

CHAPTER 2
RULES FOR MINIMUM STANDARDS FOR WYOMING STUDENT TRANSPORTATION VEHICLES

Section 1. Authority. These rules are promulgated by the State Superintendent pursuant to the authority granted by Wyoming Statute 31-5-118(a).

Section 2. General.

(a) Standards for Wyoming student transportation vehicles are defined by the specifications found in the National School Transportation Specifications and Procedures (NSTSP) published by the National Congress on School Transportation, which are incorporated into this chapter by reference. In doing so, the Superintendent and Wyoming Department of Education find as follows:

- (i) Incorporating the text of the NSTSP would be cumbersome and inefficient given the length and nature of the publication;
- (ii) The referenced incorporation means the edition of the NSTSP adopted by the National Congress on School Transportation that is in effect at the time an order for a student transportation vehicle is placed; and
- (iii) Furthermore, the incorporation is limited to the text of the NSTSP that applies to school bus equipment specifications; specially equipped school bus specifications; and alternative fuels.

(b) This document specifies Wyoming student transportation vehicle minimum standards which modify or supplement the NSTSP. In addition to these standards, all Wyoming student transportation vehicles shall comply with applicable Federal Motor Vehicle Safety Standards (FMVSS) and other state and federal standards applicable to school buses and multipurpose passenger vehicles (MPV) on the date of manufacture.

Section 3. Definitions.

- (a) "School bus" means as defined in W.S. 31-5-102(a)(xlii).
 - (i) "Type 'A' school bus" means a conversion school bus with a cutaway front-section vehicle with a left side driver's door and with a gross vehicle weight rating (GVWR) of less than or equal to 14,500 pounds.
 - (ii) "Type 'C' school bus" means a school bus with a chassis with a hood and front fender assembly. The entrance door is behind the front wheels; also known as a conventional school bus. This type also includes cutaway truck chassis or truck chassis with cab with or without a left side door and a GVWR greater than 21,500 pounds.

(iii) "Type 'D' school bus" means a school bus with a stripped chassis. The entrance door is ahead of the front wheels; also known as rear or front engine transit style school bus.

(b) "Specially equipped" means a school bus designed, equipped or modified to accommodate students with special needs.

(c) "Multipurpose Passenger Vehicle" means a motor vehicle built on a truck chassis with seven to ten passenger positions (including the driver) that cannot be certified as a school bus pursuant to 49 CFR §571.

Section 4. School Bus Body and Chassis Specifications.

(a) All emergency exit doors shall be accessible by a 12-inch minimum aisle. The aisle shall be unobstructed at all times. The track of a track seating system is exempt from this requirement.

(b) All Type A school buses shall be equipped with hydraulic brakes.

(c) School bus body exterior trim shall be black.

(d) The following applies to school bus doors:

(i) The entrance door shall be equipped with a power opener under the driver's control.

(ii) There shall be no door to the left of the driver on Type C or D school buses. Type A school buses may be equipped with a chassis manufacturer's standard door to the driver's left.

(e) Type C school buses shall have three Group 31 maintenance-free batteries and Type D school buses shall have two 8D maintenance-free batteries.

(f) In addition to the fire extinguisher located in the driver's compartment, school buses with capacity greater than 56 passengers shall be equipped with a second fire extinguisher mounted in the rear of the bus and readily accessible to the driver and passengers.

(g) School buses shall have removable, moisture-proof and dust-proof first aid kits in a sealed metal box in an accessible place in the driver's compartment. They shall be mounted and identified as first aid kits. A first aid kit's location shall be marked.

(h) Each school bus shall have a removable and moisture-proof body fluid clean-up kit in a sealed metal box accessible to the driver.

(i) In addition to the emergency door and push-out rear window requirements of FMVSS 217, all school buses shall be equipped with emergency exits as follows for the indicated school bus capacities:

(i) One through 45 passengers: one emergency exit per side and one roof hatch.

(ii) 46 to 78 passengers: two emergency exits per side and two roof hatches.

(j) All diesel fuel systems shall be equipped with a fuel heater or heated fuel-water separator.

(k) Floor insulation shall be treated, five-ply softwood plywood, nominal 5/8-inch thickness, and shall be equal to or exceed properties of the exterior-type, C-D Grade, as specified in the standard issued by U.S. Department of Commerce.

