

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

<u>TAB</u>	<u>DESCRIPTION</u>	<u>ACTION</u>
1	PENDING RULE - OPEN NEGOTIATIONS: DOCKET NO. 08-0201-1101	Motion to Approve
2	PENDING RULE - SISBO MANUAL: DOCKET NO. 08-0202-1101	Motion to Approve
3	PENDING RULE - ACCREDITATION: DOCKET NO. 08-0202-1102	Motion to Approve
4	PENDING RULE - ENDORSEMENTS: DOCKET NO. 08-0202-1103	Motion to Approve
5	PENDING RULE - INTERIM CERTIFICATE: DOCKET NO. 08-0202-1104	Motion to Approve
6	PENDING RULE - OFFICIAL VEHICLE OF APPROVAL: DOCKET NO. 08-0202-1105	Motion to Approve
7	PENDING RULE - TEACHER EVALUATION: DOCKET NO. 08-0202-1106	Motion to Approve
8	PENDING RULE - ISAT-ALT: DOCKET NO. 08-0203-1101	Motion to Approve
9	PENDING RULE - ASSESSMENT: DOCKET NO. 08-0203-1103	Motion to Approve
10	PENDING RULE - DUAL CREDIT, COLLEGE ENTRANCE: DOCKET NO. 08-0203-1104	Motions to Approve

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**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

SUBJECT

Pending Rule – Docket No. 08-0201-1101

REFERENCE

August 11, 2011

Board approved proposed rule changes to IDAPA
08.02.01.151 Rules Governing Administration –
Negotiations

APPLICABLE STATUTE, RULE, OR POLICY

Section 33-1272, Idaho Code

Section 33-1273A, Idaho Code

Sections 67-2343 through 67-2347, Idaho Code

Idaho Administrative Code, IDAPA 08.02.01.151, Negotiations

BACKGROUND/DISCUSSION

The clarifying changes made between the proposed rule stage and the pending rule stage are in response to comments received from the Idaho School Boards Association and public comments received during the open comment period.

This rule change deals with two aspects of collective bargaining and negotiations. First, the Students Come First law now requires district negotiations with personnel to be conducted in open session and available for the public to attend. This rule would clarify that open negotiations should adhere to Idaho's Open Meeting Law.

Second, the Students Come First law now limits collective bargaining to compensation and benefits. The State Department of Education received feedback from districts, after districts completed collective bargaining this year, that the definition of compensation and benefits needed to be further clarified. This rule change defines salary as "any monies paid to an employee pursuant to an employment contract, the form of which is approved by the Superintendent of Public Instruction pursuant to Section 33-513, Idaho Code, and the process by which the school district board of trustees will determine local student achievement share awards." The rule change also specifies that the inclusion of any other items in a negotiated agreement is prohibited.

ATTACHMENTS

Attachment 1 – Pending Rule – Docket No. 08-0201-1101

Page 3

BOARD ACTION

I move to approve Pending Rule – Docket No. 08-0201-1101, as submitted.

Moved by _____ Seconded by _____ Carried Yes _____ No _____

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**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

**IDAHO ADMINISTRATIVE CODE
State Board of Education**

**IDAPA 08.02.01
Rules Governing Administration**

151. NEGOTIATIONS

01. Open Meeting. For the purposes of Section 33-1273A, Idaho Code, all open meeting negotiations shall adhere to Sections 67-2343 through 67-2344 and 67-2346 through 67-2347, Idaho Code, including posting notices and agendas ~~and such~~. In addition, notices and agendas shall be posted on the main page of the school district's website. ()

02. Collective Bargaining Limited to Compensation and Benefits. Items that may be included in master contracts or negotiated agreements shall be limited to the specific items defined under the terms "Compensation" and "Benefits" under Section 33-1272, Idaho Code. For the purposes of the definition of "Compensation" as stated in Section 33-1272, Idaho Code, the term "salary" means: ()

a. Any monies provided through public funding that are paid to an employee pursuant to an employment contract, the form of which is approved by the Superintendent of Public Instruction pursuant to Section 33-513, Idaho Code; and ()

b. The process by which the school district board of trustees will determine local student achievement share awards pursuant to Section 33-1004I, Idaho Code. ()

c. The inclusion of any other items in a master contract or negotiated agreement is hereby prohibited. Any items included in violation of this provision are hereby declared null, void and of no force or effect. ()

1512. -- 199. (RESERVED)

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**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

SUBJECT

Pending Rule – Docket No. 08-0202-1101

REFERENCE

June 23, 2011

M/S (Luna/Atchley): To approve the proposed rule change to IDAPA 08.02.02.004, Rules Governing Uniformity as submitted. Motion carried unanimously.

November 7, 2008

M/S (Luna/Agidius): To approve the changes to the Standards for Idaho School Buses and Operations to be incorporated by reference into rule. Motion carried unanimously.

APPLICABLE STATUTE, RULE, OR POLICY

Section 33-105, Idaho Code

Idaho Administrative code, IDAPA 08.02.02 – Section 004, Incorporation by Reference

BACKGROUND/DISCUSSION

There were no public comments received during the open comment period.

In May of 2010 the National Congress on School Transportation (National Standards) enacted changes affecting Idaho's school transportation program. In accordance to § 33-1511(2), Idaho Code, *Standards for Idaho School Buses and Operations* (SISBO) must be modified to reflect changes in National Standards.

Significant discussion related to school transportation in Idaho continues following operations and funding changes enacted during the 2010 legislative session.

Recent changes enacted at the 2010 National Standards call for response by the State Department of Education Division of School Transportation. Consequently, the Department engaged in rulemaking related to school transportation in Idaho.

ATTACHMENTS

Attachment 1 – Pending Rule – Docket No. 08-0202-1101

Page 3

Attachment 2 – Standards for Idaho School Buses and Operations (SISBO) Manual

Page 5

BOARD ACTION

I move to approve Pending Rule – Docket No. 08-0202-1101, as submitted.

Moved by _____ Seconded by _____ Carried Yes _____ No _____

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**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

**IDAPA 08
TITLE 02
CHAPTER 02**

08.02.02 - RULES GOVERNING UNIFORMITY

004. INCORPORATION BY REFERENCE.

The State Board of Education adopts and incorporates by reference into its rules:(5-8-09)

01. Idaho Standards for the Initial Certification of Professional School Personnel as approved on November 17, 2010. Copies of this document can be found at www.boardofed.idaho.gov.

02. Standards for Idaho School Buses and Operations as approved on June 23, 2011. The Standards for Idaho School Buses and Operations are available at the Idaho State Department of Education, 650 W. State St., Boise, Idaho, 83702 and can also be accessed electronically at <http://www.sde.idaho.gov/site/transportation/library.htm>. ()

03. Operating Procedures for Idaho Public Driver Education Programs as approved on November 17, 2010. The Operating Procedures for Idaho Public Driver Education Programs are available at the Idaho State Department of Education, 650 W. State St., Boise, Idaho, 83702 and can also be accessed at http://www.sde.idaho.gov/site/driver_edu/forms_curriculum.htm.

(4-7-11)

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STANDARDS FOR IDAHO SCHOOL BUSES & OPERATIONS

RULE BY REFERENCE (35-1511, Idaho Code; ID APA 08.02.02.150)

State Superintendent of Public Instruction
Tom Luna
State Department of Education, Student Transportation
650 W State Street | P.O. Box 83720 | Boise, ID 83720-0027

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

Table of Contents

**STANDARDS FOR IDAHO SCHOOL BUSES AND OPERATIONS
(Rule by Reference – IDAPA 08.02.02.150-219)**

INTRODUCTION TO SCHOOL BUS CONSTRUCTION STANDARDS	9
STATUTORY AUTHORITY	10
RESPONSIBILITIES OF SUPPLIERS	11
DEFINITIONS.....	12
A. NATIONAL SCHOOL TRANSPORTATION SPECIFICATIONS & PROCEDURES – SCHOOL BUS TYPES	12
B. CODE OF FEDERAL REGULATIONS 49CFR390.5 - DEFINITIONS.....	12
C. IDAHO CODE 33-1504 - SCHOOL BUSES	13
D. IDAHO CODE 49-120 (5) – SCHOOL BUSES	13
E. TECHNOLOGY AND EQUIPMENT, NEW	13
WAIVERS	15
BUS CHASSIS STANDARDS	16
A. AIR CLEANER	16
B. AIR CONDITIONING (NON-REIMBURSABLE OPTION – SEE EXCEPTION)	16
C. AXLES	16
D. BRAKES (GENERAL)	16
E. BRAKES (HYDRAULIC)	17
F. BRAKES (AIR)	17
G. BUMPER (FRONT)	18
H. CERTIFICATION.....	19
I. CLUTCH	19
J. COLOR	19
K. DRIVE SHAFT.....	20
L. ELECTRICAL SYSTEM	20
M. ENGINE FIRE EXTINGUISHER (NON-REIMBURSABLE OPTION – SEE EXCEPTION)	22
N. EXHAUST SYSTEM	22
O. FENDERS: FRONT-TYPE C VEHICLES.....	23
P. FRAME	24
Q. FUEL SYSTEM	24
R. GOVERNOR	25
S. HEATING SYSTEM, PROVISION FOR.....	25
T. HORN	25
U. INSTRUMENTS AND INSTRUMENT PANEL	25
V. MUD FLAPS.....	27
W. OIL FILTER.....	27
X. OPENINGS	27
Y. PASSENGER LOAD	27
Z. RETARDER SYSTEM(OPTIONAL EQUIPMENT).....	28
AA. ROAD SPEED CONTROL	28
BB. SHOCK ABSORBERS	28
CC. STEERING GEAR.....	28
DD. SUSPENSION SYSTEMS.....	28
EE. THROTTLE	29
FF. TIRES AND RIMS	29
GG. TRANSMISSION	29

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

HH.	TURNING RADIUS	30
II.	UNDERCOATING	30
BUS BODY STANDARDS.....		31
A.	AIR CONDITIONING (NON-REIMBURSABLE OPTION – SEE EXCEPTION)	31
B.	AISLE	31
C.	BACK-UP WARNING ALARM	31
D.	BATTERY	31
E.	BUMPER: FRONT	32
F.	BUMPER: REAR	32
G.	CEILING	33
H.	CERTIFICATION.....	33
I.	CHAINS (TIRE).....	33
J.	COLOR	33
K.	COMMUNICATIONS.....	33
L.	CONSTRUCTION.....	34
M.	CROSSING CONTROL ARM (OPTIONAL).....	34
N.	DEFROSTERS.....	35
O.	DOORS, SERVICE ENTRANCE	36
P.	EMERGENCY EXITS AND EMERGENCY EXIT ALARM SYSTEMS	37
Q.	EMERGENCY EQUIPMENT	39
R.	FLOORS.....	41
S.	HANDRAILS.....	41
T.	HEATERS AND AIR CONDITIONING SYSTEMS.....	42
U.	HINGES	46
V.	IDENTIFICATION.....	46
W.	INSIDE HEIGHT	48
X.	INSULATION (OPTIONAL).....	48
Y.	INTERIOR.....	48
Z.	LAMPS AND SIGNALS	49
AA.	METAL TREATMENT	52
BB.	MIRRORS	52
CC.	MOUNTING	53
DD.	OVERALL LENGTH.....	53
EE.	OVERALL WIDTH.....	53
FF.	PUBLIC ADDRESS SYSTEM	53
GG.	REFLECTIVE MATERIAL (SEE NATIONAL SCHOOL TRANSPORTATION SPECIFICATIONS & PROCEDURES PLACEMENT OF REFLECTIVE MARKINGS)	54
HH.	RUB RAILS	54
II.	SEATS AND RESTRAINING BARRIERS.....	55
JJ.	STEERING WHEEL.....	57
KK.	STEPS	57
LL.	STEP TREADS.....	57
MM.	STIRRUP STEPS	58
NN.	STOP SIGNAL ARM	58
OO.	STORAGE COMPARTMENT (OPTIONAL)	58
PP.	SUN SHIELD	58
QQ.	TAIL PIPE	59
RR.	TOW ATTACHMENT POINTS	59
SS.	TRACTION ASSISTING DEVICES (OPTIONAL).....	59
TT.	TRASH CONTAINER AND HOLDING DEVICE (OPTIONAL).....	60
UU.	UNDERCOATING	60
VV.	VENTILATION	61
WW.	WHEELHOUSING	61
XX.	WINDOWS	62
YY.	WINDSHIELD WASHERS	62

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

STANDARDS FOR SPECIALLY EQUIPPED SCHOOL BUSES.....	65
A. INTRODUCTION.....	65
B. DEFINITION	66
C. GENERAL REQUIREMENTS	66
D. AISLES	66
E. COMMUNICATIONS.....	66
F. GLAZING.....	66
G. IDENTIFICATION.....	66
H. PASSENGER CAPACITY RATING.....	67
I. POWER LIFTS AND RAMPS	67
J. VEHICLE LIFTS & INSTALLATIONS	67
K. VEHICLE RAMP	70
L. REGULAR SERVICE ENTRANCE	70
M. RESTRAINING DEVICES.....	71
N. SEATING ARRANGEMENTS.....	71
O. SECUREMENT AND RESTRAINT SYSTEM FOR WHEEL CHAIR/ MOBILITY AID AND OCCUPANT AND WHEEL CHAIR SEATED OCCUPANTS	72
P. SPECIAL LIGHT	73
Q. SPECIAL SERVICE ENTRANCE.....	73
STANDARDS FOR ALTERNATIVE FUELS	78
A. INTRODUCTION.....	78
B. GENERAL REQUIREMENTS	78
C. CHARACTERISTICS OF ALTERNATIVE FUELS	80
D. ADMINISTRATION.....	86
E. LOCAL SCHOOL DISTRICT ADMINISTRATION.....	87
F. WRITTEN POLICIES.....	88
G. PERSONNEL QUALIFICATIONS AND TRAINING.....	90
H. VEHICLE OPERATION	97
I. STUDENT MANAGEMENT	100
J. STUDENT ELIGIBILITY	101
K. STUDENT TRANSPORTATION SUPPORT PROGRAM – FINANCIAL REPORTING.....	103
L. ADMINISTRATIVE AND PROGRAM OPERATION COSTS	105
M. SAFETY BUSING.....	107
N. CONTRACT FOR TRANSPORTATION SERVICES	108
O. LEASING DISTRICT-OWNED BUSES	109
P. INELIGIBLE VEHICLES	109
Q. LIABILITY INSURANCE	109
R. NON-TRADITIONAL EDUCATIONAL PROGRAMS	110
S. CAPITAL INVESTMENT	110
T. DEPRECIATION	110
U. PROGRAM SUPPORT	115
V. DEPRECIATION ACCOUNT.....	115
W. REIMBURSEMENT/NON-REIMBURSEMENT MATRIX.....	115
X. APPEALS AND WAIVERS.....	115

**STANDARDS FOR IDAHO SCHOOL BUSES AND OPERATIONS
(Rule by Reference – IDAPA 08.02.02.150-219)**

INTRODUCTION TO SCHOOL BUS CONSTRUCTION STANDARDS

- A. This edition of *Standards for Idaho School Buses and Operations – November*, is based on the latest report from the Fourteenth National Congress on School Transportation, Warrensburg, Missouri, May 2005 (*National School Transportation Specifications & Procedures*). (33-1511, Idaho Code)
- B. This portion of *Standards for Idaho School Buses and Operations – November*, is divided into five sections: Chassis Standards, Body Standards, Standards for Specially Equipped School Buses, Standards for Alternative Fuel for School Buses and Removal from Service Criteria. There are two basic reasons for this format: (1) to define minimum chassis and body standards and (2) to assign responsibility for providing specific equipment. Items delineated in the chassis standards are to be provided by the chassis manufacturer. Items delineated in the body standards are to be provided by the body manufacturer. Most of the items delineated in the Specially Equipped School Bus Section are to be provided by the body manufacturer and most of the requirements for Standards for Alternative Fuel for School Buses are the responsibility of the chassis manufacturer. Therefore, whenever a school district purchases these types of vehicles, special attention must be given to both the chassis specifications and the body specification as they relate to the specific manufacturers.
- C. For new vehicles, it is the responsibility of the vehicle manufacturers to certify compliance with applicable federal standards by installing a certification plate in the driver's area on each vehicle. However, as the vehicle is maintained over its useful life, it is the responsibility of those who supervise and perform work on the vehicle to assure on-going compliance with all applicable standards. When routine maintenance checks reveal any unsafe condition as defined in these standards, the school district will remove the vehicle from service and will eliminate the deficiency before returning the vehicle to service. For this reason, maintenance personnel training, quality components, quality workmanship and thorough maintenance records are essential.

STATUTORY AUTHORITY

- A.** The State Board of Education shall adopt, publish and distribute and from time to time as need therefore arises amend, minimum standards for the construction of school buses, the basis of which standards shall be those incorporated in the latest report of the National Conference on School Transportation, which report shall be filed with the Idaho State Police. (33-1511, Idaho Code)
- B.** All school buses shall at all times conform to the standards of construction prescribed therefore by the state board of education. Before any newly acquired school bus is used for transporting pupils it shall be inspected by a duly authorized representative of the state department of education, and if, upon inspection, it conforms to prescribed standards of construction, or such other standards prescribed by law or regulation, it may be used for transporting pupils; otherwise, no such school bus shall be used for that purpose. The board of trustees of each school district shall provide for an annual inspection of all school buses by district personnel or upon contract at intervals of not more than twelve (12) months. The district, over the signature of the superintendent, shall file with the state department of education its report of inspection of the school buses operated by the authority of the school district. At intervals of not more than sixty (60) days during each school year the board of trustees shall cause inspection to be made of all school buses operating under the authority of the board. In addition, the state department of education shall conduct random, spot inspections of school buses throughout the school year. Whenever any school bus is found, upon inspection, to be deficient in any of the prescribed standards, or is found in any way to be unsafe or unfit for the transportation of pupils, such vehicle shall be withdrawn from service and shall not be returned to service until the district certifies the necessary repairs have been made. (33-1506, Idaho Code)
- C.** Administrative Rules of the State Board of Education: IDAPA 08.02.02.150 and IDAPA 08.02.02.160.

