked on a grade sufficient to cause the bus to move on its own momentum, or in the event the driver leaves the bus, the safety chock blocks shall be securely placed around the rear wheels of the school bus to prevent movement.

Saf-C 1310.02 Fire Extinguishers.

- (a) Each type A, B, C or D school bus shall be equipped with a minimum of one pressurized, dry chemical type fire extinguisher, approved by Underwriter's Laboratories with a 5 pound capacity that has a rating of not less than 2A-10B:C.
- (b) Each fire extinguisher on a type A, B, C or D school bus shall be mounted in the manufacturer's bracket located in the driver's compartment in full view of and readily accessible to the driver and occupants.
- (c) Each fire extinguisher shall have a functional pressure gauge mounted on the extinguisher, so that it shall be easily read without removing the extinguisher from its mounted position.
- (d) The operating mechanism shall be sealed in such a manner so as not to interfere with the use of the fire extinguisher.

Saf-C 1310.03 First Aid Kit.

(a) Each type A, B, C or D school bus shall have a removable, moisture and dustproof first aid kit mounted in an accessible location in the driver's compartment.

(b) Each first aid kit shall, at a minimum, include the following:

- (1) Two - 1" X 2 1/2 yards adhesive tape rolls;
- (2) Twenty-four - 3" X 3" sterile gauze pads;
- (3) One hundred - 3/4" X 3" adhesive bandages;
- (4) Eight - 2" bandage compress;
- (5) Ten - 3" bandage compress;
- (6) Two - 2" X 6" sterile gauze roller bandages;
- (7) Two - nonsterile triangular bandages approximately 40" X 36" X 54";
- (8) Two - safety pins;
- (9) Three - 36" X 36" sterile gauze pads;
- (10) Three - sterile eye pads;
- (11) One - rounded end scissors;
- (12) One - pair of medical examination gloves; and
- (13) One - mouth-to-mouth airway.

Saf-C 1310.04 Reflectors. Each type A, B, C or D school bus shall be equipped with a minimum of 3 reflectorized triangle road warning devices, mounted in an accessible location in the driver's compartment. The reflectors shall be displayed in the event of a mechanical failure or an accident.

Saf-C 1310.05 Bodily Fluid Spill Kit.

(a) Each type A, B, C or D school bus shall be equipped with a detachable bodily fluid spill kit, which shall not have sharp protrusions and which is securely mounted in an accessible location in the driver's compartment.

(b) Each bodily fluid spill kit shall, at a minimum, include the following:

- (1) Gloves made of latex, rubber, plastic or its equivalent;
- (2) A disinfectant, such as bleach;
- (3) Leakproof bags; and
- (4) Paper towels.

Saf-C 1310.06 Seat Belt Cutter. Each school bus shall have a seat belt cutter which shall be securely mounted in an easily accessible location in the driver's compartment.

Readopt Saf-C 1311.01 through Saf-C 1311.04, effective 01-04-05 (Document #8248), cited and to read as follows:

PART Saf-C 1311 MECHANICAL COMPONENTS

Saf-C 1311.01 Axles. The front and rear axles of each school bus, including suspension assemblies, shall have a gross axle weight rating equal to the gross axle weight rating imposed by the chassis manufacturer.

Saf-C 1311.02 Brakes.

(a) Each school bus chassis shall be equipped with a braking system, including service brakes and a parking brake.

(b) Each school bus using air or vacuum in the operation of the brake system shall be equipped with warning signals, readily audible or visible to the driver, that shall provide a continuous warning when the air pressure available in the system for braking is 60 psi or less, or the vacuum in the system available for braking is 8 inches of mercury or less. An illuminated gauge shall indicate to the driver the air pressure in pounds per square inch or the inches of mercury vacuum available for the operation of the brakes.

(c) Vacuum-assist brake systems shall have a reservoir used exclusively for brakes that shall be adequate to ensure the loss in vacuum at full stroke application of not more than 30 percent with the engine not running.

(a) Each multipurpose passenger vehicle shall have a first aid kit securely mounted in an accessible location. The kit shall be fully equipped, in good condition and of sufficient size to hold the required contents.

(b) Each first aid kit shall, at a minimum, include the following:

- (1) Two - 1" X 2 1/2 yards adhesive tape rolls;
- (2) Twenty-four - 3" X 3" sterile gauze pads;
- (3) One hundred - 3/4" X 3" adhesive bandages;
- (4) Eight - 2" bandage compress;
- (5) Ten - 3" bandage compress;
- (6) Two - 2" X 6" sterile gauze roller bandages;
- (7) Two - nonsterile triangular bandages approximately 40" X 36" X 54";
- (8) Two - safety pins;
- (9) Three - 36" X 36" sterile gauze pads;
- (10) Three - sterile eye pads;
- (11) One - rounded end scissors;
- (12) One - pair of medical examination gloves; and
- (13) One - mouth-to-mouth airway.

Saf-C 1312.09 Bodily Fluid Spill Kit.

(a) Each multipurpose passenger vehicle shall be equipped with a detachable bodily fluid spill kit, which shall not have sharp protrusions and which shall be securely mounted in an accessible location.

(b) Each bodily fluid spill shall, at a minimum, include the following:

- (1) Gloves made of latex, rubber, plastic or its equivalent;
- (2) A disinfectant, such as bleach;
- (3) Leakproof bags; and

(4) Paper towels.