(l) The interior of the school bus shall be free of all unnecessary projections. All school buses shall be equipped with inner lining on ceilings and walls. If the ceiling is constructed with lap joints, the forward panel shall be lapped by rear panel and exposed edges shall be beaded, hemmed, flanged, or otherwise treated to minimize sharp edges. School buses may be equipped with an external storage compartment for tools or tire chains.

(m) Interior parcel racks may be provided above side windows within range from front seat to rear seat and be free of projections; shall have a padded perimeter at emergency exit doors; and may be tubular or solid bottom.

(n) School buses shall be equipped with two alternately flashing red warning lamps at the rear of the vehicle and two at the front of the vehicle. The alternately flashing red warning lamps shall be visible at five hundred (500) feet in normal sunlight.

(o) Four alternately flashing amber warning lamps shall be installed so that one is located near each alternately flashing red warning lamp, at the same level, but closer to the vertical centerline of the bus. The alternately flashing amber warning lamps shall be visible at five hundred (500) feet in normal sunlight.

(p) The background surrounding the alternately flashing warning lamps shall be black in color and extend outward approximately 3 inches.

(q) School buses shall not be equipped with hitch receivers or other equipment that enable towing.

(r) School buses shall not be equipped with flip seats.

(s) Dual rear tires shall be provided on all school buses.

- (t) Sanders may not be installed on any school buses.
- (u) Wheelhousing shall be equipped with molded fender extensions and rubber mud flaps.
- (v) The driver's window, the first window on the left, the first window after the entrance door, and door windows shall be approved thermal-pane safety glass. The driver's window on Type A school buses may be the manufacturer's standard.
- (w) Tinted and/or frost-free glazing may be installed in all doors or windows, consistent with federal and state regulations.
- (x) The following specifications will apply to all school buses sold to school districts within Wyoming:
 - i) Model year must be newest available.
 - ii) Mileage 3,000 or less.
 - iii) Brakes - largest available for axles, air disc brakes with ABS as available.
 - iv) Cooling system - heavy duty, maximum capacity available - delivered with long life or extended life coolant that provides protection to -34°.
 - v) Fuel tank - largest tank available.
 - vi) High idle and cruise control - both must be provided.
 - vii) Audio system - AM/FM/PA radio system, factory installed - minimum of one exterior speaker and appropriately spaced interior speakers.
 - viii) Back up camera - with rearview mirror monitor or dash-mounted monitor.
 - ix) Battery compartment - heavy-duty, bearing-type slide tray capable of accommodating the batteries.
 - x) Child check system - must be provided.
 - xi) Crossing control arm - must be provided.
 - xii) Driver seat - high back, fabric insert with two armrests and air suspension.
 - xiii) Lighting (exterior) - stop, tail, turn, marker, and loading lights must be LED.
 - xiv) Mirrors (exterior) - must be heated and power controlled.
 - xv) Padding below windows must be provided.
 - xvi) Passenger seats - must be three-point, lap/shoulder belt variety.
 - xvii) Rear airfoil - must be provided.
 - xviii) Roof must be painted white.
 - xix) Stop signal device - must be electrically operated with flashing LED lights and locking mechanism.
 - xx) Vandal locks - must be provided - student door must be able to be secured (locked electronically) or with a key.

- xxi) Strobe light must be provided.
- xxii) Visors - dark, Plexiglas visors must be installed over the driver's side window and the driver's windshield area.
- xxiii) Owner/Operator manual – must be provided at the time the vehicle is delivered.
- xxiv) Warranty – detailed manufacturer and OEM (for components not having a manufacturer warranty) warranty information must be provided at time of bid.
- xxiv) Final prices should include freight, delivery and document fees.
- xxv) Delivery to multiple State of Wyoming School District locations.
- xxvii) A notarized itemized invoice or copy of the factory line setting ticket showing all factory options as ordered by dealers.