RESPONSIBILITIES OF SUPPLIERS

- A.** Delivery Requirements: The school bus manufacturer shall provide the following materials to the purchaser of a new school bus at the time the unit is delivered to the purchasing school district or contractor. Also, the new school bus dealer, school district or contractor shall temporarily provide the following materials to the state school bus inspector at the time the unit undergoes its new school bus state inspection.
- 1.** Line set tickets for each bus built as a complete unit, and a separate set of line set tickets for buses manufactured in two pieces.
 - 2.** A copy of a completed pre-delivery inspection (PDI) form for each individual unit.
 - 3.** Warranty book and statement of warranty for each individual unit. All warranties shall commence on the day that the purchaser accepts possession of the completed bus.
 - 4.** Service manual (or related resource) for each individual unit or group of identical units.
 - 5.** Parts manual (or related resource) for each individual unit or group of identical units.
 - 6.** A copy of district bid specifications with the dealerships comments.

DEFINITIONS

A. National School Transportation Specifications & Procedures – School Bus Types

1. *Type A*

A Type "A" school bus is a van conversion or bus constructed utilizing a cutaway front-section vehicle with a left side driver's door. The entrance door is behind the front wheels. This definition includes two classifications: Type A1, with a Gross Vehicle Weight Rating (GVWR) less than or equal to 14,500 pounds; and Type A2, with a GVWR greater than 14,500 pounds and less than or equal to 21,500 pounds.

2. *Type B*

A Type "B" school bus is constructed utilizing a stripped chassis. The entrance door is behind the front wheels. This definition includes two classifications; Type B1, with a GVWR less than or equal to 10,000 pounds; and Type B2, with a GVWR greater than 10,000 pounds.

3. *Type C*

A Type "C" school bus is constructed utilizing a chassis with a hood and front fender assembly. The entrance door is behind the front wheels also known as a conventional style school bus. This type also includes the cut away truck chassis or truck chassis with cab with or without a left side door and with a GVWR greater than 21,500 pounds.

4. *Type D*

A Type "D" school bus is constructed utilizing a stripped chassis. The entrance door is ahead of the front wheels also known as a rear engine or front engine transit style school bus.

B. Code of Federal Regulations 49CFR390.5 - Definitions

1. **Bus** means any motor vehicle designed, constructed, and or used for the transportation of passengers, including taxicabs.
2. **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

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

purpose of transporting preprimary, primary, or secondary school students to such schools from home or from such schools to home.

- 3. School bus operation** means the use of a school bus to transport only school children and/or personnel from home to school and from school to home.

C. Idaho Code 33-1504 - School Buses

A motor vehicle shall be deemed a "school bus" when it has a seating capacity of more than ten (10) persons and meets the current national and state minimum standards for school bus construction, and is owned and operated by a school district or a common carrier and is used exclusively for transporting pupils, or is owned by a transportation contractor and is used regularly for transporting pupils.

D. Idaho Code 49-120 (5) – School Buses

"School bus" means every motor vehicle that complies with the color and identification requirements set forth in the most recent edition of "Minimum Standards for School Buses" and is used to transport children to or from school or in connection with school approved activities and includes buses operated by contract carriers.

E. Technology and Equipment, New

- 1.** It is the intent of these standards to accommodate new technologies and equipment that will better facilitate the transportation of all students. When a new technology, piece of equipment or component is desired to be applied to the school bus and it meets the following criteria, it may be acceptable.
- 2.** The technology, equipment or component shall not compromise the effectiveness or integrity of any major safety system, unless it completely replaces the system. (Examples of safety systems include, but are not limited to, compartmentalization, the eight-light warning system, emergency exits, and the yellow color scheme.)
- 3.** The technology, equipment or component shall not diminish the safe environment of the interior of the bus.
- 4.** The technology, equipment or component shall not create additional risk to students who are boarding or exiting the bus or are in or near the school bus loading zone.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- 5.** The technology, equipment or component shall not create undue additional activity and/or responsibility for the driver.
- 6.** The technology, equipment or component shall generally increase efficiency and/or safety of the bus, or generally provide for a safer or more pleasant experience for the occupants and pedestrians in the vicinity of the bus or generally assist the driver or make his/her many tasks easier to perform.

WAIVERS

- A.** The State Board of Education may grant a waiver of any construction standard not required by state or federal law to any school district, school bus manufacturer, or school bus dealer upon written request. Written requests shall be submitted to the State Department of Education Student Transportation Section which shall make an appropriate recommendation to the State Board of Education subsequent to review by the Student Transportation Steering Committee. The Board will not grant waivers of any construction standard required by state or federal law. State and federal law includes case law (including consent decrees), statutes, constitutions, and federal regulations. (33-1506, Idaho Code; IDAPA 08.02.01.001)

BUS CHASSIS STANDARDS

A. Air Cleaner

- 1.** A dry element type air cleaner shall be provided.
- 2.** All diesel engine air filters shall include a latch-type restriction indicator that retains the maximum restriction developed during operation of the engine. The indicator should include a reset control so the indicator can be returned to zero when desired. Type A buses are not exempt from this requirement.

B. Air Conditioning (Non-Reimbursable Option – see exception)

- 1.** Chassis installed air conditioning must meet the same requirements as those cited in the bus body standards under “Heating and Air Conditioning.”
- 2.** Reimbursement Exception: Air conditioning shall be reimbursable under the pupil transportation support program when the school district can demonstrate a need subsequent to an IDEA mandated related service.

C. Axles

The front and rear axle and suspension systems shall have gross axle weight rating (~~GVWR~~) (**GAWR**) at ground commensurate with the respective front and rear weight loads of the bus loaded to the rated passenger capacity.

D. Brakes (General)

- 1.** The chassis brake system shall conform to the provisions of FMVSS No. 105, No. 106 and No. 121 as applicable.
- 2.** The anti-lock brake system (ABS), provided in accordance with FMVSS No. 105 or No. 121, shall provide wheel speed sensors for each front wheel and for each wheel on at least one rear axle. The system shall provide anti-lock braking performance for each wheel equipped with sensors. (Four Channel System).
- 3.** All brake systems should be designed to permit visual inspection of brake lining wear without removal of any chassis component(s).

4. The brake lines, booster-assist lines, and control cables shall be protected from excessive heat, vibration and corrosion and installed in a manner which prevents chafing.
5. The parking brake system for either air or hydraulic service brake systems may be of a power assisted design. The power parking brake actuator should be a device located on the instrument panel within seated reach of a 5th percentile female driver. As an option, the parking brake may be set by placing the automatic transmission shift control mechanism in the “park” position.
6. The power-operated parking brake system may be electronically interlocked to the engine key switch. Once the parking brake has been set and the ignition switch turned to the “off” position, the parking brake cannot be released until the key switch is turned back to the “on” position.

E. Brakes (Hydraulic)

Buses using a hydraulic assist brake shall be equipped with audible and visible warning signals that provide a continuous warning to the driver of loss of fluid flow from the primary source and of a failure of the back-up pump system. Type A and B buses may be OEM standard.

F. Brakes (Air)

1. The air pressure supply system shall include a desiccant-type air dryer installed according to the manufacturers’ recommendations. The air pressure storage tank system may incorporate an automatic drain valve.
2. The Chassis manufacturer should provide an accessory outlet for air-operated systems installed by the body manufacturer. This outlet shall include a pressure protection valve to prevent loss of air pressure in the service brake reservoir.
3. For air brake systems, an air pressure gauge shall be provided in the instrument panel capable of complying with CDL pre-trip inspection requirements.
4. All Air brake-equipped buses may be equipped with a service brake interlock. If so equipped, the parking brake shall not release until the brake pedal is depressed.
5. Air brake systems shall include a system for anti-compounding of the service brakes and parking brakes.

6. Air brakes shall have both a visible and audible warning device whenever the air pressure falls below the level where warnings are required under FMVSS No. 121.

G. **Bumper (Front)**

1. All school buses shall be equipped with a front bumper. The front bumper shall be furnished by the chassis manufacturer as part of the chassis on all school bus types unless there is a specific arrangement between the chassis manufacturer and body manufacturer.
2. The front bumper shall be of pressed steel channel or equivalent material (except Type A-1 buses having a GVWR of 14,500 pounds or less which may be OEM supplied) at least 3/16" thick and not less than 8" wide (high). It shall extend beyond forward-most part of the body, grille, hood, and fenders and shall extend to outer edges of the fenders at the bumper's top line.
3. Type A buses having a GVWR of 14,500 pounds or less may be equipped with an OEM-supplied front bumper. The front bumper shall be of sufficient strength to permit being pushed by another vehicle on a smooth surface with a 5 degree, (8.7 percent) grade, without permanent distortion. The contact point on the front bumper is intended to be between the frame rails, with as wide a contact area as possible if the front bumper is used for lifting, the contact points shall be under the bumper attachments to the frame rail brackets unless the manufacturer specifies different lifting points in the owner's manual. Contact and lifting pressures should be applied simultaneously at both lifting points.
4. Front bumper, except breakaway bumper ends, shall be of sufficient strength to permit pushing a vehicle of equal gross vehicle weight without permanent distortion to the bumper, chassis, or body.
5. A towing device (hooks, eyes, bar) shall be furnished on all school bus types and attached so as not to project beyond the front bumper. Towing devices attached to the frame chassis shall be furnished by the chassis manufacturer. This installation shall be in accordance with the chassis manufacturer's specifications. Tow hooks or eyes shall have an individual strength rating of 13,500 pounds each, for a combined rating of 27,000 pounds. For pulling and lifting purposes, tow hooks are meant to be used simultaneously. For pulling, angularity applied to the tow hooks will decrease the capacities of the tow hooks.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- 6.** **NOTE:** Type A buses are exempt from this requirement for front tow hooks or eyes due to built-in crush zones. Rear tow devices are addressed in the Bus Body Specifications under Towing Attachments Points.
- 7.** The bumper shall be designed or reinforced so that it will not deform when the bus is lifted by a chain that is passed under the bumper (or through the bumper if holes are provided for this purpose) and attached to the towing (type A may be OEM) device(s). For the purpose of meeting this specification, the bus shall be empty and positioned on a level, hard surface and the towing device(s) shall share the load equally.

H. **Certification**

- 1.** The chassis manufacturer, upon request of the Idaho State Department of Education Student Transportation Section, shall certify that its product meets all Idaho minimum construction standards on items not covered by the FMVSS certification requirements of 49 CFR, Part 567.
- 2.** The body manufacturer upon request of the Idaho State Department of Education Student Transportation Section shall certify that its product meets all Idaho minimum construction standards (Standards for Idaho School Buses and Operations) for items not covered by the FMVSS certification requirements of 49 CFR, Part 567.

I. **Clutch**

- 1.** Clutch torque capacity shall be equal to or greater than the engine torque output.
- 2.** A starter interlock shall be installed to prevent actuation of the starter if the clutch pedal is not depressed.

J. **Color**

- 1.** The chassis, including axle hubs and front bumper, shall be black. Body cowl, hood, and fenders shall be in national school bus yellow (NSBY). The flat top surface of the hood may be non-reflective black or non-reflective NSBY, according to School Bus Manufacturers Technical Council publication - 008.
- 2.** Rims may be gray or black as received from the manufacturer.
- 3.** Multi-Function School Activity Buses (MFSABs) shall be exempt from these requirements.

K. Drive Shaft

The drive shaft shall be protected by a metal guard or guards around the circumference of the drive shaft to reduce the possibility of its whipping through the floor or dropping to the ground, if broken.

L. Electrical System

1. Battery:

- a.** The storage battery shall have minimum cold cranking capacity rating (cold cranking amps) equal to the cranking current required for 30 seconds at 0 degrees Fahrenheit and a minimum reserve capacity rating of 120 minutes at 25 amps. Higher capacities may be required, depending upon optional equipment and local environmental conditions.
- b.** Since all batteries are to be secured in a sliding tray in the body (type A and B buses may be OEM), chassis manufacturers shall temporarily mount the battery on the chassis frame, except that van conversion or cutaway front-section chassis may be secured in accordance with the manufacturer's standard configuration. In these cases, the final location of the battery and the appropriate cable lengths shall be agreed upon mutually by the chassis and body manufacturer. However, in all cases the battery cable provided with the chassis shall have sufficient length to allow some slack, and be of sufficient gauge to carry the required amperage.

2. Alternator:

- a.** All Type A-2 buses and Type B buses with a GVWR of 15,000 lbs or less shall have, at a minimum, a 130 ampere alternator.
- b.** Types A-2 and Type B buses over 15,000 lbs. GVWR and all type C and D buses shall be equipped with a heavy-duty truck or bus-type alternator ~~meeting SAE J-180~~, having a minimum output rating of ~~130~~ **160** amperes or higher, and should produce a minimum current output of 50 percent of the rating at engine idle speed.
- c.** Buses equipped with an electrically powered wheelchair lift, air conditioning or other accessories may be equipped with a device that monitors the electrical system voltage and advances the engine idle speed when the voltage drops to, or below, a pre-set level.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

d. A belt alternator drive shall be capable of handling the rated capacity of the alternator with no detrimental effect on any other driven components. (See SBMTC; "School Bus Technical Reference," for estimating required alternator capacity, [available at http://www.Nasdpts.org](http://www.Nasdpts.org))

e. A direct drive alternator is permissible in lieu of a belt driven alternator.

3. *Wiring:*

a. All wiring shall conform to current applicable recommended practices of the Society of Automotive Engineers (SAE).

b. All wiring shall use color and at least one other method of identification. The other method shall be either a number code or name code, and each chassis shall be delivered with a wiring diagram that illustrates the wiring of the chassis.

c. The chassis manufacturer shall install a readily accessible terminal strip or plug on the body side of the cowl or in an accessible location in the engine compartment of vehicles designed without a cowl. The strip or plug shall contain the following terminals for the body connections:

(1) Main 100 amp body circuit

(2) Tail lamps

(3) Right turn signal

(4) Left turn signal

(5) Stop lamps

(6) Back up lamps

(7) Instrument panel lights (rheostat controlled)

d. Multiplex wiring is recommended and may exempt manufacturers from some of the above wiring standards.

4. *Circuits:*

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- a. An appropriate identifying diagram (color plus a name or number code) for all chassis electrical circuits shall be provided to the body manufacturer for distribution to the end user.
- b. The headlight system must be wired separately from the body-controlled solenoid.
- c. Multiplex wiring is recommended and may exempt manufacturers from some of the above circuitry standards.

5. *Daytime Running Lamps (DRL):*

A daytime running lamps system meeting chassis manufacturer's specifications shall be provided.

M. **Engine Fire Extinguisher (Non-Reimbursable Option – see exception)**

The chassis manufacturer may provide an automatic fire extinguisher system in the engine compartment, which may be reimbursable with prior approval.

N. **Exhaust System**

- 1. The exhaust pipe, muffler, and tailpipe, and after treatment system shall be outside the bus body compartment and attached to the chassis so as not to damage any other chassis component.
- 2. The tailpipe shall be constructed of a corrosion-resistant tubing material at least equal in strength and durability to 16-gauge steel tubing of equal diameter.
- 3. Chassis manufacturers shall furnish an exhaust system with tailpipe of sufficient length to exit the rear of the bus or at the left side of the bus body no more than 18 inches forward of the front edge of the rear wheel house opening. If designed to exit at the rear of the bus, the tailpipe shall extend at least five inches beyond the end of the chassis frame. If designed to exit to the side of the bus, the tailpipe shall extend at least 48.5 inches (51.5 inches if the body is to be 102 inches wide) outboard from the chassis centerline. The tailpipe may be flush with or shall not extend more than two inches beyond the perimeter of the body for side exit, or the rear bumper for rear exit pipe. The exhaust system shall be designed such that exhaust gas will not be trapped under the body of the bus.
- 4. On Types C and D vehicles, the tailpipe shall not exit beneath a fuel fill or emergency door exit.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

5. Type A and B chassis may be furnished with the manufacturer's standard tailpipe configuration.
 - a. **NOTE:** See Bus Body Standards under Tailpipe.
6. The exhaust system on a chassis shall be adequately insulated from the fuel system.
7. The muffler shall be constructed of corrosion-resistant material.
8. The exhaust system on the chassis may be routed to the left of the right frame rail to allow for the installation of a power lift unit on the right side of the vehicle.
9. Exceptions to Idaho exhaust system standards may be necessary in order to comply with changing federal emission standards on school buses. School bus manufacturers may submit a written request for an exception to an Idaho exhaust system standard to the State Department of Education Student Transportation Section. Any exhaust system exception to standard request must be linked to federal emission standards rationale. The request will then be reviewed by the Student Transportation Steering Committee.
10. The design of the after treatment systems shall not allow active (non-manual) regeneration of the particulate filter during the loading and unloading of passengers. Manual regeneration systems will be designed such that unintentional operation will not occur.
11. For after treatment systems that require Diesel Exhaust Fluid (DEF) to meet federally mandated emissions:
 - a. The composition of Diesel Exhaust Fluid (DEF) must comply with International Standard ISO 22241-1. Refer to engine manufacturer for any additional DEF requirements.
 - b. The DEF supply tank should be designed to meet a minimum ratio of 3 diesel fills to 1 DEF fill.

Q. **Fenders: Front-Type C Vehicles**

1. Total spread of outer edges of front fenders, measured at fender line, shall exceed total spread of front tires when front wheels are in straight-ahead position.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

2. Front fenders shall be properly braced and shall not require attachment to any part of the body.

P. Frame

1. Any secondary manufacturer that modifies the original chassis frame shall provide a warranty at least equal to the warranty offered by the original equipment manufacturer (OEM), and shall certify that the modification and other parts or equipment affected by the modification shall be free from defects in material and workmanship under normal use and service intended by the OEM.
2. Frames shall not be modified for the purpose of extending the wheelbase.
3. Holes in top or bottom flanges or side units of the frame, and welding to the frame, shall not be permitted except as provided or accepted by chassis manufacturer.
4. Frame lengths shall be established in accordance with the design criteria for the complete vehicle.