Saf-C 1312.10 Seat Belt Cutter. Each multipurpose passenger vehicle shall have a seat belt cutter which shall be securely mounted in an easily accessible location in the driver's compartment.

Readopt Saf-C 1312.11 and Saf-C 1312.12, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1312.11 Emergency Reflectors. Each multipurpose passenger vehicle shall be equipped with a minimum of 3 reflectorized triangle road warning devices that are accessible to the driver. The reflectors shall be displayed in the event of a mechanical failure or an accident.

Saf-C 1312.12 Interior Covering. Ceilings and interior walls shall be free from all projections that might cause injury to pupils, and shall require the use of an inner lining of suitable flame retardant material. Exposed edges shall be hemmed, beaded or flanged.

Readopt with amendment Saf-C 1312.13, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1312.13 Signs and Lights.

(a) Each multipurpose passenger vehicle shall be equipped with a double-faced sign visible from the front and rear of the vehicle. The words "SCHOOL BUS" shall be displayed on both the front and rear surfaces of the sign in black letters, 8 inches in height using one inch brush strokes. The letters shall comply with "Series B" of the standard alphabet for highway signs on the national school bus yellow background. The sign shall be equipped with a 4-light warning system, consisting of alternating, flashing, double-faced lamps, mounted on the left and right of the words "SCHOOL BUS".

(b) The lamps shall:

- (1) Be a minimum of 7 inches in diameter;
- (2) Flash at a rate of no less than 60 nor more than 120 cycles per minute;
- (3) Have red lenses; and
- (4) Be equipped with a switch and pilot light, both of which are visible inside the vehicle and accessible to the driver.

(c) Any vehicle being operated on a public highway while transporting primarily passengers other than pupils shall have the words "SCHOOL BUS" covered, removed or made non-visible from the highway by folding the sign into a horizontal position.

(d) Sedans and taxis under contract with a school district shall display a school bus sign and shall comply with the applicable requirements of these rules.

(e) A multipurpose passenger vehicle shall display a sign on the rear of the vehicle, clearly visible and legible to motorists from a distance of at least 50 feet, indicating that the vehicle will stop at all railroad crossings.

Readopt Saf-C 1312.14 through Saf-C 1313.03, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1312.14 Seating.

(a) All seats shall be as manufactured and shall not be modified or altered, except as necessary to meet the provisions of these rules.

(b) All seats shall be covered with a padding material and upholstered. The upholstery and seat frame shall be in good repair.

(c) All seats shall be securely fastened with bolts or rivets to any portion of the vehicle which support them.

Saf-C 1312.15 Seat Belts. The driver, and other passengers required by law, shall wear a seat belt or be in an approved restraint system when the vehicle is in motion.

Saf-C 1312.16 Steps. Each multipurpose passenger vehicle that requires steps shall comply with the applicable provisions of Saf-C 1308.28.

Saf-C 1312.17 Tires. Each multipurpose passenger vehicle shall be equipped with snow tires between November 15 and April 15, unless equipped with all season radial tires. Recapped or regrooved tires shall not be used on any multipurpose passenger vehicle.

Saf-C 1312.18 Weight. Each multipurpose passenger vehicle shall be registered for the weight of the vehicle plus the manufacturer's rated load capacity.

PART Saf-C 1313 OPTIONAL EQUIPMENT

Saf-C 1313.01 Adjustable Roof Ventilator. An adjustable roof ventilator may be installed on a school bus if it is hinged and has handles to provide an emergency exit. The release handles shall be accessible from both the inside and outside of the school bus.

Saf-C 1313.02 Air Conditioning. Air conditioning may be installed on a school bus which shall comply with the manufacturer's specifications.

Saf-C 1313.03 Air Horn. An air horn may be used on each type B, C, and D school bus.

Readopt with amendment Saf-C 1313.04 and Saf-C 1313.05, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1313.04 Anti-Vandalism Device.

(a) An anti-vandalism security device may be installed on the emergency and entrance doors of a school bus.

(b) On each school bus, in the event the anti-vandalism security device is placed on the emergency door, the device shall prevent the bus ignition system from activating, if the emergency door is locked or inoperable from either the inside or the outside of the school bus. The device shall audibly alert the school bus driver and prevent the engine from shutting off if the door lock is closed after the engine has started. In the event the anti-vandalism security device is placed on the entrance door, the device shall be designed and manufactured so that the door can be locked from only the outside. The device may be manually or electrically operated.

Saf-C 1313.05 Auxiliary Heaters.

(a) Auxiliary fuel-fired heaters may be used on a school bus. The heaters shall use the same fuel and tank as the engine of the school bus. There shall be no adjustments necessary in the event the fuel is changed from "Diesel-1" to "Diesel-2" or a blend. The heaters shall be equipped with low voltage protection.

(b) The heaters shall be installed according to the manufacturer's specifications and shall not emit exhaust in a manner that might endanger any passenger. The exhaust pipe shall be protected by an approved wire mesh screen or heat shield to prevent burns.

(c) The heaters shall be mounted under the chassis to the frame rail, between the drive axle and steering axle on the left side of the school bus. No portion of the heater or exhaust shall extend outside the skirt, into the interior or any other location except under the school bus.

(d) The heaters and fuel lines shall be provided with an approved crash protection device to minimize fuel leakage.

(e) The heaters shall be either direct hot air systems or connected to the engine's coolant system. When connected to the engine, the heaters may be used to preheat the engine for starting, or to preheat and add supplementary heat to the heating system.