(y) The following minimum specifications will apply to the specific bus configurations sold to school districts within Wyoming:

| Type A (I) | Type A (II) | Type C | Type D |
|---|---|---|---|
| Gross Vehicle Weight Rating (GVWR) of 12,300 lbs. | Gross Vehicle Weight Rating (GVWR) of 14,500 lbs. or less | Gross Vehicle Weight Rating (GVWR) of 21,500 lbs. or greater | Rear Engine - diesel/CNG Cummins L9 300 hp @ 860 ft. lbs. torque or equivalent |
| Engine – Gas – 6.0 L minimum | Engine – Gas – 6.0 L minimum | Engine - diesel Cummins ISB 6.7 L @ 660 ft. lbs. torque or equivalent. (C72 wb requires Cummins L9 300 hp @ 860 ft. lbs. torque or equivalent Engine – gas/propane - Ford 7.3 L V8 minimum or equivalent | Front Engine - diesel – Cummins ISB 6.7L 250 hp @ 660 ft. lbs. torque or equivalent |
| Transmission – electronically controlled 4 speed (minimum) with manufacturer's auxiliary cooler | Transmission – electronically controlled 4 speed (minimum) with manufacturer's auxiliary cooler | Allison 3000 transmission or Equivalent. Gas/Propane Engine minimum - Ford 6R140 6-speed automatic or equivalent | Allison 3000 transmission or equivalent |

| Type A (I) | Type A (II) | Type C | Type D |
|--|--|--|---|
| Auxiliary power outlet (if applicable)- 12v power outlet | Auxiliary power outlet (if applicable)- 12v power outlet | Engine heater (diesel) - engine manufacturer's recommended block heater, factory installed - body plug on bumper | Alternator – 270 Amp Minimum |
| Tilt Hood with Noise Suppression Features | Tilt Hood with Noise Suppression Features | Tilt Hood with Noise Suppression Features | Engine heater - engine manufacturer's recommended block heater, factory installed - body plug on bumper |
| Auxiliary Fan – One 6" minimum mounted on the right windshield area | Auxiliary Fan – One 6" minimum mounted on the right windshield area | Air dryer - heated air dryer with spin-off replaceable cartridge | Air dryer - heated air dryer with spin-off replaceable cartridge |
| Automatic tire chains | Automatic tire chains | Hour meter - mounted in dash panel | Hour meter - mounted in dash panel |
| Interior parcel rack | Interior parcel rack | Rear suspension - air-ride | Rear suspension - air-ride |
| Second heated step | Second heated step | Auxiliary power outlet - 12v power outlet must be provided | Auxiliary power outlet - 12v power outlet must be provided |
| Tinted windows | Tinted windows | Auxiliary fans - two, 6" minimum - mounted on left and right windshield area | Auxiliary fans - two, 6" minimum - mounted on left and right windshield area |
| Specially Equipped Package (Must include full tracking and full cabin A/C) | Specially Equipped Package (Must include full tracking and full cabin A/C) | Specially Equipped Package (Must include full tracking and full cabin A/C) | Specially Equipped Package (Must include full tracking and full cabin A/C) |

| Type A (I) | Type A (II) | Type C | Type D |
|------------|-------------|---|---|
| X | X | Alternator - 200 Amp Minimum | Engine Brake/Exhaust/Transmission Retarder |
| X | X | Engine Brake/Exhaust Retarder | 45,000 BTU Auxiliary Heater (if applicable) |
| X | X | 45,000 BTU Auxiliary Heater (if applicable) | Interior parcel rack |
| X | X | Interior parcel rack | Second heated step |
| X | X | Second heated step | Tinted windows |
| X | X | Tinted windows | Underbus storage |
| X | X | Underbus storage | Automatic tire chains |
| X | X | Automatic tire chains | X |

Section 5. Multipurpose Passenger Vehicles. The following shall apply to all multipurpose passenger vehicles:

- (a) The body shall be a closed integral type.
- (b) The wheelbase shall be one hundred (100) inches or more.
- (c) The vehicle shall have the following equipment:
 - (i) At least one Underwriters' Laboratory (UL)-approved pressurized, dry chemical fire extinguisher.
 - (ii) A first aid kit meeting the same specifications as required for school buses.
 - (iii) A body fluid clean-up kit meeting the same specifications as required for school buses.
- (d) The vehicle shall contain at least three (3) reflectorized triangle road-warning devices.
- (e) The vehicle's color shall not be National School Bus Yellow.
- (f) The vehicle may be equipped with the capability to tow, but shall not be used to tow while transporting students.