Q. Fuel System

1. Fuel tank (or tanks) having a minimum 30-gallon capacity shall be provided by the chassis manufacturer. The tank shall be filled and vented to the outside of the body and the fuel filler should be placed in a location where accidental fuel spillage will not drip or drain on any part of the exhaust system.
2. Fuel lines shall be mounted to the chassis frame in such a manner that the frame provides the maximum possible protections from damage.
3. The fuel system shall comply with FMVSS No. 301.
4. Fuel tank(s) may be mounted between the chassis frame rails or outboard of the frame rails on either the left or right side of the vehicle.
5. The actual draw capacity of each fuel tank shall be, at a minimum, 83 percent of the tank capacity.
6. Installation of alternative fuel systems, including fuel tanks and piping from tank to engine, shall comply with all applicable fire codes in effect on the date of manufacture of the bus.
7. Installation of LPG tanks shall comply with National Fire Protection Association (NFPA) 58.

8. Installation of Compressed Natural Gas (CNG) containers shall comply with FMVSS No. 304, *Compressed Natural Gas Fuel Container Integrity*.
9. The GNG Fuel System shall comply with FMVSS No. 303, *Fuel System Integrity of Compressed Natural Gas Vehicles*.

R. Governor

An electronic engine speed limiter shall be provided and set to limit engine speed, not to exceed the maximum revolutions per minute, as recommended by the engine manufacturer.

S. Heating System, Provision for

The chassis engine shall have plugged openings for the purpose of supplying hot water for the bus heating system. ~~The openings shall be suitable for attaching 3/4 inch pipe thread/hose connectors.~~ The engine shall be capable of supplying coolant at a temperature of at least 170 degrees Fahrenheit at the engine cooling thermostat opening temperature. The coolant flow rate shall be 50 pounds per minute at the return end of 30 feet of one-inch inside diameter automotive hot water heater hose, according to School Bus Manufacturers Technical Council publication - 001.

T. Horn

The bus shall be equipped with two horns of standard make with each horn capable of producing a complex sound in bands of audio frequencies between 250 and 2,000 cycles per second and tested in accordance with SAE J-377.

U. Instruments and Instrument Panel

1. The chassis shall be equipped with the instruments and gauges listed below. (Telltale warning lamps in lieu of gauges are not acceptable, except as noted.)
 - a. Speedometer
 - b. Tachometer (**Note:** For types B, C, and D buses, a tachometer shall be installed so as to be visible to the driver while seated in a normal driving position.)
 - c. Odometer which will give accrued mileage (to seven digits), including tenths of miles, unless tenths of miles are registered on a

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

trip odometer. Odometer shall be available to read without use of the vehicle's key.

d. Voltmeter

(1) (An ammeter with graduated charge and discharge indications is permitted in lieu of a voltmeter; however, when used, the ammeter wiring must be compatible with the current flow of the system.)

e. Oil pressure gauge

f. Water temperature gauge

g. Fuel gauge

h. Upper beam headlight indicator

i. Brake air pressure gauge (air brakes), brake indicator lamp (vacuum/hydraulic brakes), or brake indicator lamp (hydraulic/hydraulic).

(1) (A telltale warning lamp indicator in lieu of gauge is permitted on a vehicle equipped with a hydraulic-over-hydraulic brake system.

j. Turn signal indicator

k. Glow-plug indicator light where appropriate

2. All instruments shall be easily accessible for maintenance and repair.

3. The instruments and gauges shall be mounted on the instrument panel so that each is clearly visible to the driver while seated in a normal driving position.

4. The instrument panel shall have lamps of sufficient candlepower to illuminate all instruments, gauges and shift selector indicator for the automatic transmission or as required by FMVSS No. 101.

5. Multi-function gauge (MFG) (Optional):

a. The driver must be able to manually select any displayable function of the gauge on a MFG whenever desired.

- b. Whenever an out-of-limits condition that would be displayed on one or more functions of a MFG occurs, the MFG controller should automatically display this condition on the instrument cluster. This should be in the form of an illuminated telltale warning lamp as well as having the MFG automatically displays the out-of-limits indications. Should two or more functions displayed on the MFG go out of limits simultaneously, then the MFG should sequence automatically between those functions continuously until the condition(s) are corrected.
- c. The use of a MFG does not relieve the need for audible warning devices, where required.

V. **Mud Flaps**

Rear vehicle mud flaps shall be required on all school buses, except when not provided as an option by the school bus manufacturer.

W. **Oil Filter**

An oil filter with a replaceable element shall be provided and connected by flexible oil lines if it is not a built-in or an engine-mounted design. The oil filter shall have a capacity in accordance with the engine manufacturer's recommendation.

X. **Openings**

All openings in the floorboard or firewall between the chassis and passenger compartment (e.g., for gearshift selector and parking brakes lever) shall be sealed.

Y. **Passenger Load**

1. Actual gross vehicle weight (GVW) is the sum of the chassis weight, plus the body weight, plus the driver's weight, plus total seated student weight. For purposes of calculation, the driver's weight is 150 pounds and the student weight is 120 pounds per student.
2. Actual GVW shall not exceed the chassis manufacturer's GVWR for the chassis, nor shall the actual weight carried on any axle exceed the chassis manufacturer's Gross Axle Weight Rating (GAWR).
3. When requested, the manufacturer's GVWR for a particular school bus shall be furnished by manufacturers in duplicate (unless more copies are requested) to the purchasing school district or contractor.

Z. Retarder System(Optional Equipment)

A retarder system, if used, shall limit the speed of a fully loaded school bus to 19.0 mph on a 7 percent grade for 3.6 miles.

AA. Road Speed Control

When it is desired to accurately control vehicle maximum speed, a vehicle speed limiter may be utilized.

BB. Shock Absorbers

The bus shall be equipped with double-action shock absorbers compatible with manufacturer's rated axle capacity at each wheel location. Shock absorbers shall be of sufficient length to allow for adequate travel in all situations without damage to the shock absorber or mounts.

CC. Steering Gear

- 1.** The steering gear shall be approved by the chassis manufacturer and designed to ensure safe and accurate performance when the vehicle is operated with maximum load and at maximum speed.
- 2.** If external adjustments are required, steering mechanism shall be accessible to make adjustments.
- 3.** No changes shall be made in the steering apparatus which are not approved by the chassis manufacturer.
- 4.** There shall be a clearance of at least two inches between the steering wheel and cowl, instrument panel, windshield, or any other surface.
- 5.** Power steering is required and shall be of the integral type with integral valves.
- 6.** The steering system shall be designed to provide a means for lubrication of all wear-points, which are not permanently lubricated.

DD. Suspension Systems

- 1.** The capacity of springs or suspension assemblies shall be commensurate with the chassis manufacturer's GVWR.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- 2.** Rear leaf springs shall be of a progressive rate or multi-stage design. Front leaf springs shall have a stationary eye at one end and shall be protected by a wrapped leaf, in addition to the main leaf.

EE. Throttle

The force required to operate the throttle shall not exceed 16 pounds throughout the full range of accelerator pedal travel.

FF. Tires and Rims

- 1.** Rims of the proper size and tires of the proper size and load rating commensurate with the chassis manufacturer's gross vehicle weight rating shall be provided. The use of multi-piece rims and/or tube-type tires shall not be permitted on any school bus ordered after December 31, 1995.
- 2.** Dual rear tires shall be provided on Type A-2, Type B, Type C and Type D school buses.
- 3.** All tires on a vehicle shall be of the same size, and the load range of the tires shall meet or exceed the GVWR, as required by FMVSS 120.
- 4.** If the vehicle is equipped with a spare tire and rim assembly, it shall be the same size as those mounted on the vehicle.
- 5.** If a tire carrier is required, it shall be suitably mounted in an accessible location outside the passenger compartment.

GG. Transmission

- 1.** Automatic transmissions shall have no fewer than three forward speeds and one reverse speed. Mechanical shift selectors shall provide a detent between each gear position when the gear selector quadrant and shift selector are not steering-column mounted.
- 2.** In manual transmissions, second gear and higher shall be synchronized, except when incompatible with engine power. A minimum of three forward speeds and one reverse speed shall be provided.
- 3.** ~~A transmission interlock, controlled by application of the service brake, shall be installed to prohibit accidental engagement of the automatic transmission.~~ Automatic transmissions incorporating a parking pawl shall have a transmission shifter interlock controlled by the application of the service brake to prohibit accidental engagement of the transmission. All non-park pawl transmissions shall incorporate a

park brake interlock that requires the service brake to be applied to allow release of the parking brake.

HH. Turning Radius

- 1.** A chassis with a wheelbase of 264 inches or less shall have a right and left turning radius of not more than 42½ feet, curb-to-curb measurement.
- 2.** A chassis with a wheelbase of 265 inches or more shall have a right and left turning radius of not more than 44½ feet, curb-to-curb measurement.

II. Undercoating

- 1.** The chassis manufacturer, or its agent, shall coat the undersides of steel or metallic-constructed front fenders with a rust-proofing compound, for which the compound manufacturer has issued notarized certification of compliance to chassis builder that the compound meets or exceeds all performance and qualitative requirements of paragraph 3.4 of Federal Specification TT-C-520B, using modified tests.
 - a.** SAE J1959. The undercoating material shall be applied with suitable airless or conventional spray equipment to the undercoating material manufacturer recommended film thickness and shall show no evidence of voids in the cured film.
 - b.** The undercoating material shall not cover any exhaust components of the chassis.

BUS BODY STANDARDS

A. Air Conditioning (Non-Reimbursable Option – see exception)

1. Body manufacture, or after-market, installed air conditioning must meet the same requirements as those cited under "Heating and Air Conditioning."
2. Reimbursement Exception: Air conditioning shall be reimbursable under the Pupil Transportation Support Program when the school district can demonstrate a need subsequent to an IDEA mandated related service.

B. Aisle

1. All emergency exit doors shall be accessible by a 12-inch minimum aisle. The aisle shall be unobstructed at all times by any type of barrier, seat, wheelchair or tiedown. Flip seats are not allowed.
2. ~~The seat backs shall be slanted sufficiently to give aisle clearance of 15 inches at tops of seat backs.~~
3. ~~Side emergency doors in excess of FMVSS and Standards for Idaho School Buses and Operations requirements may be secured and made inoperable; however, in doing so, all emergency door labeling, reflective markings, operation instructions, operating handles and all audible and visible warning devices shall be removed and no emergency egress aisle at that location shall exist.~~

C. Back-Up Warning Alarm

1. An automatic audible alarm shall be installed behind the rear axle and shall comply with the published Backup Alarm Standards (SAE J994B), providing a minimum of 112 dBA, or shall have a variable volume feature that allows the alarm to vary from 87 dBA to 112 dBA sound level, staying at least 5 dBA above the ambient noise level.

D. Battery

1. The battery is to be furnished by the chassis manufacturer.
2. When the battery is mounted as described in the "Bus Chassis Specifications", the body manufacturer shall securely attach the battery on a slide-out or swing-out tray in a closed, vented compartment in the body skirt, so that the battery is accessible for convenient servicing from the outside. The battery compartment

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

door or cover shall be hinged at the front or top, and be secured by an adequate and conveniently operated latch or other type fastener. Battery cables installed by the body manufacturer shall meet chassis manufacturer and SAE requirements. Battery cables shall be of sufficient length to allow the battery tray to fully extend. The battery compartment is required on Type A-1 diesel buses.

3. Buses may be equipped with a battery shut-off switch. If so equipped, the switch is to be placed in a location not readily accessible to the passengers.

E. Bumper: Front

On a Type D school bus, if the chassis manufacturer does not provide a bumper, it shall be provided by the body manufacturer. The bumper will conform to the standards described in the "Bus Chassis Specifications."

F. Bumper: Rear

1. The bumper shall be pressed steel channel at least 3/16 inch thick or equivalent strength material (except for Type A buses). Type A-1 bus bumper shall be a minimum of 8 inches wide (high) and Type A-2, B, C and D bus bumper shall be a minimum of 9 1/2 inches wide (high). The bumper shall be of sufficient strength to permit being pushed by another vehicle of similar size or lifted without permanent distortion.
2. The bumper on Type A-1 buses shall be a minimum of 8 inches wide (high). Bumpers on Types A-2, B, C and D buses shall be a minimum of 9½ inches wide (high). The bumper shall be of sufficient strength to permit being pushed by another vehicle of similar size and being lifted by the bumper without permanent distortion.
3. The bumper shall be wrapped around back corners of the bus. It shall extend forward at least 12 inches, measured from the rear-most point of the body at the floor line, and shall be flush-mounted to body sides or protected with an end panel.
4. The bumper shall be attached to the chassis frame in such a manner that it may be easily removed. It shall be so braced to resist deformation of the bumper resulting from ~~as to withstand~~ impact from the rear or side. It shall be so designed ~~attached as to~~ discourage hitching of rides by an individual.
5. The bumper shall extend at least 1 inch beyond the rear-most part of the body surface measured at the floor line.

- 6.** The bottom of the rear bumper shall not be more than 30 inches above ground level.

G. Ceiling

See Insulation and Interior, this section.

H. Certification

The body manufacturer upon request of the Idaho State Department of Education Student Transportation Section shall certify that its product meets all Idaho minimum construction standards (Standards for Idaho School Buses and Operations) for items not covered by the FMVSS certification requirements of 49 CFR, Part 567.

I. Chains (Tire)

See Wheelhousing, this section.

J. Color

- 1.** The school bus body shall be painted National School Bus Yellow (NSBY), according to School Bus Manufacturers Technical Council publication - 008.
- 2.** The entire rubrail and body exterior paint trim shall be black. Entrance door exterior (excluding glass) shall be NSBY or black. Passenger and driver window frames shall be painted NSBY, black to match body trim, or shall be unpainted aluminum. The area between the passenger and driver window frames shall be NSBY (National School Bus Yellow).
- 3.** Optionally, the roof of the bus may be painted white (non-reimbursable) except that the front and rear roof caps shall remain NSBY, according to National School Transportation Specifications & Procedures Placement of Reflective Markings. If required by automated painting processes a maximum three (3) inch black transition strip is allowed between the white roof cap and the NSBY body paint above the windows.

K. Communications

All school buses used to transport students shall be equipped with two-way voice communication other than CB radios.

L. Construction

- 1. Side Intrusion Test:** The bus body shall be constructed to withstand an intrusion force equal to the curb weight of the vehicle, or exceed 20,000 pounds, whichever is less. Each vehicle shall be capable of meeting this requirement when tested in accordance with the procedures set forth below.
- 2.** The complete body structure, or a representative seven-body section mock up with seats installed, shall be load-tested at a location 24 inches plus or minus two inches above the floor line, with a maximum 10-inch diameter cylinder, 48 inches long, mounted in a horizontal plane.
- 3.** The cylinder shall be placed as close as practical to the mid-point of the tested structure, spanning two internal vertical structural members. The cylinder shall be statically loaded to the required force of curb weight or 20,000 pounds, whichever is less, in a horizontal plane with the load applied from the exterior toward the interior of the test structure. Once the minimum load has been applied, the penetration of the loading cylinder into the passenger compartment shall not exceed a maximum of ten inches from its original point of contact. There can be no separation of lapped panels or construction joints. Punctures, tears or breaks in the external panels are acceptable but are not permitted on any adjacent interior panel.
- 4.** Body companies shall certify compliance with this intrusion requirement, including test results, if requested.
- 5.** Construction shall be reasonably dust-proof and watertight.

M. Crossing Control Arm (Optional)

- 1.** Buses may be equipped with a crossing control arm mounted on the right side of the front bumper. This arm when opened shall extend in a line parallel with the body side and positioned on a line with the right side wheels.
- 2.** All components of the crossing control arm and all connections shall be weatherproofed.
- 3.** The crossing control arm shall incorporate system connectors (electrical, vacuum or air) at the gate and shall be easily removable to allow for towing of the bus.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

4. The crossing control arm shall be constructed of noncorrosive or nonferrous material or treated in accordance with the body sheet metal specifications. (see METAL TREATMENT)
5. There shall be no sharp edges or projections that could cause injury or be a hazard ~~hazard or injury~~ to students. The end of the arm shall be rounded.
6. The crossing control arm shall extend a minimum of 70 inches (measured from the bumper at the arm assembly attachment point) when in the extended position.
7. The crossing control arm shall extend simultaneously with the stop arm(s) by means of the stop arm controls.
8. An automatic recycling interrupt switch should be installed for temporary disabling of the crossing control arm.
9. The assembly shall include a device attached to the bumper near the end of the arm to automatically retain the arm while in the stowed position. That device shall not interfere with normal operations of the crossing control arm.

N. **Defrosters**

1. Defrosting and defogging equipment shall direct a sufficient flow of heated air onto the windshield, the window to the left of the driver and the glass in the viewing area directly to the right of the driver to eliminate frost, fog and snow. **Exception:** The requirement of this standard does not apply to the exterior surfaces of double pane storm windows.
2. The defrosting system shall conform to SAE J381.
3. The defroster and defogging system shall be capable of furnishing heated, outside ambient air, except that the part of the system furnishing additional air to the windshield, entrance door and stepwell may be of the recirculating air type.
4. Auxiliary fans are not considered defrosting or defogging systems.
5. ~~Buses shall be equipped with a switch that will cut all power to radio and fans for noise suppression purposes and it shall be mounted within easy reach of the driver.~~

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

6. ~~Portable heaters shall not be used. Low profile heaters are not allowed within the clear floor area required to accommodate a wheelchair.~~

O. Doors, Service Entrance

1. The entrance service door shall be in the driver's control, designed to afford easy release and to provide a positive latching device on manual operating doors to prevent accidental opening. When a hand lever is used, no part shall come together that will shear or crush fingers. Manual door controls shall not require more than 25 pounds of force to operate at any point throughout the range of operation, as tested on a 10 percent grade both uphill and downhill.
2. The entrance service door shall be located on the right side of the bus, opposite and within direct view of driver.
3. The entrance service door shall have a minimum horizontal opening of 24 inches and a minimum vertical opening of 68 inches.
4. Entrance Service door shall be a split-type door and shall open outward.
5. ~~Lower, as well as upper, door panels~~ All entrance door glass shall be of approved safety glass. The bottom of each lower glass panel shall not be more than ten inches from the top surface of the bottom step. The top of each upper glass panel when viewed from the interior shall not be more than three inches below the interior door control cover or header pad. ~~shall not be more than three inches from the top of the door.~~
6. Vertical closing edges on entrance doors shall be equipped with flexible material to protect children's fingers.
7. There shall be no door to left of driver on Type B, C or D vehicles. All Type A vehicles may be equipped with the chassis manufacturer's standard left-side door.
8. All doors shall be equipped with padding at the top edge of each door opening. Padding shall be at least three inches wide and one inch thick and extend the full width of the door opening.
9. On power-operated entrance service doors, the emergency release valve, switch or device to release the entrance service door must be placed above or to the immediate left or right of the entrance service door and must be clearly labeled. The emergency valve, switch or device shall work in the absence of power.