(f) All auxiliary heaters shall meet or exceed the requirements of FMVSS 301 as was in effect on the date of manufacture for the school bus.

Readopt Saf-C 1313.06 through Saf-C 1313.12, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1313.06 Communication System. A one-way and/or two-way radio communication system or mobile or cellular phone system may be installed in each school bus, with the controls accessible to the school bus driver. Each system shall be designed and installed in such a manner as to prevent injuries to the driver and any passenger in the event of a sudden stop. Citizen band radio systems shall not be permitted.

Saf-C 1313.07 Engine Compartment Fire Extinguisher.

(a) An engine compartment fire extinguisher may be used, that meets Underwriter's Laboratories approval.

(b) The cylinder of each engine compartment fire extinguisher shall be located in the driver's compartment. Lines from the cylinder shall pass through the fire wall of each school bus to each side of the engine. A discharge head shall be placed on the end of each line.

(c) A pull cable that connects the cylinder of the engine compartment fire extinguisher to the discharge valve shall be controlled from the driver control panel. The cable shall be identified on the panel with the words "pull for engine fire only".

(d) A gauge attached to the cylinder of the engine compartment fire extinguisher shall indicate pounds of pressure per square inch.

Saf-C 1313.08 Exhaust System. A flexible self sealing or a one piece bellows-type pipe, installed between the manifold and muffler, may be used in the exhaust system for expansion and contraction purposes.

Saf-C 1313.09 Fog Lamps.

(a) Two fog lamps may be permanently mounted on the front bumper of each school bus.

(b) In the event fog lamps are mounted on the front bumper of a school bus, they shall:

(1) Be 12 to 30 inches above the ground, measured from the center of each lamp;

- (2) Be placed not less than 30 inches from the center of the front bumper;
- (3) Be both vertically and horizontally adjustable;
- (4) Illuminate the area in front of the school bus;
- (5) Meet the manufacturer's specifications;
- (6) Be controlled by an independent switch and powered by an independent fuse or breaker; and
- (7) Comply with all applicable New Hampshire inspection requirements.

Saf-C 1313.10 Governor. A governor may be used on a school bus which shall comply with the manufacturer's specifications.

Saf-C 1313.11 Front Bumper Gate. A retractable front bumper gate may be used on a school bus. In the event the gate is equipped with a warning light, the lenses shall be red.

Saf-C 1313.12 Inspection Plates. One or 2 inspection plates may be used on a school bus to make the fuel system connections accessible. The plates shall be mounted, flush with the floor and covered with floor covering.

Readopt with amendment Saf-C 1313.13, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1313.13 Interior Overhead Storage Compartments.

- (a) Interior overhead storage compartments may be provided on a school bus which shall:
 - (1) Meet or exceed the head protection requirements of FMVSS 222 as was in effect on the date of manufacture for the school bus, if applicable;
 - (2) Have a maximum rated capacity displayed for each compartment;
 - (3) Be completely enclosed and equipped with latching doors sufficient to withstand a force of 5 times the maximum rated capacity of the compartment;
 - (4) Have all corners and edges rounded with a minimum radius of one inch or padding equivalent to door header padding;
 - (5) Be sufficiently attached to the school bus to withstand a force equal to 20 times the maximum rated capacity of the compartment; and

(6) Shall have no protrusions more than 1/4 of an inch.

Readopt Saf-C 1313.14 and Saf-C 1315.15, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1313.14 Luggage Compartments. Luggage compartments may be installed on a school bus provided the compartments are below the floor line.

Saf-C 1313.15 Mirrors.

- (a) Exterior heated mirrors may be placed on a school bus.
- (b) Remote-controlled exterior mirrors may be placed on a school bus.

Readopt with amendment Saf-C 1313.16 and Saf-C 1313.17, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1313.16 Electronic Audio Devices and Audible Navigation Systems.

- (a) Conventional radios, tape decks and CD players may be installed on a school bus with written permission from the school bus owner.
- (b) Each system shall be designed and installed in such a manner as to prevent injuries to the driver and any passenger in the event of a sudden stop.
- (c) Audible navigation systems may be provided on a school bus which shall:
 - (1) Be attached to the windshield or dashboard in a manner that does not obstruct the driver's field of vision; and
 - (2) Have a locking mechanism or equivalent that prevents the device from being programmed by the driver while the bus is in motion.

Saf-C 1313.17 Reflective Markings.

- (a) This section shall not apply to any school bus that has previously been granted a waiver for the use of reflective markings by the commissioner, as a result of a pilot program.
- (b) Reflective markings may be used on a school bus as long as the markings meet the requirements set forth in the National School Transportation Specifications & Procedures, 2010 edition.

Readopt Saf-C 1313.18 through Saf-C 1313.23, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1313.18 Sanders.

(a) For the purposes of this section, sander means a device connected to the front of the drive wheels of a school bus which drops sand in the roadway.

(b) Sanders may be used on a school bus.

Saf-C 1313.19 Internal and External Speakers.

(a) Internal and external speakers used for communication may be installed on a school bus with written permission from the school bus owner.

(b) Internal speakers shall be designed and installed in such a manner as to prevent injury and have no sharp corners or protrusions.

(c) External speakers shall not extend beyond the external mirrors of the school bus body and not obstruct visibility of the flashing warning lights, the clearance lights and any identification lights or lettering.

Saf-C 1313.20 Tachometer/Tachograph. An electrical or mechanical tachometer/tachograph may be used on a school bus.