P. Emergency Exits and Emergency Exit Alarm Systems

- 1.** All Any installed emergency exits and all exit alarm systems shall comply with the requirements of FMVSS No. 217.
- 2.** The upper portion of the emergency door shall be equipped with approved safety glazing, the exposed area of which shall be at least 400 square inches. The lower portion of the rear emergency doors on Types A-2, B, C, and D vehicles shall be equipped with a minimum of 350 square inches of approved safety glazing.
- 3.** There shall be no steps leading to an emergency door.
- 4.** The words "EMERGENCY DOOR" or "EMERGENCY EXIT," in letters at least 2" high, shall be placed at the top of or directly above the emergency exit, or on the door in the metal panel above the top glass, both inside and outside the bus.
- 5.** The emergency door(s) shall be equipped with padding at the top edge of each door opening. Padding shall be at least three inches wide and one inch thick, and shall extend the full width of the door opening.
- 6.** There shall be no obstruction higher than ¼ inch across the bottom of any emergency door opening. Fasteners used within the emergency exit opening, shall be free of sharp edges or burrs.
- 7.** ~~Operation instructions shall be located at or near the emergency door exit release handle, both inside and outside of the bus.~~ In accordance with Federal Regulations Title 49 CFR 571.217 each school bus shall have the designation "Emergency Door" or "Emergency Exit," as appropriate, in letters at least two inches high, of a color that contrasts with its background. For emergency exit doors, the designation shall be located at the top of, or directly above, the emergency exit door on both the inside and outside surfaces of the bus. Concise operating instructions describing the motions necessary to unlatch and open the emergency exit shall be located within six inches of the release mechanism on the inside surface of the bus. These instructions shall be in letters at least half an inch high and of a color that contrasts with its background. Examples: (1) Lift to Unlatch, Push to Open (2) Turn Handle, Push Out to Open. Outside may consist of a black arrow pointing in direction of handle travel. No other lettering shall obstruct or interfere with the placement of operation instructions mounted on the interior or exterior of the emergency exit door.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

8. The rear emergency window shall have an assisted lifting assistance device that will aid in lifting and holding the rear emergency window open.
9. Each emergency exit door of a school bus shall be equipped with a positive door opening device that, after the release mechanism has been operated, bears the weight of the door; Keeps the door from closing past the point at which the door is perpendicular to the side of the bus body, regardless of the body's orientation; and provides a means for release or override. The positive door opening device shall perform without the need for additional action beyond opening the door past the point at which the door is perpendicular to the side of the bus body. (Title 49 CFR 571.217)
10. Types A, B, C and D vehicles shall be equipped with a total number of emergency exits as follows for the indicated capacities of vehicles. Exits required by FMVSS 217 may be included to comprise the total number of exits specified.
- | | |
|---------------------|--|
| 0 to 42 Passengers | = 1 emergency exit per side and 1 roof hatch. |
| 43 to 78 Passengers | = 2 emergency exits per side and 2 roof hatches. |
| 79 to 90 Passengers | = 3 emergency exits per side and 2 roof hatches. |
11. Side emergency exit windows, when installed, may be vertically hinged on the forward side of the window. Operation instructions shall be clearly readable of a contrasting color, and be located within 6" of the release mechanism. No side emergency exit window will be located above a stop arm. Emergency exit doors, side emergency exit windows and emergency exit roof hatches shall be strategically located for optimal egress during an emergency evacuation of the bus.
12. Emergency exit doors shall include an alarm system that includes an audible warning device at the emergency door exit and also in the driver's compartment. Emergency exit side windows shall include an alarm system that includes an audible warning device in the driver's compartment. Roof hatches do not require an alarm system, but if so equipped, they must be operable and include an audible warning device in the driver's compartment.
13. Vandal lock may be installed, if applicable, the interlock and vandal lock should be interconnected. (Look more closely into language, roof hatches?)

Q. **Emergency Equipment**

1. *Fire extinguisher:*

- a. The bus shall be equipped with at least one UL-approved pressurized, dry chemical fire extinguisher complete with hose. The extinguisher shall be mounted and secured in a bracket, located in the driver's compartment and readily accessible to the driver and passengers. A pressure gauge shall be mounted on the extinguisher and be easily read without moving the extinguisher from its mounted position. Fire extinguisher shall be mounted in such a way as to prevent the entanglement of clothing, backpack straps, drawstrings, etc.
- b. The fire extinguisher shall have a total rating of 2A10BC or greater. The operating mechanism shall be sealed with a type of seal (breakable) that will not interfere with the use of the fire extinguisher.

2. *First-aid kit:*

- a. The bus shall have a removable, moisture-proof and dust-proof first aid kit sealed with a breakable type seal and mounted in the driver's compartment in a location that is physically accessible to all drivers. It shall be properly mounted and secured and identified as a first aid kit. The location for the first aid kit shall be marked. First-aid kit shall be mounted in such a way as to prevent the entanglement of clothing, backpack straps, drawstrings, etc.
- b. Contents shall, at a minimum, include:
 - (1) 2 - 1 inch x 2 1/2 yards adhesive tape rolls
 - (2) 24 - sterile gauze pads 3 inches x 3 inches
 - (3) 100 - 3/4 inch x 3 inches adhesive bandages
 - (4) 8 - 2 inch bandage compress
 - (5) 10 - 3 inch bandage compress
 - (6) 2 - 2 inch x 6 feet sterile gauze roller bandages
 - (7) 2 - non-sterile triangular bandages approximately 39 inches x 35 inches x 54 inches with 2 safety pins

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- (8) 3 - sterile gauze pads 36 inches x 36 inches
- (9) 3 - sterile eye pads
- (10) 1 - rounded-end scissors
- (11) 1 - mouth-to-mouth airway
- (12) 1 - pair medical examination gloves

3. *Body fluid clean-up kit:*

- a. Each bus shall have a removable and moisture-proof body fluid clean-up kit. It shall be sealed with a breakable type seal. It shall be properly mounted in the driver's compartment in a location that is physically accessible to all drivers and identified as a body fluid clean-up kit. Body fluid clean-up kit shall be mounted in such a way as to prevent the entanglement of clothing, backpack straps, drawstrings, etc.
- b. Contents shall, at a minimum, include:
 - (1) 1 - pair medical examination gloves
 - (2) Absorbent
 - (3) 1 - scoop
 - (4) 1 - scraper or hand broom
 - (5) Disinfectant
 - (6) 2 - plastic bags

4. *Warning devices:*

Each school bus shall contain at least three (3) reflectorized triangle road warning devices that meet requirements in FMVSS 125. The warning device(s) shall be enclosed in an approved box that shall be sealed with a breakable type seal. The warning device(s) and approved box shall be mounted in an accessible place within the driver's compartment of the bus and shall be mounted in such a way as to prevent the entanglement of clothing, backpack straps, drawstrings, etc. The lid of the approved box may be designed so as to reveal the contents of the box without opening the lid.

5. Any of the emergency equipment may be mounted in an enclosed compartment, provided the compartment is labeled in not less than one-inch letters, identifying each piece of equipment contained therein.
6. Tape(s) and silicone sealants do not meet breakable type seal requirement. Breakable type seal(s) shall be replaced as appropriate and necessary and also during every annual school bus inspection following a thorough inspection for deterioration and required contents.
7. Ignitable flares and axes are not allowed on school buses.

R. Floors

1. The floor in the under-seat area, including tops of wheelhousing, driver's compartment and toeboard, shall be covered with rubber floor covering or equivalent, having a minimum overall thickness of .125 inch, and a calculated burn rate of 0.1 or less, using the test methods, procedures and formulas listed in FMVSS No. 302. The driver's area on all Type A buses may be manufacturer's standard flooring and floor covering.
2. The floor covering in the aisles shall be of aisle-type rubber or equivalent, wear-resistant and ribbed. Minimum overall thickness shall be .187 inch measured from tops of ribs.
3. The floor covering must be permanently bonded to the floor and must not crack when subjected to sudden changes in temperature. Bonding or adhesive material shall be waterproof and shall be a type recommended by the manufacturer of floor-covering material. All seams must be sealed with waterproof sealer.
4. On Types B, C and D buses, a flush-mounted, screw-down plate that is secured and sealed shall be provided to access the fuel tank sending unit and /or fuel pump. This plate shall not be installed under flooring material.
5. ~~Low profile heaters are not allowed within the clear floor area required to accommodate a wheelchair.~~

S. Handrails

At least one handrail shall be installed. The handrail(s) shall assist passengers during entry or exit, and be designed to prevent

entanglement, as evidenced by the passage of the NHTSA string and nut test, as defined in National School Transportation Specifications & Procedures School Bus Inspection.

I. Heaters and Air Conditioning Systems

1. Heating System:

- a.** The heater shall be hot water and/or combustion type.
- b.** If only one heater is used, it shall be fresh-air or combination fresh-air and recirculation type.
- c.** If more than one heater is used, additional heaters may be recirculating air type.
- d.** The heating system shall be capable of maintaining bus interior temperatures as specified in SAE test procedure J2233.
- e.** ~~Buses shall be equipped with a switch that will cut all power to radio and fans for noise suppression purposes and it shall be mounted within easy reach of the driver.~~
- f.** Auxiliary fuel-fired heating systems (non-reimbursable) are permitted, provided they comply with the following:
 - (1)** The auxiliary heating system fuel shall utilize the same type fuel as specified for the vehicle engine.
 - (2)** The heater(s) may be direct hot air or connected to the engine's coolant system.
 - (3)** An auxiliary heating system, when connected to the engine's coolant system, may be used to preheat the engine coolant or preheat and add supplementary heat to the bus's heating system.
 - (4)** Auxiliary heating systems must be installed pursuant to the manufacturer's recommendations and shall not direct exhaust in such a manner that will endanger bus passengers.
 - (5)** Auxiliary heating systems which operate on diesel fuel shall be capable of operating on #1, #2 or blended diesel fuel without the need for system adjustment.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- (6) The auxiliary heating system shall be low voltage.
- (7) Auxiliary heating systems shall comply with all applicable FMVSSs, including FMVSS No. 301, as well as with SAE test procedures.
- g. All forced air heaters installed by body manufacturers shall bear a name plate that indicates the heater rating in accordance with SBMTC-001. The plate shall be affixed by the heater manufacturer and shall constitute certification that the heater performance is as shown on the plate. Low profile heaters are not allowed within the clear floor area required to accommodate a wheelchair.
- h. Portable heaters shall not be allowed within a bus.
- i. Heater hoses shall be adequately supported to guard against excessive wear due to vibration. The hoses shall not dangle or rub against the chassis or any sharp edges and shall not interfere with or restrict the operation of any engine function. Heater hoses shall conform to SAE J20c. Heater lines on the interior of bus shall be shielded to prevent scalding of the driver or passengers. All heater hose shields shall completely cover all parts of the hose and connectors in such a way as to prevent burning subsequent to significant heat transferring to the shield. They shall not incorporate any openings that would allow a passenger to be injured by sharp edges or hot surfaces.
- j. Each hot water system installed by a body manufacturer shall include one shut-off valve in the pressure line and one shut-off valve in the return line with both valves at the engine in an accessible location, except that on all Types A and B buses, the valves may be installed in another accessible location.
- k. ~~There shall be a water flow regulating valve installed in the pressure line for convenient operation by the driver while seated.~~
All heaters in the passenger compartment shall be equipped with a device, installed in the hot water pressure line, which regulates the water flow to all passenger heaters. The device shall be conveniently operated by the driver while seated. The driver and passenger heaters may operate independently of each other for maximum comfort.
- l. All combustion heaters shall be in compliance with current Federal Motor Carrier Safety Administration Regulations.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- m. Accessible bleeder valves shall be installed in an appropriate place in the return lines of body company-installed heaters to remove air from the heater lines.
- n. Access panels shall be provided to make heater motors, cores, and fans readily accessible for service. An outside access panel may be provided for the driver's heater.

2. *Air Conditioning (Non-Reimbursable Option Except When Driven By IEP):*

- a. The following specifications are applicable to all types of school buses that may be equipped with air conditioning. This section is divided into two parts: Part 1 covers performance specifications and Part 2 covers other requirements applicable to all buses.

b. **Part 1 - Performance Specifications:**

- (1) The installed air conditioning system should cool the interior of the bus down to at least 80 degrees Fahrenheit, measured at a minimum of three points, located four feet above the floor at the longitudinal centerline of the bus. The three points shall be: (1) near the driver's location, (2) at the mid point of the body, and (3) two feet forward of the rear emergency door, or, for Type D rear-engine buses, two feet forward of the end of the aisle.
- (2) The test conditions under which the above performance must be achieved shall consist of: (1) placing the bus in a room (such as a paint booth) where ambient temperature can be maintained at 100 degrees Fahrenheit (2) heat soaking the bus at 100 degrees Fahrenheit with windows open for at least one hour and (3) closing windows, turning on the air conditioner with the engine running at the chassis manufacturer's recommended low idle speed, and cooling the interior of the bus to 80 degrees Fahrenheit or lower within a maximum of 30 minutes while maintaining 100 degrees Fahrenheit outside temperature.
- (3) Alternately, and at the user's discretion, this test may be performed under actual summer conditions, which consist of temperatures above 85 degrees Fahrenheit, humidity above 50 percent with normal sun loading of the bus and the engine running at the manufacturer's recommended low idle speed. After a minimum of one hour of heat soaking, the system shall be turned on and must provide a

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

minimum 20-degree temperature drop in the 30-minute time limit.

- (4) The manufacturer shall provide facilities for the user or user's representative to confirm that a pilot model of each bus design meets the above performance requirements.

c. **Part 2 - Other Requirements:**

- (1) Evaporator cases, lines and ducting (as equipped) shall be designed in such a manner that all condensation is effectively drained to the exterior of the bus below the floor level under all conditions of vehicle movement and without leakage on any interior portion of bus.
- (2) Any evaporator or ducting system shall be designed and installed so as to be free of injury-prone projections or sharp edges. Any ductwork shall be installed so that exposed edges face the front of the bus and do not present sharp edges.
- (3) On specially equipped school buses, the evaporator and ducting (if used) shall be placed high enough that they will not obstruct occupant securement shoulder strap upper attachment points. This clearance shall be provided along entire length of the passenger area on both sides of the bus interior to allow for potential retrofitting of new wheelchair positions and occupant securement devices throughout the bus.
- (4) The body may be equipped with insulation, including sidewalls, roof, firewall, rear, inside body bows and plywood or composite floor insulation to aid in heat dissipation and reflection.
- (5) All glass (windshield, service entrance and emergency doors, side and rear windows) may be equipped with maximum integral tinting allowed by federal, state or ANSI standards for the respective locations, except that windows rear of the driver's compartment, if tinted shall have approximately 28 percent light transmission.
- (6) Electrical generating capacity shall be provided to accommodate the additional electrical demands imposed by the air conditioning system.

- (7) Roofs may be painted white to aid in heat dissipation, according to National School Transportation Specifications & Procedures Placement of Reflective Markings.

U. **Hinges**

All exterior metal door hinges which do not have stainless steel, brass or nonmetallic hinge pins or other designs that prevent corrosion shall be designed to allow lubrication to be channeled to the center 75 percent of each hinge loop without disassembly.

V. **Identification**

1. The body shall bear the words "SCHOOL BUS" in black letters at least eight inches high on both front and rear of the body or on signs attached thereto. Lettering shall be placed as high as possible without impairment of its visibility. Letters shall conform to "Series B" of Standard Alphabets for Highway Signs. "SCHOOL BUS" lettering shall have a reflective background, or as an option, may be illuminated by backlighting.
2. MFSABs are exempt from these requirements.
3. *Required lettering and numbering shall include:*
 - a. School district owned vehicles will be identified with black lettering (minimum four inches (4") high) on both sides of the school bus using the district name and number listed in the Idaho Educational Directory. Contractor-owned school buses under contract with a school district must also comply with the same identification standards as district-owned buses and shall be identified by either the contractor or district name, as decided by the district.
 - b. Each district-owned or contracted school bus will be separately identified with its own number in two (2) places on each side of the bus in the logo panel/belt line using six inch (6") high black numbers. Numbers on the passenger side shall be as close to the first and last passenger windows as possible and on the driver's side as close to the stop arm and last passenger window as possible.
 - c. Unauthorized entry placards shall be displayed in the most visible location when observed by persons approaching the vehicle with the door in the open position. Permanence of the placard should be a consideration when choosing a location for attachment. Placard shall read as follows:

WARNING

IT IS UNLAWFUL TO:

Enter a school bus with the intent to commit a crime
Enter a school bus and disrupt or interfere with the driver
Refuse to disembark after ordered to do so
(18-1522; 18-113, Idaho Code)

(1) State Department of Education Student Transportation Section may provide unauthorized entry placards.

- d. Other lettering, numbering, or symbols, which may be displayed on the exterior of the bus, shall be limited to:
- e. Bus identification number on the top, front and rear of the bus, in addition to the required numbering on the sides.
- f. The location of the battery(ies) identified by the word "BATTERY" or "BATTERIES" on the battery compartment door in two-inch maximum lettering.
- g. Symbols or letters not to exceed 64 square inches of total display near the entrance ~~service~~ door exterior displaying information for identification by the students of the bus or route served. No symbols, letters, or other signage shall be permitted on the first two passenger windows or on entrance door glass which may block or obscure clear visibility.
- h. All other signage must have prior written SDE approval.
- i. Manufacturer, dealer or school identification or logos displayed so as not to distract significantly from school bus body color and lettering specifications.
- j. Symbols identifying the bus as equipped for or transporting students with special needs (see Specially Equipped School Bus section).
- k. Lettering on the rear of the bus relating to school bus flashing signal lamps or railroad stop procedures. This lettering shall not obscure or interfere with the operation instructions displayed on the exterior portion of the rear emergency exit door.
- l. Identification of fuel type in two-inch maximum lettering adjacent to the fuel filler opening.

- m. One 4" x 10" (maximum) decal promoting school bus safety on rear bumper.

W. Inside Height

Inside body height shall be 72" or more, measured metal to metal, at any point on longitudinal centerline from front vertical bow to rear vertical bow. Inside body height of Type A-1 buses shall be 62" or more.

X. Insulation (Optional)

- 1. If thermal insulation is specified, it shall be fire-resistant, UL approved, with minimum R-value of 5.5. Insulation shall be installed so as to prevent sagging.
- 2. If floor insulation is required, it shall be five-ply nominal 5/8 inch thick plywood, and it shall equal or exceed properties of the exterior-type softwood plywood, C-D Grade, as specified in standard issued by U.S. Department of Commerce. When plywood is used, all exposed edges shall be sealed. Type A-1 buses may be equipped with nominal ½ inch thick plywood or equivalent material meeting the above requirements. Equivalent material may be used to replace plywood, provided it has an equal or greater insulation R-value, deterioration, sound abatement and moisture resistance properties.

Y. Interior

- 1. The interior of bus shall be free of all unnecessary projections, which include luggage racks and attendant handrails, to minimize the potential for injury. This specification requires inner lining on ceilings and walls. If the ceiling is constructed to contain lapped 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. Buses may be equipped with a storage compartment for tools, tire chains and/or tow chains. (see STORAGE COMPARTMENT)
- 2. Non-reimbursable interior overhead storage compartments may be provided if they meet the following criteria:
 - a. Meet head protection requirements of FMVSS 222, where applicable.
 - b. Have a maximum rated capacity displayed for each compartment.

- c. Be completely enclosed and equipped with latching doors which must be sufficient to withstand a force of five times the maximum rated capacity of the compartment.
- d. Have all corners and edges rounded with a minimum radius of one-inch or padded equivalent to door header padding.
- e. Be attached to the bus sufficiently to withstand a force equal to twenty times the maximum rated capacity of the compartment.
- f. Have no protrusions greater than ¼ inch.
- 3. The driver's area forward of the foremost padded barriers will permit the mounting of required safety equipment and vehicle operation equipment. All equipment necessary for the operation of the vehicle shall be properly secured in such a way as to prevent the entanglement of clothing, backpack straps, drawstrings, etc.
- 4. Every school bus shall be constructed so that the noise level taken at the ear of the occupant nearest to the primary vehicle noise source shall not exceed 85 dbA when tested according to National School Transportation Specifications & Procedures Noise Test Procedure.
- 5. ~~Low profile heaters are not allowed within the clear floor area required to accommodate a wheelchair.~~

Z. **Lamps and Signals**

- 1. Interior lamps shall be provided which adequately illuminate the aisle and stepwell. The stepwell light shall be illuminated by an entrance service door-operated switch, to illuminate only when headlights and ~~or~~ clearance lights are on and the entrance service door is open. An additional exterior mounted light shall be mounted next to the entrance service door to adequately illuminate the outside approach to the door. It shall be actuated simultaneously with the stepwell light.
- 2. Body instrument panel lights shall be controlled by an independent rheostat switch.
- 3. *School Bus Alternately Flashing Signal Lamps:*

 - a. The bus shall be equipped with two red lamps at the rear of vehicle and two red lamps at the front of the vehicle.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- b. In addition to the four red lamps described above, four amber lamps shall be installed so that one amber lamp is located near each red signal lamp, at the same level, but closer to the vertical centerline of bus. The system of red and amber signal lamps, when in its operational mode, shall be wired so that amber lamps are energized manually, and red lamps are automatically energized (with amber lamps being automatically de-energized) when stop signal arm is extended or when bus entrance ~~service~~ door is opened. An amber pilot light and a red pilot light shall be installed adjacent to the driver controls for the flashing signal lamp to indicate to the driver which lamp system is activated.
- c. Air and electrically operated doors may be equipped with an override switch that will allow the red lamps to be energized without opening the door, when the alternately flashing signal lamp system is in its operational mode. The use of such a device shall be in conformity with the law and SDE loading/unloading training procedures, as contained in Idaho's school bus driver training curriculum.
- d. The area around the lenses of alternately flashing signal lamps extending outward from the edge of the lamps three inches (+/- ¼ inch) to the sides and top and minimum one inch to the bottom, shall be black in color on the body or roof area against which the signal lamp is seen (from a distance of 500 feet along axis of the vehicle).
- e. Red lamps shall flash at any time the stop signal arm is extended.
- f. All flashers for alternately flashing red and amber signal lamps shall be enclosed in the body in a readily accessible location.

4. *Turn Signal and Stop/Tail Lamps:*

- a. Bus body shall be equipped with amber rear turn signal lamps that are at least seven inches in diameter or, if a shape other than round, a minimum 38 square inches of illuminated area and shall meet FMVSS No. 108. These signal lamps must be connected to the chassis hazard-warning switch to cause simultaneous flashing of turn signal lamps when needed as vehicular traffic hazard warning. Turn signal lamps are to be placed as wide apart as practical and their centerline shall be a maximum of 12 inches below the rear window. Type A-1 conversion vehicle front lamps must be at least 21 square inches in lens area and must be in the manufacturer's standard color.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- b.** Buses shall be equipped with amber side-mounted turn signal lights. One turn signal lamp on the left side shall be mounted rearward of the stop signal arm and one turn signal lamp on the right side shall be mounted rearward of the entrance service door. Both front side-mounted turn signal lamps shall be mounted forward of the bus center-line. An additional side mounted turn signal lamp may be mounted on each side of the bus to the rear of the bus center-line.
- c.** Buses shall be equipped with four combination red stop/tail lamps:
- (1)** Two combination lamps with a minimum diameter of seven inches, or if a shape other than round, a minimum 38 square inches of illuminated area shall be mounted on the rear of the bus just inside the turn signal lamps.
- (2)** Two combination lamps with a minimum diameter of four inches, or if a shape other than round, a minimum of 12 square inches of illuminated area, shall be placed on the rear of the body between the beltline and the floor line. The rear license plate lamp may be combined with one lower tail lamp. Stop lamps shall be activated by the service brakes and shall emit a steady light when illuminated. Type A-1 buses with bodies supplied by chassis manufacturer may be equipped with manufacturer's standard stop and tail lamps.
- d.** On buses equipped with a monitor for the front and rear lamps of the school bus, the monitor shall be mounted in full view of the driver. If the full circuit current passes through the monitor, each circuit shall be protected by a fuse or circuit breaker or electronic protection device against any short circuit or intermittent shorts.
- e.** An optional white flashing strobe light may be installed on the roof of a school bus, at a location not to exceed 1/3 the body length forward from the rear of the roof edge. The light lamp shall have a single clear lens emitting light 360 degrees around its vertical axis and may not extend above the roof more than maximum legal height. A manual switch and a pilot light lamp shall be included to indicate when light lamp is in operation. Operation of the strobe light lamp is limited to periods of inclement weather, nighttime driving, emergency situation or whenever students are on-board. Optionally, the strobe light may be mounted on the roof in the area directly over the restraining barrier on the driver's side, may be wired to activate with the amber alternately flashing signal lamps, continuing through the full loading or unloading cycle, and may be

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

equipped with an override switch to allow activation of the strobe at any time for use in inclement weather, nighttime driving or emergency situation.

- f. The bus body shall be equipped with two white rear backup lamp signals that are at least four inches in diameter or, if a shape other than round, a minimum of 12 square inches of illuminated area, meeting FMVSS No. 108 and Idaho Code 49-920. If backup lamps are placed on the same horizontal line as the brake lamps and turn signal lamps, they shall be to the inside.

AA. Metal Treatment

1. All metal except high-grade stainless steel or aluminum used in construction of the bus body shall be zinc-coated or aluminum-coated or treated by an equivalent process before bus is constructed. Included are such items as structural members, inside and outside panels, door panels and floor sills. Excluded are such items as door handles, grab handles, interior decorative parts and other interior plated parts.
2. All metal parts that will be painted, in addition to the above requirements, shall be chemically cleaned, etched, zinc phosphate-coated and zinc chromate-or epoxy-primed, or the metal may be conditioned by an equivalent process. This includes but not limited to such items as crossing arm and stop arm.
3. In providing for these requirements, particular attention shall be given to lapped surfaces, welded connections of structural members, cut edges on punched or drilled hole areas in sheet metal, closed or box sections, unvented or undrained areas and surfaces subjected to abrasion during vehicle operation.
4. As evidence that the above requirements have been met, samples of materials and sections used in the construction of the bus body shall be subjected to a cyclic corrosion testing as outlined in SAE J1563 ~~not lose more than 10 percent of material by weight when subjected to a 1,000-hour salt spray test as provided for in the latest revision of ASTM Standard B-117.~~

BB. Mirrors

1. 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 mirror shall have rounded corners and protected edges. All Type A buses shall have a minimum of a six-inch x 16-

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

inch mirror and Types B, C, and D buses shall have a minimum of a six-inch x 30-inch mirror.

2. Each school bus shall be equipped with exterior mirrors meeting the requirements of FMVSS No. 111. Mirrors shall be easily adjustable but shall be rigidly braced so as to reduce vibration. The right side rear view mirror shall not be obscured by the un-wiped portion of the windshield.
3. Heated external mirrors may be used.
4. Remote controlled external rear view mirrors may be used.

CC. Mounting

1. The chassis frame shall support the rear body cross member. The bus body shall be attached to chassis frame at each main floor sill, except where chassis components interfere, in such a manner as to prevent shifting or separation of the body from the chassis under severe operating conditions.
2. Isolators shall be installed at all contact points between body and chassis frame on Types A-2, B, C, and D buses, and shall be secured by a positive means to the chassis frame or body to prevent shifting, separation, or displacement of the isolators under severe operating conditions.

DD. Overall Length

Overall length of bus shall not exceed 45 feet, excluding accessories.

EE. Overall Width

Overall width of bus shall not exceed 102 inches, excluding accessories.

FF. Public Address System

1. Buses may be equipped with AM/FM audio and/or public address system having interior or exterior speakers.
2. No internal speakers, other than the driver's communication systems, may be installed within four feet of the driver's seat back in its rearmost upright position.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

3. ~~Buses shall be equipped with a switch that will cut all power to radio and fans for noise suppression purposes and it shall be mounted within easy reach of the driver.~~

GG. Reflective Material (See National School Transportation Specifications & Procedures Placement of Reflective Markings)

1. The front and/or rear bumper may be marked diagonally 45 degrees down to centerline of pavement with two-inch $\pm \frac{1}{4}$ inch wide strips of non-contrasting reflective material.
2. The rear of bus body shall be marked with strips of reflective NSBY material to outline the perimeter of the back of the bus using material which conforms to the requirements of FMVSS No. 131, Table 1. The perimeter marking of rear emergency exits per FMVSS No. 217 and/or the use of reflective "SCHOOL BUS" signs partially accomplish the objective of this requirement. To complete the perimeter marking of the back of the bus, strips of at least one and three-quarters (1 $\frac{3}{4}$) inch reflective NSBY material shall be applied horizontally above the rear windows and above the rear bumper, extending from the rear emergency exit perimeter, marking outward to the left and right rear corners of the bus. Vertical strips shall be applied at the corners connecting these horizontal strips.
3. "SCHOOL BUS" signs, if not of lighted design, shall be marked with retroreflective NSBY material comprising background for lettering of the front and/or rear "SCHOOL BUS" signs.
4. Sides of bus body shall be marked with at least one and three-quarters (1 $\frac{3}{4}$) inch retroreflective NSBY material, extending the length of the bus body and located (vertically) between the floor line and the beltline.
5. Signs, if used, placed on the rear of the bus relating to school bus flashing signal lamps or railroad stop procedures may be of retroreflective NSBY material comprising background for lettering.

HH. Rub Rails

1. There shall be one rub rail located on each side of the bus approximately at seat cushion level which extends from the rear side of the entrance door completely around the bus body (except the emergency door or any maintenance access door) to the point of curvature near the outside cowl on the left side.
2. There shall be one additional rub rail located on each side at, or no more than ten inches above the floor line. The rub rail shall cover the

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

same longitudinal area as upper rub rail, except at the wheelhousings, and it shall, at a minimum, extend to radii of the right and left rear corners.

3. Both rub rails shall be attached at each body post and all other upright structural members.
4. Each rub rail shall be four inches or more in width in their finished form, shall be constructed of 16-gauge steel or suitable material of equivalent strength and shall be constructed in corrugated or ribbed fashion. Each entire rub rail shall be black in color.
5. Both rub rails shall be applied outside the body or outside the body posts. Pressed-in or snap-on rub rails do not satisfy this requirement. For Type A-1 vehicles using the body provided by the chassis manufacturer or for Types A-2, B, C and D buses using the rear luggage or the rear engine compartment, rub rails need not extend around the rear corners.
6. There shall be a rub rail or equivalent bracing located horizontally at the bottom edge of the body side skirts.

II. Seats and Restraining Barriers

1. Passenger Seating:

- a. All seats shall have a minimum cushion depth of 15 inches, a seat back height of 24 inches above the seating reference point, and must comply with all requirements of FMVSS No. 222. School bus design capacities shall be in accordance with 49 CFR, Part 571.3 and FMVSS No. 222. In addition to the fastener that forms the pivot for each seat retaining clip, a secondary fastener may be used in each clip to prevent the clip from rotating and releasing the seat cushion unintentionally.
- b. All restraining barriers and passenger seats may be constructed with non-reimbursable materials that enable them to meet the criteria contained in the School Bus Seat Upholstery Fire Block Test (National School Transportation Specifications & Procedures School Bus Seat Upholstery Fire Block Test).
- c. Each seat leg shall be secured to the floor by a minimum of two bolts, washers, and nuts. Flange-head nuts may be used in lieu of nuts and washers, or seats may be track-mounted in conformance with FMVSS No. 222. If track seating is installed, the manufacturer shall supply minimum and maximum seat spacing dimensions

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

applicable to the bus, which comply with FMVSS No. 222. This information shall be on a label permanently affixed to the inside passenger compartment of the bus.

- d. All seat frames attached to the seat rail shall be fastened with two bolts, washers and nuts or flange-head nuts.
- e. All school buses (including Type A) shall be equipped with restraining barriers which conform to FMVSS No. 222.
- f. The use of a "flip seat" adjacent to any side emergency door is prohibited.

2. *Pre School Age Seating:*

When installed, all passenger seats designed to accommodate a child or infant carrier seat shall comply with FMVSS No. 225. These seats shall be in compliance with NHTSA's "Guideline for the Safe Transportation of Pre-school Age Children in School Buses".

3. *Driver Seat:*

- a. The driver's seat supplied by the body company shall be a high back seat with a minimum seat back adjustable to 15 degrees, without requiring the use of tools, and a head restraint to accommodate a 5th percentile female to a 95th percentile adult male, as defined in FMVSS No. 208. The driver's seat shall be secured with nuts, bolts and washers or flanged-head nuts.
- b. Type A buses may use the standard driver's seat provided by the chassis manufacturer.

4. *Driver Restraint System:*

- a. A Type 2 lap/shoulder belt shall be provided for the driver. On buses where the driver's seat and upper anchorage for the shoulder belt are both attached to the body structure, a driver's seat with an integrated Type 2 lap/shoulder belt may be substituted. On buses where the driver's seat and upper anchorage for the shoulder belt are separately attached to both body and chassis structures (i.e., one attached to the chassis and the other attached to the body), a driver's seat with an integrated Type 2 lap/shoulder belt should be used.
- b. The assembly shall be equipped with an automatic emergency locking retractor for the continuous belt system. On all buses

except Type A equipped with a standard chassis manufacturer's driver's seat, the lap portion of the belt system shall be guided or anchored to prevent the driver from sliding sideways under it. The lap/shoulder belt shall be designed to allow for easy adjustment in order to fit properly and to effectively protect drivers varying in size from 5th percentile adult female to 95th percentile adult male.

- c.** Each bus shall be equipped with a durable webbing cutter having a full width handgrip and a protected, replaceable or non-corrodible blade. The required belt cutter shall be mounted in a location accessible to the seated driver in an easily detachable manner.

JJ. Steering Wheel

See Chassis section.

KK. Steps

- 1.** The first step at **entrance** ~~service~~ door shall be not less than ten inches and not more than 14 inches from the ground when measured from top surface of the step to the ground, based on standard chassis specifications, except that on Type D vehicles, the first step at the **entrance** ~~service~~ door shall be 12 inches to 16 inches from the ground. On chassis modifications which may result in increased ground clearance (such as four-wheel drive) an auxiliary step shall be provided to compensate for the increase in ground-to-first-step clearance. The auxiliary step is not required to be enclosed.
- 2.** Step risers shall not exceed a height of ten inches. When plywood is used on a steel floor or step, the riser height may be increased by the thickness of the plywood.
- 3.** OEM steps shall be enclosed to prevent accumulation of ice and snow.
- 4.** OEM, retrofit, or after-market steps shall not protrude beyond the side body line, except during the loading or unloading of passengers.

LL. Step Treads

- 1.** All steps, including the floor line platform area, shall be covered with 3/16 inch rubber floor covering or other materials equal in wear and abrasion resistance to top grade rubber.
- 2.** The metal back of the tread shall be permanently bonded to the step tread material.

- 3.** Steps, including the floor line platform area, shall have a one ½-inch nosing that contrasts in color by at least 70 percent measured in accordance with the contrasting color specification in 36 CFR, Part 1192 ADA, Accessibility Guidelines for Transportation Vehicles.
- 4.** Step treads shall have the following characteristics:
- 5.** Abrasion resistance: Step tread material weight loss shall not exceed 0.40 percent, as tested under ASTM D-4060, Standard Test Method for Abrasion Resistance of Organic Coatings by the Taber Abraser; (CS-17 Wheel, 1000 gram, 1000 cycle)
- 6.** Weathering resistance: Step treads shall not break, crack, or check after ozone exposure (7 days at 50 phm at 40 degrees C) and Weatherometer exposure (ASTM D-750, Standard Test Method for Rubber Deterioration in Carbon-Arc Weathering Apparatus, 7 days)
- 7.** Flame Resistance: Step treads shall have a calculated burn rate of .01 or less using the test methods, procedures and formulas listed in FMVSS No. 302, Flammability of Interior Materials

MM. Stirrup Steps

When the windshield and lamps are not easily accessible from the ground, there may be at least one folding stirrup step or recessed foothold and suitably located handles on each side of the front of the body for easy accessibility for cleaning. Steps are permitted in or on the front bumper in lieu of the stirrup steps, if the windshield and lamps are easily accessible for cleaning from that position.