Saf-C 1313.21 Tire Chains. Tire chains may be used on the tires of a school bus.

Saf-C 1313.22 Tools. In the event tools for minimum emergency repairs are carried on a school bus, the tools shall be placed in a container suitable for securely storing all the tools. The container shall be securely fastened to the school bus.

Saf-C 1313.23 Tow Eyes or Hooks. In the event tow eyes or hooks are furnished, they shall be attached so as not to project beyond the front and rear bumpers of the school bus.

Readopt with amendment Saf-C 1313.24, effective 01-04-05 (Document 8248), to read as follows:

Saf-C 1313.24 Windows.

(a) Optional tinted or frost-free glazing may be installed on all doors, windows and windowshields of a type A, B, C or D school bus in accordance with federal, state and local laws.

(b) Wide angle window lenses may be installed on the upper portion of the emergency window of a school bus.

Readopt Saf-C 1313.25, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1313.25 Windshield Wipers. Heated windshield wipers may be used on a school bus.

Adopt Saf-C 1313.26, to read as follows:

Saf-C 1313.26 Insulating Wood Floors. A school bus chassis may be equipped with plywood floors. If so equipped, the plywood floor insulation shall be at least ½ inch thick and meet the requirements of Saf-C 1308.17(c).

Readopt with amendment Saf-C 1314.01, effective 01-04-05 (Document #8248), cited and to read as follows:

PART Saf-C 1314 TRANSPORTATION OF CHILDREN WITH SPECIAL NEEDS

Saf-C 1314.01 Applicability. For the purposes of this part, a vehicle shall be deemed a special education vehicle if it is used to transport pupils whose individual education plan includes the need for special transportation. A mixed use school bus, as defined in Saf-C 5902.07, shall not be used to transport pupils with special needs to and from school or school related activities.

Readopt with amendment Saf-C 1314.02, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1314.02 General Requirements.

(a) Each school bus that is used to transport pupils who are confined to a wheelchair or other restraining devices that prohibits use of the regular entrance door, shall be equipped with a power lift, ramp or other device as needed for unusual circumstances.

(b) On each school bus, the lift shall be located on the right side of the school bus body, in no way attached to the exterior sides of the school bus but confined within the perimeter of the school bus body when not extended.

Readopt Saf-C 1314.03, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1314.03 Communication. Each special needs vehicle shall be equipped with a two-way radio communication system or cellular or mobile telephone system. Citizen band radio systems shall not be permitted.

Readopt with amendment Saf-C 1314.04 and Saf-C 1314.05, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1314.04 Fastening Devices.

(a) Wheelchair fastening devices shall be provided and attached to the floor, walls or both to enable wheelchairs to be secured in a special needs vehicle. All devices shall be of a type that requires human intervention to unlatch or disengage.

(b) Each school bus manufactured on or after January 17, 1994 that is equipped with wheelchair securement or occupant restraint devices shall meet or exceed the requirements of FMVSS 222 as was in effect on the date of manufacture for the school bus.

(c) As a result of the many different configurations of wheelchairs, fastening devices shall be used to restrain the wheelchair.

(d) Each school bus shall be equipped with forward facing seats with federally approved restraint systems.

Saf-C 1314.05 Heaters. Each school bus that is equipped with any wheelchair device shall have a rear heater.

Readopt Saf-C 1314.06 and Saf-C 1304.07, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1314.06 Power Lift.

(a) The lifting mechanism shall be able to lift a minimum payload of 800 pounds. A clear opening and platform shall be provided to accommodate a wheelchair 30 inches in width.

(b) When the platform is in the full upright position, it shall be mechanically locked in position by means other than a support or lug in the door.

(c) Controls shall be provided that enable the operator to activate the lifting mechanism from inside or outside of the school bus. The platform shall be installed in such a manner as to prevent it from falling while in operation in the event of a power failure.

(d) Each power lift shall be equipped so that it may be manually raised in the event of a power failure of the lifting mechanism.

(e) The platform shall rest securely on the ground.

(f) All edges of the platform shall be designed to restrain the wheelchair and the operator's foot from being entangled during the raising and lowering process.

(g) The platform shall be fitted on both sides and rear with full width shields that extend above the floor line of the platform.

(h) A restraining device shall be affixed to the outer edge or curb end of the platform to prevent the wheelchair from rolling off the platform when the lift is in any position other than fully extended to ground level.

(i) A self-adjusting, skid resistant plate shall be installed on the outer edge of the platform to minimize the incline from the platform to ground level. This plate, if so designed, shall also suffice as the restraining device. The platform shall be skid resistant.

(j) A fuse or circuit breaker shall be installed between the power source and lift motor in the event electrical power is used.

(k) The lifting mechanism shall be equipped with adjustable limit switches or by-pass valves to prevent excessive pressure from building in the hydraulic system when the platform reaches the full up or down position.

Saf-C 1314.07 Ramps.

(a) In the event a power lift system is not adequate to load or unload pupils with special needs, a ramp device may be installed.

(b) Each ramp shall:

(1) Be of sufficient strength and rigidity to support a special device, occupant and any attendant;

(2) Be equipped with a protective flange on each side to keep any special device on the ramp;

(3) Have a floor made of non-skid construction; and

(4) Be of such weight and design, and equipped with handle(s), to permit one person to put the ramp in place and return it to its storage place.

Readopt with amendment Saf-C 1314.08, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1314.08 Restraining Devices.

(a) Seat frames may be equipped with attachments or devices to which belts, restraining harnesses or other devices may be attached.

(b) In the event attachment framework or anchorage devices are installed, they shall meet or exceed the requirements of FMVSS 210 as was in effect on the date of manufacture for the school bus.

(c) In the event seat belt assemblies are installed, they shall meet or exceed the requirements of FMVSS 209 as was in effect on the date of manufacture for the school bus.

(d) Child restraint systems, if used to facilitate the transportation of pupils who in other modes of transportation would be required to use a child, infant or booster seat, shall meet or exceed the requirements of FMVSS 213 and 222 as was in effect on the date of manufacture for the school bus.

(e) Safety vests, if used to facilitate the transportation of pupils, shall:

(1) Not be used in lieu of a properly designed seat restraint system;

(2) Be equipped with crotch straps, so as to prevent the pupil from sliding into the vest and suffering impaired breathing;

(3) Have a 4-point attachment to the seat back belt;

(4) Be firmly anchored to the seat back belt;

(5) Contain the following label: **WARNING THIS RESTRAINT MUST ONLY BE USED ON SCHOOL BUS SEATS;** and

(6) Meet or exceed the requirements of FMVSS 213 as was in effect on the date of manufacture for the school bus.

(f) A pupil wearing a safety vest pursuant to (e) above, shall be seated in the rearmost seat.

(g) If unable to be seated in the rearmost seat pursuant to (f) above, the seat behind the pupil wearing the safety vest shall be unoccupied or occupied by a restrained pupil.

Readopt Saf-C 1314.09, effective 01-04-05 (Document #8248), and change the section heading, to read as follows:

Saf-C 1314.09 Additional Lights. Sufficient lights shall be placed inside a school bus to illuminate the lift area.

Readopt with amendment Saf-C 1314.10 and Saf-C 1314.11, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1314.10 Service Entrance.

- (a) A school bus body may have a special service entrance constructed to accommodate a wheelchair lift for the loading and unloading of pupils.
- (b) The opening shall be at a convenient point on the right of the school bus and far enough to the rear to prevent the door(s), when open, from obstructing the right front regular entrance door, excluding a regular front entrance door lift.
- (c) The opening may extend below the floor through the bottom of the body skirt. In the event such an opening is used, reinforcements shall be installed at the front and rear of the floor opening to provide support and strength equivalent to other floor openings.
- (d) The opening, with doors open, shall be of sufficient width to allow the passage of a wheelchair. The minimum clear opening through the door and lift mechanism shall be 30 inches in width.
- (e) A drip molding shall be installed above the opening to effectively divert water from the entrance.
- (f) The entrance shall be of sufficient width and depth to accommodate various mechanical lifts and related accessories as well as the lifting platform.
- (g) On each school bus, door posts and headers from the entrance shall be sufficiently reinforced to provide support and strength equivalent to the areas of the side of the bus not used for entrance doors.

Saf-C 1314.11 Entrance Doors.

- (a) A single door may be used if the width of the door opening does not exceed 40 inches.
- (b) Two doors shall be used if any single door opening exceeds 40 inches.
- (c) All doors shall open outward.
- (d) All doors shall have fastening devices to hold doors in the open position.
- (e) All doors shall be weather sealed. Each school bus with double doors shall be constructed so that a flange on the forward door overlaps the edge of the rear door when closed. In the event optional power doors are installed, the design shall permit release of the doors for opening and closing by the attendant from the platform inside the school bus.

(f) When manually operated dual doors are provided, the rear door shall have at least a one-point fastening device to the door frame.

(g) The forward mounted door shall have at least 3-point fastening devices. One shall be to the header, one to the floor line of the body and the other into the rear door.

(h) Locking devices shall be functional so as to secure the doors when the doors are in the closed position.

(i) The door and hinge mechanism shall be of strength equivalent to that of a standard entrance door.

(j) Door materials, panels and structural strength shall be equivalent to those of a standard entrance and emergency doors. Color, rub rail extensions, lettering and other exterior features shall match adjacent sections of the body.

(k) Each door shall have windows surrounded by rubber and compatible within one inch of the lower line of the adjacent sash.

(l) Each school bus shall have a switch installed so that the lifting mechanism will not operate when the lift platform is closed.

Readopt Saf-C 1315.01, effective 01-04-05 (Document #8248), cited and to read as follows:

PART Saf-C 1315 SCHOOL BUS ANNUAL SCHEDULED INSPECTION CRITERIA

Saf-C 1315.01 Purpose. The purpose of this part is to set forth the criteria for the annual inspection of a motor vehicle used for the purpose of transporting pupils and in determining its fitness to be designated a school bus, pursuant to RSA 266:7.

Readopt with amendment Saf-C 1315.02, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1315.02 Criteria For Rejecting A Motor Vehicle.

(a) Any motor vehicle shall be rejected for use as a school bus, pursuant to Saf-C 1307.04, if the motor vehicle is found to be deficient in any of the inspection criteria, pursuant to (c) below or Saf-C 1315.03.

(b) A motor vehicle shall not receive an official school bus sticker nor shall the motor vehicle be used to transport pupils to any school or school related activity until:

(1) The motor vehicle has had the items repaired; and

(2) An official school bus sticker has been affixed to the motor vehicle by the department.