NN. Stop Signal Arm

The stop signal arm(s) shall comply with the requirements of FMVSS No. 131.

OO. Storage Compartment (Optional)

A storage container for tools, tire chains, and/or tow chains may be located either inside or outside the passenger compartment. If inside, it shall have a cover capable of being securely latched and fastened to the floor (the seat cushion may not serve this purpose), convenient to either the entrance service door or the emergency door.

PP. Sun Shield

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- 1.** An interior adjustable transparent sun shield, with a finished edge and not less than six inches by 30 inches for Types B, C, and D vehicles, shall be installed in a position convenient for use by the driver.
- 2.** On all Type A buses, the sun shield (visor) shall be installed according to the manufacturer's standard.

QQ. Tail Pipe

- 1.** The tailpipe may be flush with, but shall not extend out more than two inches beyond, the perimeter of the body for side-exit pipe or the bumper for rear-exit pipe.
- 2.** The tailpipe shall exit to the left or right of the emergency exit door in the rear of vehicle or to the left side of the bus in front or behind the rear drive axle. The tailpipe exit location on school bus types A-1 or B-1 buses may be according to the manufacturer's standard. The tailpipe shall not exit beneath any fuel filler location or beneath any emergency door.

RR. Tow Attachment Points

- 1.** Rear towing devices (i.e. tow hooks, tow eyes, or other designated towing attachment points) shall be furnished to assist in the retrieval of buses that are stuck and/or for towing buses when a wrecker with a "wheel lift" or an "axle lift" is not available or cannot be applied to the towed vehicle.
- 2.** Towing devices shall be attached to the chassis frame either by the chassis manufacturer or in accordance with the chassis manufacturer's specifications.
- 3.** Each rear towing device shall have a strength rating of 13,500 pounds with the force applied in the rearward direction, parallel to the ground, and parallel to the longitudinal axis of the chassis frame rail.
- 4.** The towing devices shall be mounted such that they do not project rearward of the rear bumper.

SS. Traction Assisting Devices (Optional)

- 1.** Where required or used, sanders shall:
 - a.** Be of hopper cartridge-valve type.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- b. Have a metal hopper with all interior surfaces treated to prevent condensation of moisture.
 - c. Be of at least 100 pound (grit) capacity.
 - d. Have a cover on the filler opening of hopper, which screws into place, thereby sealing the unit airtight.
 - e. Have discharge tubes extending to the front of each rear wheel under the fender.
 - f. Have non-clogging discharge tubes with slush-proof, non-freezing rubber nozzles.
 - g. Be operated by an electric switch with a telltale pilot light mounted on the instrument panel.
 - h. Be exclusively driver-controlled.
 - i. Have a gauge to indicate that the hopper needs refilling when it reaches one-quarter full.
2. Automatic traction chains may be installed.

II. Trash Container and Holding Device (Optional)

Where requested or used, the trash container shall be secured by a holding device that is designed to prevent movement and to allow easy removal and replacement; and it shall be installed in an accessible location in the driver's compartment, not obstructing passenger use of the entrance service door or the entrance grab handle, and in such a way as to prevent the entanglement of clothing, backpack straps, drawstrings, etc.

UU. Undercoating

- 1. The entire underside of the bus body, including floor sections, cross member and below floor line side panels, shall be coated with rust-proofing material for which the material manufacturer has issued a notarized certification of compliance to the bus body builder that materials meet or exceed all performance and qualitative requirements of paragraph 3.4 of Federal Specification TT-C-520b, using modified test procedures* for the following requirements:
 - a. Salt spray resistance-pass test modified to 5 percent salt and 1000 hours

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- b. Abrasion resistance-pass
 - c. Fire resistance-pass
 - d. *Test panels are to be prepared in accordance with paragraph 4.6.12 of TT-C-520b with modified procedure requiring that test be made on a 48-hour air-cured film at thickness recommended by compound manufacturer.
2. The undercoating material shall be applied with suitable airless or conventional spray equipment to the recommended film thickness and shall show no evidence of voids in the cured film. The undercoating material shall not cover any exhaust components of the chassis.

VV. Ventilation

1. Auxiliary fans shall meet the following requirements:
- a. Fans for left and right sides shall be placed in a location where they can be adjusted for maximum effectiveness and where they do not obstruct vision to any mirror or through any critical windshield area. Note: Type A buses may be equipped with one fan.
 - b. Fans shall be of six inch nominal diameter.
 - c. Fan blades shall be covered with a protective cage. Each fan shall be controlled by a separate switch.
2. ~~Buses shall be equipped with a switch that will cut all power to radio and fans for noise suppression purposes and it shall be mounted within easy reach of the driver.~~
3. The bus body shall be equipped with a suitably controlled ventilating system of sufficient capacity to maintain proper quantity of air under operating conditions without having to open windows except in extremely warm weather.
4. Static-type, non-closeable exhaust ventilation shall be installed, preferably in a low-pressure area of the roof.
5. Roof hatches designed to provide ventilation in all types of exterior weather conditions may be provided.

WW. Wheelhousing

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

1. The wheelhousing opening shall allow for easy tire removal and service.
2. The wheel housings shall be attached to floor sheets in such a manner so as to prevent any dust, water or fumes from entering the body. The wheel housings shall be constructed of at least 16-gauge steel.
3. The inside height of the wheelhousing above the floor line shall not exceed 12 inches.
4. The wheel housings shall provide clearance for installation and use of tire chains on single and dual (if so equipped) power-driving wheels.
5. No part of a raised wheelhousing shall extend into the emergency door opening.

XX. Windows

1. Each full side window, other than emergency exits designated to comply with FMVSS 217, shall provide an unobstructed opening of at least nine inches but not more than 13 inches high and at least 22 inches wide, obtained by lowering the window. One side window on each side of the bus may be less than 22 inches wide. Passenger and driver window frames shall be painted NSBY, black to match body trim, or shall be unpainted aluminum. The area between the passenger and driver window frames shall be NSBY (National School Bus Yellow).
2. Optional tinted (non-reimbursable) and/or frost-free glazing may be installed in all doors, windows, and windshields consistent with federal, state, and local regulations.

YY. Windshield Washers

A windshield washer system shall be provided.

ZZ. Windshield Wipers

1. A ~~two-speed or two-speed with variable speed~~ windshield wiping system with an intermittent time delay feature shall be provided.
2. The wipers shall meet the requirements of FMVSS No. 104.

AAA. Wiring

1. All wiring shall conform to current SAE standards.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- 2.** Wiring shall be arranged in circuits, as required, with each circuit protected by a fuse, breaker or electronic protection device.
- 3.** A system of color and number coding shall be used and an appropriate identifying diagram shall be provided to the end user, along with the wiring diagram provided by the chassis manufacturer. The wiring diagrams shall be specific to the bus model supplied and shall include any changes to wiring made by the body manufacturer. Chassis wiring diagrams shall be supplied to the end user. A system of color and number-coding shall be used on buses. The following body interconnecting circuits shall be color-coded as noted:

<u>FUNCTION</u>	<u>COLOR</u>
Left Rear Directional Lamp	Yellow
Right Rear Directional Lamp	Dark Green
Stop Lamps	Red
Back-up Lamps	Blue
Tail Lamps	Brown
Ground	White
Ignition Feed, Primary Feed	Black

- 4.** The color of cables shall correspond to SAE J 1128.
- 5.** Wiring shall be arranged in at least six regular circuits as follows:
- a.** Head, tail, stop (brake) and instrument panel lamps
 - b.** Clearance lamps and stepwell lamps that shall be actuated when the entrance service door is open
 - c.** Dome lamps
 - d.** Ignition and emergency door signal
 - e.** Turn signal lamps
 - (1)** Alternately flashing signal lamps.
- 6.** Any of the above combination circuits may be subdivided into additional independent circuits.
- 7.** Heaters and defrosters shall be wired on an independent circuit.
- 8.** There shall be a manual noise suppression switch installed in the control panel. The switch shall be labeled and alternately colored. This switch shall be an on/off (a momentary or spring loaded switch does

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

not meet this requirement) type that deactivates body equipment that produces noise, including, at least, the AM/FM radio, two-way communications, heaters, air conditioners, fans and defrosters. This switch shall not deactivate safety systems, such as windshield wipers or lighting systems.

- ~~9. Buses shall be equipped with a switch that will cut all power to radio and fans for noise suppression purposes and it shall be mounted within easy reach of the driver.~~
10. Whenever possible, all other electrical functions (such as sanders and electric-type windshield wipers) shall be provided with independent and properly protected circuits.
11. Each body circuit shall be coded by number or letter on a diagram of circuits and shall be attached to the body in a readily accessible location.
12. The entire electrical system of the body shall be designed for the same voltage as the chassis on which the body is mounted.
13. All wiring shall have an amperage capacity exceeding the design load by at least 25 percent. All wiring splices are to be done at an accessible location and noted as splices on wiring diagram.
14. A body wiring diagram of a size that can be easily read shall be furnished with each bus body or affixed in an area convenient to the electrical accessory control panel.
15. The body power wire shall be attached to a special terminal on the chassis.
16. All wires passing through metal openings shall be protected by a grommet.
17. Wires not enclosed within the body shall be fastened securely at intervals of not more than 18 inches. All joints shall be soldered or joined by equally effective connectors, which shall be water-resistant and corrosion-resistant.
18. Multiplex wiring may exempt manufacturers from some of the above wiring standards.
19. Buses may be equipped with a 12-volt power port in the driver's area.

STANDARDS FOR SPECIALLY EQUIPPED SCHOOL BUSES

A. Introduction

- 1.** Equipping buses to accommodate students with disabilities is dependent upon the needs of the passengers. While one bus may be fitted with a lift, another may have lap belts installed to secure child seats. Buses so equipped are not to be considered a separate class of school bus, but simply a regular school bus that is equipped for special accommodations.

- 2.** The specifications in this section are intended to be supplementary to specifications in the chassis and body sections. In general, specially equipped buses shall meet all the requirements of the preceding sections plus those listed in this section. It is recognized by the entire industry that the field of special transportation is characterized by varied needs for individual cases and by a rapidly emerging technology for meeting those needs. A flexible, “common-sense” approach to the adoption and enforcement of specifications for these vehicles, therefore, is prudent

- 3.** As defined by the Code of Federal Regulations (CFR) 49§571.3, "Bus means a motor vehicle with motive power, except a trailer, designed for carrying more than ten persons" (eleven or more including the driver). This definition also embraces the more specific category, school bus. Vehicles with ten or fewer passenger positions (including the driver) ~~cannot be~~ **are not** classified as buses. For this reason, the federal vehicle classification multipurpose passenger vehicle (CFR 49§571.3), or MPV, must be used by manufacturers for these vehicles in lieu of the classification school bus. The definition of designated seating position in 49 CFR § 571.3 states that, in the case of “vehicles sold or introduced into interstate commerce for purposes that include carrying students to and from school or related events” and which are “intended for securement of an occupied wheelchair during vehicle operation,” each wheelchair securement position shall be counted as four designated seating positions when determining the classification (whether school bus or IMPV). This classification system does not preclude state or local agencies or the National School Transportation Specifications & Procedures from requiring compliance of school bus-type MPVs with the more stringent federal standards for school buses. The following specifications address modifications as they pertain to school buses that, with standard seating arrangements prior to modifications, would accommodate eleven or more including the driver. If by addition of a power lift, mobile seating device positions or other modifications, the capacity is reduced such that vehicles become MPVs, the intent of these standards is to require these vehicles to

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

meet the same standards they would have had to meet prior to such modifications, and such MPVs are included in all references to school buses and requirements for school buses which follow.

B. Definition

A specially equipped school bus is any school bus that is designed, equipped, or modified to accommodate students with special transportation needs.

C. General Requirements

- 4.** School buses designed for transporting students with special transportation needs shall comply with Standards for Idaho School Buses and Operations and with Federal Motor Vehicle Safety Standards (FMVSS) applicable to their Gross Vehicle Weight Rating (GVWR) category.
- 5.** Any school bus to be used for the transportation of children who utilize a wheelchair or other mobile positioning device, or who require life-support equipment that prohibits use of the regular service entrance, shall be equipped with a power lift, unless a ramp is needed for unusual circumstances related to passenger needs.

D. Aisles

All school buses equipped with a power lift shall provide a minimum 30-inch ~~aisle~~ **pathway** leading from any wheelchair/mobility aid position to at least one **30" wide** emergency exit door. A wheelchair securement position shall never be located directly in front of **(blocking)** a power lift door location.

E. Communications

All school buses that are used to transport individuals with disabilities shall be equipped with a two-way electronic voice communication system other than CB radio.

F. Glazing

Tinted glazing may be installed in all doors (non-reimbursable), windows (non-reimbursable), and windshields consistent with federal, state, and local regulations.

G. Identification

Buses with power lifts used for transporting individuals with disabilities shall display below the window line on the lift and rear doors the International Symbol of Accessibility. Such emblems shall be white on blue background,

shall not exceed 12 inches by 12 inches or be less than 4 inches by 4 inches in size, and shall be of a high-intensity reflectorized material meeting Federal Highway Administration (FHWA) FP-85 Standards.

H. Passenger Capacity Rating

In determining the passenger capacity of a school bus for purposes other than actual passenger load (e.g., vehicle classification or various billing/reimbursement models), any location in a school bus intended for securement of an occupied wheelchair/mobility aid during vehicle operations are regarded as four designated seating positions. Similarly, each lift area may be regarded as four designated seating positions.

I. Power Lifts and Ramps

- 1.** The power lift shall be located on the right side of the bus body when not extended. Exception: The lift may be located on the left side of the bus if, and only if, the bus is primarily used to deliver students to the left side of one-way streets.
- 2.** A ramp device may be used in lieu of a mechanical lift if the ramp meets all the requirements of the Americans with Disabilities Act (ADA) as found in 36 CFR §1192.23 Vehicle ramp.
- 3.** A ramp device that does not meet the specifications of ADA but does meet the specifications delineated below may be installed and used, when, and only when, a power lift system is not adequate to load and unload students having special and unique needs. A readily accessible ramp may be installed for emergency exit use. If stowed in the passenger compartment, the ramp must be properly secured and placed away from general passenger contact. It must not obstruct or restrict any aisle or exit while in its stowed or deployed position.
- 4.** All specially equipped school buses ~~vehicles covered by this standard~~ shall provide a level-change mechanism or boarding device (e.g., lift or ramp), complying with the Ramp Section with sufficient clearances to permit a wheelchair or other mobility aid user to reach a securement location.

J. Vehicle Lifts & Installations

- 1.** Vehicle lifts and installations shall comply with the requirements set forth in FMVSS 403, Platform Lift Systems for Motor Vehicles, and FMVSS 404, Platform Lift Installations in Motor Vehicles.

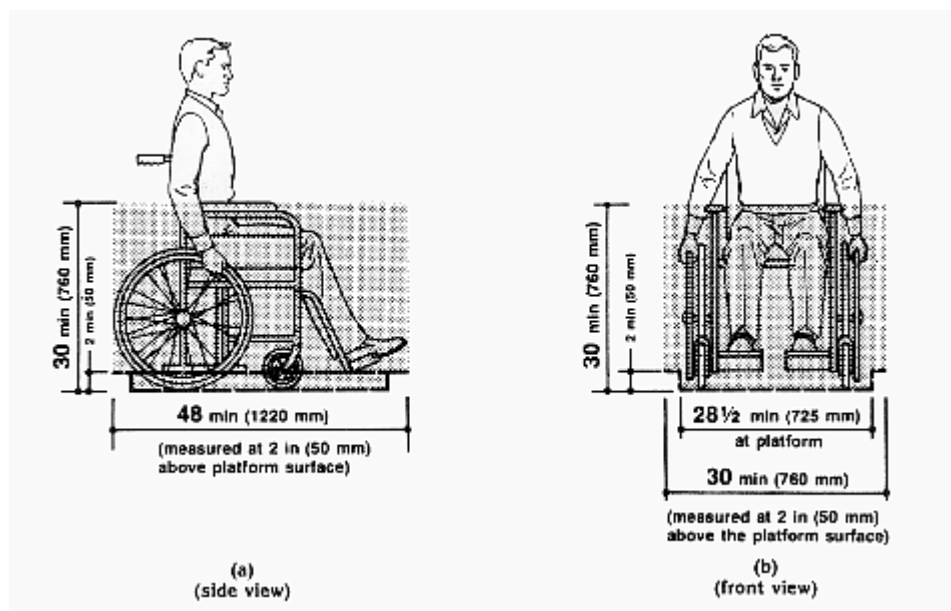
**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

2. The design load of the vehicle lift shall be at least 800 pounds. Working parts, such as cables, pulleys and shafts, which can be expected to wear, and upon which the vehicle lift depends for support of the load, shall have a safety factor of at least six, based on the ultimate strength of the material. Nonworking parts, such as platform, frame and attachment hardware that would not be expected to wear shall have a safety factor of at least three, based on the ultimate strength of the material.
3. The vehicle lifting mechanism and platform shall be capable of operating effectively with a wheelchair and occupant mass of at least 800 pounds.
4. Controls: (See 49 CFR 571.403, S6.7, *Control Systems*)
5. Emergency Operations: (See 49 CFR 571.403, S6.9, *backup Operation*)
6. Power or Equipment Failures: (See 49 CFR 571.403, S6.2.2, *Maximum Platform Velocity*)
7. Platform Barriers: (See 49 CFR 571.403, S6.4.2, S6.4.3, *Platform Requirements*) (See, also "Wheelchair or Mobility Aid Envelope" figure at the end of this section)
8. Platform Surface: (See 49 CFR 571.403, S6.4.2, S6.4.3, Platform Requirements) (See, also "Wheelchair or Mobility Aid Envelope" figure at the end of this subsection)
9. Platform Gaps and Entrance Ramps: (See 49 CFR 571.403, S6.4.4, *Gaps, Transitions, and Openings*)
10. Platform Deflection: (See 49 CFR 571.403, S6.4.5, *Platform Deflection*)
11. Platform Movement: (See 49 CFR 571.403, S6.2.3, *Maximum Platform Acceleration*)
12. Boarding Direction: The lift shall permit both inboard and outboard facing of wheelchair and mobility aid users.
13. Use by Standees: Lifts shall accommodate persons who are using other aids/devices other than a wheelchair (resulting in other than a seated position) who need to use to the lift. Such persons should use a wheelchair or other wheel-based mobility device for boarding or exiting the bus, and then should be transferred to a bus seat for the ride. During lift operations no one shall be allowed to stand on the lift platform, unless otherwise noted in an IEP or 504 in accordance with

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

an aide riding with a student on the lift. ~~walkers, crutches, canes or braces, or who otherwise have difficulty using steps. The platform may be marked to indicate a preferred standing position.~~ Note: This item refers to equipment specifications.