(c) The following items shall be inspected:

(1) Brakes, which shall not have any of the following deficiencies:

- a. Leakage of brake fluid or air in any portion of any type of brake system;
- b. Chafed, crimped, ruptured, bulging or improperly routed brake lines or hoses;
- c. Brake fluid level is less than 1/2 full;
- d. Brake pedal travel on hydraulic system is less than 1/5 of total pedal travel;
- e. Defective, missing or no low air pressure warning device on air brake system;
- f. Electric motor back up system is not functioning on hydraulic system;
- g. Brake failure warning system is inoperative;
- h. Brake drum or disc rotor shows evidence of damage other than wear;
- i. Brake lining or pad is loose, broken, saturated with oil, grease or brake fluid or worn to a degree that is contrary to state vehicle inspection requirements;
- j. Missing, broken or loose mechanical brake system components which are likely to affect the safety of the motor vehicle;
- k. 25% of the total brakes are out of adjustment;
- l. Air compressor drive belt or any other engine belt is missing or worn to a degree that breakdown is imminent. Pulleys are damaged and likely to damage belts;
- m. Indication of system nonfunctioning by the brake warning system; or
- n. Leakage of air is discovered and the reservoir pressure is not maintained when the:
 1. Governor is cut-in;
 2. Reservoir pressure is between 80 and 90 PSI;
 3. Engine is at idle; and

4. Service brakes are fully applied;

(2) Parking brake, which shall not have any of the following deficiencies:

- a. If a manual transmission, inability to hold the motor vehicle from rolling in forward position in second gear or higher, while the engine is running when tested;
- b. If an automatic transmission, inability to hold the motor vehicle from rolling in forward position in any forward gear, while the engine is running when tested;
- c. Broken cables or parts are rusted so as to freeze movement;
- d. Broken, loose or missing mechanical parts which are likely to affect the safety of the motor vehicle;
- e. Improper adjustment or leaking air diaphragms on air brake system; or
- f. Drive line brake band is broken, missing, loose or saturated with oil or grease;

(3) Bumpers, which shall not have any of the following deficiencies:

- a. Missing or made of wood; or
- b. Bent or damaged to a degree that is likely to affect the safety of the motor vehicle;

(4) Color, on all school bus types, if not national school bus yellow or an approved combination;

(5) Defroster system, which shall not be defective;

(6) Exhaust system, which shall not have any of the following deficiencies:

- a. Leaks within the system, except factory installed fluid drainage devices;
- b. System is not securely suspended or fastened;
- c. Muffler type is not equivalent to the factory installed muffler or is missing;
- d. A carbon monoxide reading of 20 PPM or greater is inside the school bus;
or

e. Tailpipe is not flush with or extends beyond the body or bumper more than one inch;

(7) Emergency doors, which shall not have any of the following deficiencies:

- a. Defective door buzzer;
- b. Defective door latch;
- c. Door will not open;
- d. Missing or improper markings;
- e. Missing or improper head bumper pad;
- f. Missing red door light;
- g. Defective red door light, if equipped; or
- h. An anti-vandalism device is not in compliance with the applicable requirements of Saf-C 1313.04;

(8) Emergency equipment, which shall not have any of the following deficiencies:

- a. Fire extinguisher is missing, empty, an improper size or classification or not secured;
- b. Triangle emergency reflectors are missing, defective or in violation of these rules;
- c. Wheel chocks are missing or an improper size; or
- d. First aid kit is missing or is not in compliance with Saf-C 1310.03;

(9) Emergency windows, required on all school bus types, which shall not have any of the following deficiencies:

- a. Insufficient number of windows;
- b. Defective or missing buzzer;
- c. Defective or jammed latch;
- d. Window will not open; or
- e. Not marked as an emergency exit;

- (10) Frame/body, which shall not have any of the following deficiencies:
- a. Cracked, loose, sagging or broken frame rail or crossmember; or
 - b. Any other defect or damage which is likely to affect the safety of the motor vehicle;
- (11) Lights, which shall not have any of the following deficiencies:
- a. Defective loading light or loading light system, including stop arm;
 - b. Any light of a light system is defective including the:
 1. Headlight system;
 2. Directional light system;
 3. Tail lights;
 4. Brake lights;
 5. Interior lights, unless there is only one defective bulb;
 6. Marker lights, unless there is only one defective bulb; or
 7. Back up light system;
 - c. Lenses are cracked, broken, missing or an improper color;
- (12) Markings, which shall not have any of the following deficiencies:
- a. Primary school bus identification marking is missing or improper;
 - b. Carrier identification, such as the name of the carrier or school district, is missing or improper; or
 - c. Bus capacity is missing or improper, except for multipurpose passenger vehicles;
- (13) Mirrors, which shall not have any of the following deficiencies:
- a. Missing, cracked or fogged;
 - b. No cross over mirror(s) as required;

- (14) Roof hatches shall be functional and operating according to the manufacturer's specifications for emergency egress;
- (15) Tires, which shall not have any of the following deficiencies:
- a. Less than 4/32" tread depth on front tires and less than 2/32" tread depth on rear tires on all school bus types or multipurpose passenger vehicles with less than 2/32" tread depth on any tire;
 - b. Retreaded or regrooved tires on all multipurpose passenger vehicles and front axle of all school bus types;
 - c. Any bulge, tear or cut to the depth of the fabric or belts on the tire sidewall or tread;
 - d. All school bus types are not equipped with snow tires on all drive wheels from November 15th through April 15th;
 - e. Multipurpose passenger vehicles are not equipped with snow tires or all seasonal radials from November 15th through April 15th;
 - f. Flat tire; or
 - g. Tire size or type mismatched on any axle;
- (16) Shocks that are broken, unattached, leaking or nonfunctional;
- (17) Springs/suspension, which shall not have any of the following deficiencies:
- a. Broken main leaf, torsion bar or coil spring;
 - b. Cracked, broken or missing spring leafs of any leaf spring;
 - c. Broken center bolts, loose or missing u-bolts;
 - d. Cracked or broken shackles or mounts;
 - e. Ball joints are not operating according to the manufacturer's specifications;
 - f. A-frame bushing is not operating according to the manufacturer's specifications; or
 - g. Any defect or damage which is likely to affect the safety of the motor vehicle;
- (18) Steering assembly, which shall not have any of the following deficiencies:

- a. Drag link or any other ball and socket joint has non-rotational movement;
- b. King pins play in excess of 1/4" for 16" wheels, 3/8" for 17"-18" wheels, 1/2" for over 18" wheels;
- c. Steering box is loose, mountings are cracked or broken steering arm is loose;
- d. Tie rod is bent or broken;
- e. Idler arm is not operating according to the manufacturer's specifications; or
- f. King pin thrust bearing shows visible up/down movement;

(19) Wheel bearings, which shall not have any of the following deficiencies:

- a. Play in excess of the manufacturer's specifications for multipurpose passenger vehicles;
- b. Play in excess of 1/8" for type A school buses; or
- c. Play in excess of 1/4" for type B, C, and D school buses; or
- d. Leaking seals on the wheel bearings;

(20) Wheels/rims, which shall not have any of the following deficiencies:

- a. Cracked wheel/rim;
- b. Elongated lug-holes;
- c. Wheel lugs are missing; or
- d. Loose wheel/rim;

(21) Windows, which shall not have any side or rear passenger window cracked or chipped directly through or cracked on one side more than 2 inches;

(22) Windshield, which shall not have any of the following deficiencies:

- a. Clouded more than 2 square inches from the outside edge or any clouding which restricts the view of the driver;
- b. Cracked or chipped directly through; or

c. Covered with aftermarket tint except for 6 inch wide strip across the top;
and

(23) Nonfunctional windshield wipers/washer.

Readopt Saf-C 1315.03, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1315.03 Additional Criteria. In addition to the criteria set forth in Saf-C 1315.02, any motor vehicle that is not in compliance with any applicable rule or law shall be rejected.

Readopt with amendment Saf-C 1316.01, effective 01-04-05 (Document #8248), as amended effective 09-08-06 (Document #8723), cited and to read as follows:

PART Saf-C 1316 SCHOOL BUS RANDOM OUT OF SERVICE CRITERIA

Saf-C 1316.01 Out of Service - Off the Road.

(a) For the purposes of this section, in the event a school bus is declared out of service pursuant to this section, the school bus shall not be transported unless it is towed or fixed on the spot, and declared back in service by the repairman who fixed the school bus.

(b) The criteria to determine if a school bus is out of service shall be the North American Standard, 2012 edition.

(c) In addition to (b) above, the following shall result in a vehicle being declared out of service:

- (1) Failure to display a valid New Hampshire inspection sticker; or
- (2) Failure to comply with Saf-C 1311 and all applicable rules.

Readopt with amendment Saf-C 1316.02, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1316.02 Out of Service - On the Road.

(a) For the purposes of this section, in the event a school bus is declared out of service pursuant to this section, the school bus shall not be used to transport pupils to any school or school related activity, in the event it is found to have one or more of the following items out of service:

- (1) Bumpers are missing or made of wood;
- (2) Muffler type is not equivalent to the factory installed muffler or is missing;

- (3) A carbon monoxide reading of 20 PPM or greater is inside the motor vehicle;
- (4) Fire extinguisher is missing, empty, an improper size or classification or not secured;
- (5) Wheel chocks are missing or an improper size;
- (6) Triangle emergency reflectors are missing, defective or in violation of these rules;
- (7) First aid kit is missing or not in compliance with Saf-C 1310.03;
- (8) Defective loading light or loading light system;
- (9) Primary school bus identification marking is missing or improper;
- (10) Carrier identification, such as the name of the carrier or school district, is missing or improper;
- (11) Mirror(s) is missing;
- (12) No cross over mirror(s) as required;
- (13) Less than 4/32" tread depth on front tires and less than 2/32" tread depth on rear tires on all school bus types;
- (14) Less than 2/32" tread depth on any tire of a multipurpose passenger vehicle;
- (15) Retreaded or regrooved tires on multipurpose passenger vehicles and front axle on all school bus types;
- (16) Any bulge, tear or cut to the depth of the fabric or belts on the tire sidewall or tread;
- (17) All school bus types are not equipped with snow tires on all drive wheels from November 15th through April 15th;
- (18) Multipurpose passenger vehicles are not equipped with snow tires or all seasonal radials from November 15th through April 15th; or
- (19) Windshield is clouded more than 2 square inches from the outside edge or any clouding which restricts the view of the driver; or
- (20) Windshield is covered with after market tint except for 6 inch wide strip across the top.

Readopt Saf-C 1316.03, effective 01-04-05 (Document #8248), to read as follows:

Saf-C 1316.03 Declaring a Vehicle Back in Service. For the purposes of Saf-C 1316.01(a) and Saf-C 1316.02(a), in order to declare a motor vehicle back in service, a repairman from an official inspection station shall sign the back of the out of service order, certifying that the motor vehicle has been repaired, and the carrier shall be responsible for returning the certified statement to the department.