14. Handrails: (See 49 CFR 571.403, S6.4.9, *Handrails*)
15. Circuit Breaker: A resettable circuit breaker shall be installed between the power source and the lift motor if electrical power is used. It shall be located as close to the power source as possible, but not within the passenger/driver compartment.
16. Excessive Pressure: (See 49 CFR 571.403, S6.8 *Jacking Prevention*)
17. Documentation: the following information shall be provided with each vehicle equipped with a lift:
 - a. A phone number where information can be obtained about installation, repair, and parts. (Detailed written instructions and a parts list shall be available upon request.)
 - b. Detailed instructions regarding use of the lift shall be readily visible when the lift door is open, including a diagram showing the proper placement and positioning of wheelchair/mobility aids on the lift.
18. Training Materials: The lift manufacturer shall make training materials available to ensure the proper use and maintenance of the lift. These may include instructional videos, classroom curriculum, system test results or other related materials.
19. Identification and Certification: Each lift shall be permanently and legibly marked or shall incorporate a non-removable label or tag that states it conforms to all applicable requirements of the current National School Transportation Specifications and Procedures. In addition and upon request of the original titled purchaser, the lift manufacturer or an authorized representative shall provide a notarized Certificate of Conformance, either original or photocopied, which states that the lift system meets all the applicable requirements of the current National School Transportation Specifications and Procedures.



K. Vehicle Ramp

1. A ramp device may be used in lieu of a mechanical lift if the ramp meets all the requirements of the Americans with Disabilities Act (ADA) as found in 36 CFR §1192.23, Vehicle ramp.
2. A ramp device that does not meet the specifications of ADA, but does meet the specifications of paragraph 3 (a-d) of National School Transportation Specifications and Procedures (NSTSP of May 2010 Edition), this section, may be installed and used, when, and only when, a power lift system is not adequate to load and unload students having special and unique needs. A readily accessible ramp may be installed for emergency exit use.
3. If a ramp is used, it shall be of sufficient strength and rigidity to support at least 800 lbs. over an area of 26" x 26" ~~the special device, occupant and attendant(s).~~ It shall be equipped with a protective flange on each longitudinal side to keep the special device on the ramp.
4. The surface of the ramp shall be constructed of non-skid material.
5. The ramp shall be equipped with handles and shall be of weight and design to permit one person to put the ramp in place and return it to its storage place. It shall be stored outside the passenger compartment.
6. Ramps used for emergency evacuation purposes may be installed in raised floor buses by manufacturers. They shall not be installed as a substitute for a lift when a lift is capable of serving the need.

L. Regular Service Entrance

1. On power lift-equipped vehicles, the bottom step shall be the full width of the stepwell, excluding the thickness of the doors in open position.
2. In addition to the handrail required in the Bus Body and Chassis section, an additional handrail may be provided on all specially equipped school buses. This rail shall be located on the opposite side of the entrance door from the rail required in the Bus Body and Chassis section and shall meet the same requirements for handrails. ~~A suitable device shall be provided to assist passengers during entry or egress. This device shall allow for easy grasping or holding and shall have no openings or pinch points that might entangle clothing, accessories or limbs.~~

M. Restraining Devices

1. On power lift-equipped vehicles with a GVWR of 10,000 pounds or more, seat frames may be equipped with attachment points to which belt assemblies can be attached for use with child safety restraint systems (CSRSs) that comply with FMVSS No. 213, Child Restraint Systems. Any belt assembly anchorage shall comply with FMVSS No. 210, Seat Belt Assembly Anchorages. Seat frames may be equipped with attachments or devices to which belts, restraining harnesses or other devices may be attached. Attachment framework or anchorage devices, if installed, shall conform to FMVSS No. 210.
 - a. Alternatively, a child restraint anchorage system that complies with FMVSS No. 225, Child Restraint Anchorage Systems, may be installed.
2. Belt assemblies, if installed, shall conform to FMVSS No. 209, Seat Belt Assemblies.
3. Child safety restraint systems, which are used to facilitate the transportation of children who in other modes of transportation would be required to use a child, infant, or booster seat, shall conform to FMVSS No. 213.

N. Seating Arrangements

Flexibility in seat spacing to accommodate special devices shall be permitted to meet passenger requirements. All seating shall be forward-facing, School Bus Passenger Seating and Crash Protection and meet requirements of FMVSS No. 222.

O. **Securement and Restraint System for Wheel Chair/Mobility Aid and Occupant and Wheel Chair Seated Occupants**

1. For purposes of understanding the various aspects and components of this section, the term *securement and tiedown* and the phrases *securement system* or *tiedown system* are used exclusively in reference to the devices that anchor the wheelchair to the vehicle. The term *restraint* and the phrase *restraint system* are used exclusively in reference to the equipment that is intended to limit the movement of the wheelchair occupant in a crash or sudden maneuver. The term *wheelchair tiedown and occupant restraint system (WTORS)* is used to refer to the total system that secures the wheelchair and restrains the wheelchair occupant.

a. **WTORS—General Requirements**

- b. A wheelchair tiedown and occupant restraint system installed in specially equipped school buses shall be designed, installed, and operated for the use with forward-facing wheelchair-seated passengers and shall comply with all applicable requirements of FMVSS 222, *School Bus Passenger Seating and Crash Protection*, and Section 18 of ANSI/RESNA, *Wheelchair Standards*. SAE J2249, Wheelchair Tie Down and occupant restraint systems for use in motor vehicles.

- (1) The WTORS, including the anchorage track, floor plates, pockets or other anchorages, shall be provided by the same manufacturer or shall be certified to be compatible by manufacturers of all equipment/systems used.
- (2) A device for storage of the WTORS shall be provided. When the system is not in use, the storage device shall allow for clean storage of the system, shall keep the system securely contained within the passenger compartment, shall provide reasonable protection from vandalism and shall enable the system to be readily accessed for use.
- (3) The WTORS, including the storage device, shall meet the flammability standards established in FMVSS No. 302, *Flammability of Interior Materials*.
- (4) The following information shall be provided with each vehicle equipped with a securement and restraint system:

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- (5) A phone number where information can be obtained about installation, repair, and parts. (Detailed written instructions and parts list shall be available upon request.)
- (6) Detailed instructions regarding use, including a diagram showing the proper placement of the wheelchair/mobility aids and positioning of securement devices and occupant restraints, including correct belt angles.
- (7) The WTORS manufacturer shall make training materials available to ensure the proper use and maintenance of the WTORS. These may include instructional videos, classroom curriculum, system test results or other related materials.

c. **Wheelchair Securement/Tiedown:** (See CFR 571.403, S5.4.1, S5.4.2)

Each wheelchair position in a specially equipped school bus shall have a minimum clear floor area of 30 inches laterally by 48 inches longitudinally. Additional floor area may be required for some wheelchairs. Consultation between the user and the manufacturer is recommended to insure that adequate area is provided.

d. **Occupant Restraint System:** (See CFR 571.403, S5.4.3, S5.4.4)

P. **Special Light**

Doorways in which lifts are installed shall have for use during lift operation a special light(s) providing a minimum of two foot-candles of illumination measured on the floor of the bus immediately adjacent to the lift.

Q. **Special Service Entrance**

- 1. Power lift-equipped buses shall have a special service entrance to accommodate the power lift.

Exception: If the lift is designed to operate within the regular service entrance, and is capable of stowing such that the regular service entrance is not blocked in any way, and that persons entering or exiting the bus are not impeded in any way, a special service entrance shall not be required.

- 2.** The special service entrance and door shall be located on the right side of the bus and shall be designed so as not to obstruct the regular service entrance.

Exception: A special service entrance and door may be located on the left side of the bus if, and only if, the bus is used primarily to deliver students to the left side of one-way streets and its use is limited to that function.

- 3.** The opening may extend below the floor through the bottom of the body skirt. If such an opening is used, reinforcements shall be installed at the front and rear of the floor opening to support the floor and give the same strength as other floor openings.
- 4.** A drip molding shall be installed above the opening to effectively divert water from entrance.
- 5.** Door posts and headers at the entrance shall be reinforced sufficiently to provide support and strength equivalent to the areas of the side of the bus not used for the special service entrance.

R. Special Service Entrance Doors

- 1.** A single door or double doors may be used for the special service entrance.
- 2.** A single door shall be hinged to the forward side of the entrance unless doing so would obstruct the regular service entrance. If, due to the above condition, the door is hinged to the rearward side of the doorway, the door shall utilize a safety mechanism that will prevent the door from swinging open should the primary door latch fail. If double doors are used, the system shall be designed to prevent the door(s) from being blown open by the wind resistance created by the forward motion of the bus, and/or shall incorporate a safety mechanism to provide secondary protection should the primary latching mechanism(s) fail.
- 3.** All doors shall have positive fastening devices to hold doors in the “open” position.
- 4.** All doors shall be weather sealed.
- 5.** When manually-operated dual doors are provided, the rear door shall have at least a one-point fastening device to the header. The forward-mounted door shall have at least three one-point fastening devices. One shall be to the header, one to the floor line of the body, and the

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

other shall be into the rear door. The door and hinge mechanism shall be of a strength that is greater than or equivalent to the emergency exit door.

6. Door materials, panels and structural strength shall be equivalent to the conventional ~~service~~ entrance and emergency doors. Color, rub rail extensions, lettering and other exterior features shall match adjacent sections of the body.
7. Each door shall have windows set in rubber that are visually similar in size and location to adjacent non-door windows. Glazing shall be of same type and tinting (if applicable) as standard fixed glass in other body locations.
8. Door(s) shall be equipped with a device that will actuate an audible or flashing signal located in the driver's compartment when door(s) is not securely closed and the ignition is in the "on" position.
9. A switch shall be installed so that the lifting mechanism will not operate when the lift platform door(s) is closed.
10. Special ~~service~~ entrance doors shall be equipped with padding at the top edge of the door opening. Padding shall be at least three inches wide and one inch thick and shall extend the full width of the door opening.

S. Support Equipment and Accessories

1. ~~Each bus which is set up to accommodate wheelchair/mobility aids or other assistive or restraint devices that utilize belts shall contain at least one belt cutter properly secured in a location within reach of the driver while belted into his/her driver's seat. The belt cutter shall be durable and designed to eliminate the possibility of the operator or others being cut during use.~~ In addition to the webbing cutter required in the BUS BODY AND CHASSIS section, each specially equipped school bus that is set up to accommodate wheelchairs or other assistive or restraint devices with belts attached shall contain an additional webbing cutter properly secured in a location to be determined by the purchaser. The belt cutter shall meet the requirements listed in the Bus Body and Chassis section.
2. Special equipment or supplies that are used on the bus for mobility assistance, health support or safety purposes shall meet any local, federal or engineering standards that may apply, including proper identification.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- 3.** Equipment that may be used for these purposes includes, but is not limited to:

 - a.** Wheelchairs and other mobile seating devices. (See section on Securement and Restraint System for Wheelchair/~~Mobility Aid~~ and Wheelchair-seated Occupant.)
 - b.** Crutches, walkers, canes and other ambulating devices.
 - c.** Medical support equipment, which may include respiratory devices such as oxygen bottles (which should be no larger than 22 cubic feet for liquid oxygen and 38 cubic feet for compressed gas) or ventilators. Tanks and valves should be located and positioned to protect them from direct sunlight, bus heater vents or other heat sources. Other equipment may include intravenous and fluid drainage apparatus.
- 4.** All portable equipment and special accessory items, including the equipment listed above, shall be secured at the mounting location to withstand a pulling force of five times the weight of the item or shall be retained in an enclosed, latched compartment. The compartment shall be capable of withstanding forces applied to its interior equal to five times the weight of its contents without failure to the box's integrity and securement to the bus. Exception: If these standards provide specific requirements for securement of a particular type of equipment, the specific standard shall prevail (e.g., wheelchairs).

I. Technology and Equipment

It is the intent of these specifications to accommodate new technologies and equipment that will better facilitate the transportation of students with special needs. New technology and equipment is acceptable for use in specially equipped vehicles if:

1. It does not compromise the effectiveness or integrity of any major safety system. (Examples of safety systems include, but are not limited to, compartmentalization, the eight-lamp warning system, emergency exits and the approved color scheme.)
2. It does not diminish the safety of the bus interior.
3. It does not create additional risk to students who are boarding or exiting the bus or are in or near the school bus loading zone.
4. It does not require undue additional activity and/or responsibility for the driver.

5. It generally increases efficiency and/or safety of the bus, generally provides for a safer or more pleasant experience for the occupants and pedestrians in the vicinity of the bus and/or generally assists the driver and makes his/her many tasks easier to perform.

STANDARDS FOR ALTERNATIVE FUELS

A. Introduction

This section is designed to be used as an overview of the alternative fuels being utilized for student school transportation. It is not designed to replace current applicable federal, state, manufacturing or safety specifications that may exceed requirements within this section. There may be advancements in engineering and improvements in equipment fabrication methods and operating practices that differ from those specifically called for in this section. Such deviations or improvements may provide safety and may meet the intent of, and be compatible with, this section. Entities wishing to purchase alternative fuel school buses should use this section only as a starting point. More detailed specifications, including specific design and performance criteria and safety specifications, should be researched by prospective purchasers of alternative-fuel school buses.

B. General Requirements

- 1.** Alternative fuel school buses shall meet the following requirements:
 - a.** Chassis shall meet all standards previously mentioned in BUS CHASSIS STANDARDS.
 - b.** Chassis shall meet all applicable Federal Motor Vehicle Safety Standards (FMVSS).
 - c.** The fuel system integrity shall meet the specified leakage performance standards when impacted by a moving contoured barrier in accordance with test conditions specified in FMVSS No. 301 or FMVSS No. 303, as applicable.
 - d.** Original equipment manufacturers (OEMs) and conversion systems using compressed natural gas (CNG) shall comply with National Fire Protection Association (NFPA) Specification 52 A, "Compressed Natural Gas Vehicular Fuel Systems," in effect at the time of installation. Fuel systems using liquefied petroleum gas (LPG) shall comply with NFPA Specification 58 A, "Liquefied Petroleum Gases Engine Fuel Systems" in effect at the time of installation.
 - e.** All alternative fuel buses shall be capable of traveling not less than 200 miles with a full load, except those powered by electricity shall be capable of traveling not less than 80 miles.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- f. Natural gas-powered buses shall be equipped with an interior/exterior gas detection system. All natural gas-powered buses shall be equipped with an automatic or manual fire detection and suppression system.
- g. All materials and assemblies used to transfer or store alternative fuels shall be installed outside the passenger/driver compartment.
- h. All Types C and D buses using alternative fuels shall meet the same base requirements of BUS CHASSIS STANDARDS for passenger load.
- i. The total weight shall not exceed the GVWR when loaded to rated capacity.
- j. The manufacturer supplying the alternative fuel equipment must provide the owner and operator with adequate training and certification in fueling procedures, scheduled maintenance, troubleshooting and repair of alternative fuel equipment.
- k. All fueling equipment shall be designed specifically for fueling motor vehicles and shall be certified by the manufacturer as meeting all applicable federal, state and industry standards.
- l. All on-board fuel supply containers shall meet all appropriate requirements of the American Society for Mechanical Engineering (ASME) code, DOT regulations or applicable FMVSSs and NFPA standards.
- m. All fuel supply containers shall be securely mounted to withstand a static force of eight times their weight in any direction.
- n. All safety devices that discharge to the atmosphere shall be vented to the outside of the vehicle. The discharge line from the safety relief valve on all school buses shall be located in a manner appropriate to the characteristics of the alternative fuel. Discharge lines shall not pass through the passenger compartment.
- o. A positive quick-acting ($\frac{1}{4}$ turn) shut-off control valve shall be installed in each gaseous fuel supply line, as close as possible to the fuel supply containers. The valve controls shall be placed in a location easily operable from the exterior of the vehicle. The location of the valve control shall be clearly marked on the exterior surface of the bus.

- p. An electrical grounding system shall be required for grounding of the fuel system during maintenance-related venting.
- q. Bio-Diesel must conform to the specifications of ASTM 6751, *Biodiesel Standards*.
- r. High voltage-powered school buses utilizing a high voltage propulsion system (more than 48 nominal volts) shall meet the requirements of FMVSS 305, except for the following:

 - (1) The propulsion power source (batteries, fuel cells, etc.) shall be located outside the passenger compartment.
 - (2) The propulsion power source enclosure shall be constructed to conform to the power source manufacturer's requirements and recommendations.
 - (3) Due to the much larger size and quantities of the propulsion power sources on large vehicles, buses over 10,000 lbs. are permitted to exceed the 5.0 liter spillage constraint of Section S5.1, "Electrolyte damage from propulsion batteries."

C. Characteristics of Alternative Fuels

- 1. For the purpose of this section, alternative fuels refer to the specific fuels listed below. A brief description of each fuel is shown. (See National School Transportation Specifications & Procedures Alternative Fuels Comparison Chart)
- 2. Note: Two other more exotic fuels are being examined, hydrogen and solar power. These two energy sources are in their infancy as alternative fuels for motor vehicles and are not covered within the scope of this section.
- 3. *Liquid Alternative Fuels:*

 - a. Methanol, a liquid at normal ambient temperatures, is colorless, and is made primarily from natural gas or coal. Extensive experiments have been conducted with automobile and truck engines powered by methanol. There are a number of urban transit bus fleets currently using methanol. California has experience with methanol as an alternative fuel for school buses through their School Bus Demonstration Project. The findings clearly determined methanol fuel to be costly to operate and unreliable. (Advantages

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

and disadvantages listed in National School Transportation Specifications and Procedures May 2010 – Alternative Fuels.)