Readopt with amendment Saf-C 1317.01, effective 01-04-05 (Document #8248), cited and to read as follows:

PART Saf-C 1317 DRIVER QUALIFICATION FILES

Saf-C 1317.01 Driver Qualification Files.

(a) Each employer shall maintain a file on each regularly employed person qualified to drive a school bus.

(b) The file shall include the following:

- (1) Driver's application for employment;
- (2) Medical examiner's certificate;
- (3) Annual driver certification of violations, signed pursuant to the penalties of unsworn falsification;
- (4) Inquiry to previous employers, covering the 3 years prior to the driver's application for employment;
- (5) Inquiry to state agencies, such as a copy of the current school bus roster submitted to the department;
- (6) Annual review of driver certification pursuant to (b)(3) above;
- (7) Controlled substance test results, if otherwise required by law;
- (8) Driver training documentation; and
- (9) Copy of driver license and school bus driver's certificate.

(c) The employer shall be relieved from maintaining a driver qualification file for a driver whom it uses occasionally, as long as the occasional driver is regularly employed by an employer which maintains the driver qualification file as required in (a) above.

(d) The employer shall keep driver qualification files at his/her principal place of business for as long as the driver is employed and for 3 years thereafter.

(e) The employer shall make the driver qualification file(s) of any employee(s) available during regular business hours at the employer's principal place of business when requested to do so by any law enforcement officer or the pupil transportation supervisor who is acting within the scope of his/her official duties to ensure compliance with these rules.

APPENDIX A

RULE	STATUTE
Saf-C 1301.01	RSA 541-A:7
Saf-C 1302.01	RSA 259:96; RSA 541-A:7
Saf-C 1302.02	RSA 259:13
Saf-C 1302.03	RSA 259:19
Saf-C 1302.04	RSA 259:20
Saf-C 1302.05	RSA 259:22
Saf-C 1302.06 REPEALED	RSA 21-P:4, IV
Saf-C 1302.06 (formerly Saf-C 1302.07)	RSA 541-A:7
Saf-C 1302.07	RSA 259:96-a
Saf-C 1302.08-1302.09	RSA 541-A:7
Saf-C 1302.10 REPEALED	RSA 541-A:7
Saf-C 1302.10 (formerly Saf-C 1302.11)	RSA 259:81
Saf-C 1302.11	RSA 541-A:7
Saf-C 1302.12 REPEALED	RSA 259:96
Saf-C 1302.12 (formerly Saf-C 1302.14)	RSA 259:96
Saf-C 1302.13-1303.01	RSA 541-A:7

Saf-C 1303.02	RSA 541-A:31
Saf-C 1303.03-1303.06	RSA 21-P:14, V(d); RSA 260:5; RSA 263:29; RSA 265:58
Saf-C 1303.07 REPEALED	RSA 541-A:7
Saf-C 1303.07 (formerly Saf-C 1303.08)	RSA 541-A:7
Saf-C 1303.08	RSA 21-P:14, III(v)
Saf-C 1304.01-1305.05	RSA 21-P:14, V(d); RSA 260:5; RSA 263:29; RSA 265:58
Saf-C 1306.01-1306.02	RSA 260:5; RSA 265:58
Saf-C 1306.03	RSA 260:5; RSA 266:39
Saf-C 1306.04-1306.08	RSA 260:5; RSA 265:58
Saf-C 1306.09	RSA 260:5; RSA 265:50; RSA 265:58
Saf-C 1307.01-1307.10	RSA 21-P:14, V(b); RSA 260:5; RSA 266:7
Saf-C 1308.01-1316.03	RSA 21-P:14, V(c); RSA 260:5; RSA 266:62
Saf-C 1317.01	RSA 21-P:14, V(u); RSA 260:5; RSA 263:29-a

APPENDIX B

Rule	Title	Obtain at:
Saf-C 1302.13 and Saf-C 1313.17(b)	“National School Transportation Specifications & Procedures”, 2010 Edition, 15 th National Conference on School Transportation	UCM Missouri Safety Center Humphreys Suite 200 Warrensburg, MO 64093 Telephone Orders: (660) 543-4392 FAX: (660) 543-4482 E-mail: schnorenberg@ucmo.edu with order form Web Site: www.ncstonline.org Cost: \$40.00 per copy
Saf-C 1302.09 and Saf-C 1316.01(b)	“North American Standard Out-of-Service Criteria”, effective 04/01/12	Commercial Vehicle Safety Alliance 6303 Ivy Lane, Suite 310 Greenbelt, MD 20770-6319 Telephone Orders: (301) 830-6143 Web Site: www.cvsa.org Cost: \$45.00 for non-members; \$25.00 for members
Saf-C 1308.12(e)	“Society of Automotive	SAE World Headquarters

<p>Saf-C 1308.19(g)(2)</p>	<p>Engineers (SAE) J20, Coolant System Hoses”, effective 06/06</p> <p>“Society of Automotive Engineers (SAE), J1133, School Bus Stop Arm”, effective 06/11</p>	<p>400 Commonwealth Drive Warrendale, PA 15096-0001 Telephone Orders: (877) 606-7323 FAX: (724) 776-0790 Web Site: www.sae.org Cost: \$66.00 per standard by mail or FAX for non-members; can also be downloaded at same price; \$52.80-\$59.40 per standard by mail or FAX for members, can also be downloaded for \$59.40 for members</p>
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