- b. Ethanol is a distilled agricultural alcohol product that is a liquid and is colorless at normal ambient temperatures. Corn is the current primary grain source. It has many of the same characteristics as methanol. Currently, ethanol is used primarily in a mixture with gasoline, usually no more than 10% ethanol.
- c. Clean diesel was one of the alternative fuels approved in the Clean Air Act Amendments of 1990. The first step to be undertaken was further refining to reduce sulfur content and hence the significant particulate emissions caused by the sulfur. Significant advancement in this process has resulted in the development of ultra-low sulfur content diesel fuel. Refinery techniques can now produce diesel fuel with a sulfur content below 15 parts per million (PPM). The availability of this fuel supports the installation of an advanced exhaust after-treatment device in the form of a continuously regenerating trap (CRT). This CRT technology reduces the exhaust particulate content by approximately 90 percent from currently mandated levels (to essentially zero) and the hydrocarbons to an unmeasurable level (to essentially zero). Further steps are being developed to add cetane boosters, which increase efficient combustion. (Advantages and disadvantages listed in National School Transportation Specifications and Procedures May 2010 – Alternative Fuels.)
- d. ~~Biodiesel is a fuel manufactured from vegetable oils, recycled cooking greases, or animal fats. The term “biodiesel” refers to the pure fuel. Biodiesel blends or BXX refers, to a fuel that is composed of XX% biodiesel and XX% diesel fuel. The City of Seattle, for example, has been using B20 which is 20% biodiesel blended with 80% low sulfur diesel. B100 is pure biodiesel. The diesel fuel can be No. 1 or No. 2. Biodiesel and biodiesel blends should only be used in compression ignition engines that are designed to be operated on diesel fuel as described in ASTM 975 or related military specifications. Biodiesel or blends should never be put into a gasoline engine. Biodiesel fuel can be used in compression ignition engines in cars, trucks, construction equipment, boats, generators, and in most other applications where diesel is typically used. Biodiesel fuel is renewable, is domestically produced and is commercially available in all fifty (50) states. It provides similar performance to diesel; has high cetane, high lubricity, high flash point, and is the safest of all fuels to store and handle. Biodiesel has the highest BTU content of any alternative fuel.~~

- e. Reformulated gasoline is a specially blended fuel with the following properties: (1) lower vapor pressure that reduces evaporation during operation and refueling, and (2) more efficient combustion through the addition of high-octane oxygenates. Reformulated gasoline aromatic levels have been lowered, which provides less in the way of hydrocarbon tail pipe emissions. Reformulated gasoline (RFG) is required by the EPA in certain metropolitan areas. However, those areas are becoming fewer. (Advantages and disadvantages listed in National School Transportation Specifications and Procedures May 2010 – Alternative Fuels.)

4. *Gaseous Alternative Fuels:*

- a. Natural gas is primarily methane as it comes from the well, and it burns quite cleanly in its unprocessed state. Natural gas has a higher ignition point (temperature) and a narrower fuel/oxygen mixture combustion range than other fuels. Energy is consumed in processing natural gas to achieve sufficient vehicle storage (i.e., compression or cryogenic processes). (See Compressed Natural Gas and Liquid Natural Gas below.) Natural gas is lighter than air in ambient conditions and does not pool on the ground, a condition that requires buildings used for indoor housing of natural gas vehicles to be adequately ventilated at the ceiling.
- b. Compressed natural gas, or CNG, consists primarily of mixtures of hydrocarbon gases and vapors, consisting principally of methane (CH₄) in gaseous form, which is compressed for use as a vehicular fuel. (Advantages and disadvantages listed in National School Transportation Specifications and Procedures May 2010 – Alternative Fuels.)
- c. Liquid natural gas, or LNG, utilizes the same natural gas source (primarily methane) as CNG, but requires purification of the gas and cooling and storage below -260 degrees Fahrenheit to liquefy the natural gas. Converting natural gas to liquid form provides storage of a much greater amount on the vehicle than can be achieved in the gaseous state. The process of liquefying the natural gas also yields almost pure methane gas with predictable performance characteristics. (Advantages and disadvantages listed in National School Transportation Specifications and Procedures May 2010 – Alternative Fuels.)
- d. Propane, also known as Liquefied Petroleum Gas or LPG, is sometimes available directly from wells, but is normally produced as a by-product of the gasoline refining process. It has been used

for a number of years in light-duty commercial vehicles in urban areas around the world. (Advantages and disadvantages listed in National School Transportation Specifications and Procedures May 2010 – Alternative Fuels.)

- e. Electric Power or the use of electricity as a power source for school buses is an emerging technology that is under considerable research due to the potential for reduced overall emissions. Research is centering on ways to increase the capacity and reduce the weight of batteries, as well as improving the motors used to power the vehicles and the associated electronics. Recharging technology is also developing rapidly. Most of these efforts have the goals of improving the range and performance of electric vehicles, reducing their cost and addressing operational concerns, such as recharging.
- f. Hybrid electric and plug-in hybrid electric vehicles, while technically not an alternative fuel, are treated as such in most federal and state programs due to the novel approach to energy use. Straight hybrid electric vehicles are, by far, the largest and fastest growing sector of alternative fuel vehicles. Plug-in hybrid electric vehicles take advantage of the straight hybrid system, but also allow the user to precharge the battery packs to gain additional range and reduce combustion engine usage. (Advantages and disadvantages listed in National School Transportation Specifications and Procedures May 2010 – Alternative Fuels.)
- g. Biodiesel is a fuel manufactured from vegetable oils, recycled cooking greases, or animal fats. The term “biodiesel” refers to the pure fuel. Biodiesel blends or BXX refers, to a fuel that is composed of XX% biodiesel and XX% diesel fuel. The City of Seattle, for example, has been using B20 which is 20% biodiesel blended with 80% low sulfur diesel. B100 is pure biodiesel. The diesel fuel can be No. 1 or No. 2. Biodiesel and biodiesel blends should only be used in compression-ignition engines that are designed to be operated on diesel fuel as described in ASTM 975 or related military specifications. Biodiesel or blends should never be put into a gasoline engine. Biodiesel fuel can be used in compression-ignition engines in cars, trucks, construction equipment, boats, generators, and in most other applications where diesel is typically used. Biodiesel fuel is renewable, is domestically produced and is commercially available in all fifty (50) states. It provides similar performance to diesel; has high cetane, high lubricity, high flash point, and is the safest of all fuels to store and handle. Biodiesel has the highest BTU content of any alternative fuel.

- h. Clean diesel was one of the alternative fuels approved in the Clean Air Act Amendments of 1990. The first step to be undertaken was further refining to reduce sulfur contents and hence the significant particulate emissions caused by the sulfur. Significant advancement in this process has resulted in the development of ultra-low sulfur content diesel fuel. Refinery techniques can now produce diesel fuel with a sulfur content below 15 parts per million (PPM). The availability of this fuel supports the continuously regenerating filter, known as a diesel particulate filter. This technology reduces the exhaust particulate content by approximately 90 percent from currently mandated levels (to essentially zero). Further steps are being developed to add cetane booster, which increase efficient combustion. (Advantages and disadvantages listed in National School Transportation Specifications and Procedures May 2010 – Alternative Fuels.)

SCHOOL BUS WITHDRAWAL FROM SERVICE STANDARDS

The State Department of Education shall develop, maintain and periodically distribute out-of-service criteria (a matrix), the basis of which shall be the latest published document from the most recent National Conference on School Transportation. The Out-of-Service Matrix shall be subsequent to input from the Student Transportation Steering Committee and new school bus state inspectors, as needed. These standards are intended to ensure that all Idaho school buses are maintained in a safe manner. When inspection of a bus reveals a maintenance condition that is below an out-of-service standard it shall be the duty of the technician performing the inspection to remove the vehicle from service until the discrepancy has been corrected. These standards shall apply to both new and used buses and shall be the criteria used whenever an Idaho school bus is inspected. These standards are to be used whenever a 60-day, Annual or New School Bus Inspection is being performed by state inspectors or district, contractor, or outside contracted maintenance personnel. (33-1506, Idaho Code)

STANDARDS FOR STUDENT TRANSPORTATION OPERATIONS

A. Introduction

The success of any school transportation operation depends largely on the performance and degree of dedication displayed by those involved. The school bus is an extension of the classroom and as such, the ride to school should be safe, efficient in an atmosphere conducive to learning readiness. Open and honest communication between all stakeholders is vital for the success of the transportation program. Transportation is critical to the education process, and the school bus is the safest form of transportation. Therefore, transportation to and from school on a school bus shall be offered to all eligible students. Districts or the governing body responsible for pupil transportation shall have an eligibility policy, which takes safety into account, addressing distances from school for all age groups. If transportation eligibility is maximized, the result will be more students on buses.

B. School Travel Choices

1. Children in the United States travel to and from pre-school, school and related activities by a variety of modes. Administrators, parents and students often choose or encourage the use of modes of travel for reasons other than maximizing safety or minimizing risk (e.g., convenience, flexibility, and budget). **It is recommended that all school students be transported in a school bus.**
2. Each travel mode has its inherent risks, which vary from community to community, school to school and program to program, and any shifts from one mode to another can have a marked effect on the overall safety of travel for a particular community, school or program. The goal is to improve safety for all children traveling to and from pre-school, school and related activities and to provide communities with the information needed to make informed choices that balance their needs and resources.

C. Administration

1. In compliance with 33-1511, Idaho Code, the State Department of Education shall provide the following:
 - a. Leadership in the development of a comprehensive student transportation program for statewide application.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- b.** A state supervisor of student transportation with the staff and resources necessary for optimal job performance.
- c.** A comprehensive school bus operator and school bus technician training program.
- d.** Frequent visits to local school districts and charter schools to audit, inspect, review and evaluate student transportation programs and financial systems (including reimbursement claim accuracy) and provide direction as necessary. Adequate frequency shall be defined as, at least once every three years.
- e.** The supervisor of student transportation, based upon results of program reviews, fiscal audits, and spot inspections as set forth in section 33-1506, Idaho Code, will provide school districts a list of required corrective actions, when necessary (33-1511, Idaho Code).
- f.** Follow-up visits to ensure implementation of corrective action plans. The supervisor of student transportation shall require school districts to submit progress reports on those corrective actions developed by the supervisor of school transportation to the state department of education at prescribed intervals until deficiencies are corrected or the corrective actions no longer apply (33-1511, Idaho Code).
- g.** The supervisor of student transportation may withhold all or a portion of a district's pupil transportation reimbursement funding in instances of noncompliance with the requirements of § 33-1511(6) or § 33-1506 Idaho Codes.
- h.** Managing the state's student transportation program to include planning, budgeting, and forecasting requirements for the operation.
- i.** Collecting and analyzing statistical and financial data.
- j.** Developing, preparing and organizing manuals, handbooks and written training programs for student transportation personnel.

D. Local School District Administration

- 1. The local district responsible for student transportation should supervise the overall transportation operation within the respective district.**

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

2. Assign adequately trained staff responsible for implementing and/or supervising a comprehensive student transportation program.
3. Ensure compliance with federal and state student transportation laws, regulations and policies, including drug/alcohol testing programs as required in the Omnibus Transportation Employee Testing Act of 1991, and in compliance with 49 CFR, Parts 40 and 382.

E. Written Policies

1. In compliance with 33-1501 through 33-1512, Idaho Code, the local board of trustees will establish and adopt a set of written policies governing the student transportation system, including policies for disabled students. Contracting school districts shall ensure compliance to written policies by student transportation contractors. The district's written policies shall, at a minimum, include:
 - a. Student transportation operations, including participation in training programs for all transportation personnel.
 - b. The evaluation of school bus routes and the periodic evaluation of student transportation personnel. The transportation supervisor or the district's school bus driver trainer shall evaluate a minimum of once per year each route and each driver for the purpose of assessing driver performance and the safety of routes and bus stops (*National School Transportation Specifications & Procedures, Identification and Evaluation of School Bus Route and Hazard Marking Systems*). The time schedule for pickup and delivery of children shall be followed as accurately as possible. Documentation of the driver and route evaluation shall be retained in the driver's personnel file. The State Department of Education shall develop and maintain model evaluation procedures and forms.
 - c. The investigation and reporting of accidents and other transportation problems. Drivers shall report all school bus accidents to local school authorities and the appropriate law enforcement agency in accordance with Title 49, Chapter 13 of Idaho Code. Subsequent to the accident or incident, a Uniform School Bus Accident/Injury or appropriate Incident Report Form shall be completed by the driver or transportation supervisor and submitted to the State Department of Education within fifteen (15) days.
 - d. Providing supervision of loading and unloading areas at or near schools during unloading and loading of school buses. School districts shall provide an adequate number of supervisors for the

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

size of the loading area and number of students present and ensure close, continuous and interactive supervision whenever students and/or buses are present in the loading area.

e. ~~Providing emergency training and periodic evacuation drills for students and drivers in accordance with National Highway Safety Program Guideline 17. Documentation of all evacuation drills shall be maintained for a period of three years by the school district in either a batch file or in the driver's individual file.~~ Ensure that instruction in passenger safety, including student participation in emergency evacuation drills, is an integral part of the school curriculum. Instruction should comply with state requirements and/or Federal Highway Safety Guideline 17 and with 45 CFR 1310, as may be applicable. Instruction should include, but not be limited to, the following:

- (1) At least once each school semester, provide all students transported to and from schools in a school bus or multifunction school activity bus with instruction in the location and operation of all emergency exits. Also, provide supervised emergency exit drills to each student transported to or from schools in a school bus or multifunction school activity bus.
- (2) Before departure on each activity trip, provide all students transported in a school bus, school-chartered bus or multifunction school activity bus instruction on the location of all emergency exits and demonstrations of their operation. Instruction should include a general review of safe riding practices, rules and procedures.
- (3) Limit the amount of carry-on items, especially large items such as luggage, coolers, sports/band equipment, etc., in school buses, school-chartered buses or multifunction school activity buses. Aisles and emergency exits in school buses, school-chartered buses and multifunction school activity buses must be kept clear at all times. Any item that is brought on board must be safely stowed and secured away from any aisle or emergency exit.

f. ~~Promoting public understanding of, and support for, the student transportation program in general.~~ Provide the necessary library of resources to ensure that transportation personnel have the proper tools to operate a safe and efficient program. These resources include, but are not limited to:

- (1) Applicable federal, state and local laws, codes and regulations.
- (2) Applicable manuals and guidelines.

(3) On-line connectivity for access to all internet and other resources.

(4) Applicable trade journals and organizations' publications.

g. Provide contract management (if applicable). If a private carrier is utilized in a school transportation operation, it is imperative that a clear partnership is established with all parties. Clear expectations and contract review, along with on-going training, communication and practice/procedure development should be developed with a working partnership in mind.

F. Personnel Qualifications and Training

1. In compliance with Federal Motor Carrier Safety Administration Regulations (Part 383) and 33-130, 33-1508 and 33-1509, Idaho Code, the local board of trustees/administration will establish and adopt a set of written prerequisite qualifications and job descriptions governing student transportation personnel, which shall, at a minimum, include:

a. Completion of an application form, which includes a personal and occupational history.

b. A satisfactory driving record as revealed through pre-employment and annual checks with the state driver licensing division.

c. A satisfactory work history as verified through professional references.

d. The ability to manage resources, students and personnel necessary to achieve a desired objective.

2. Insulin-Treated Diabetes Mellitus

a. In compliance with Federal Motor Carrier Safety Administration Regulations (Parts 381 and 383) and 33-1509, Idaho Code, the State Department of Education Student Transportation Section will establish an exemption process governing student transportation personnel diagnosed with insulin-treated diabetes mellitus (ITDM). In considering exemptions, the Department must ensure that the issuance of diabetes exemptions will not be contrary to the public interest and that the exemption achieves an acceptable level of safety. Therefore, the Department will only consider granting exemptions to ITDM individuals who meet certain conditions and who submit the following information and documentation:

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- (1) Number of years driving school bus.
- (2) Approximate number of miles per year driving school bus.
- (3) Estimated number of miles driven per week.
- (4) Estimated number of daylight driving hours per week.
- (5) Estimated number of nighttime driving hours per week.
- (6) Supporting documentation of current Commercial Drivers License to drive school bus issued by the State of Idaho.
- (7) Supporting documentation certifying applicant has operated a commercial motor vehicle (CMV) with a diabetic condition controlled by the use of insulin while under the care of an endocrinologist (may have consulting relationship with driver's personal physician) familiar with the treatment and monitoring of Diabetes Mellitus.
- (8) Idaho Transportation Department driving record (for the three-year period immediately preceding application) containing no suspensions or revocations, no involvement in an accident for which the applicant received a citation for a moving traffic violation while operating a CMV, no involvement in an accident for which the applicant contributed to the cause of the accident, and no convictions for a disqualifying offense or more than one serious traffic violation, as defined in 49 CFR 383.5, while operating a CMV.
- (9) Supporting documentation certifying no other disqualifying conditions including diabetes related complications.
- (10) Supporting documentation certifying no recurrent (two or more) hypoglycemic reactions resulting in a loss of consciousness or seizure within the past five years. A period of one year of demonstrated stability is required following the first episode of hypoglycemia.
- (11) Supporting documentation certifying no recurrent hypoglycemic reactions requiring the assistance of another person within the past five years. A period of one year of demonstrated stability is required following the first episode of hypoglycemia.

- (12) Supporting documentation certifying no recurrent hypoglycemic reactions resulting in impaired cognitive function that occurred without warning symptoms within the past five years. A period of one year of demonstrated stability is required following the first episode of hypoglycemia.
- (13) Supporting documentation certifying the applicant has been examined by a board-certified or board-eligible endocrinologist (who is knowledgeable about diabetes) who has conducted a complete medical examination. The complete medical examination must consist of a comprehensive evaluation of the applicant's medical history and current status with a report including:
- The date insulin use began;
 - Diabetes diagnosis and disease history;
 - Hospitalization records;
 - Consultation notes for diagnostic examinations;
 - Special studies pertaining to the diabetes;
 - Follow-up reports;
 - Reports of any hypoglycemic insulin reactions within the last five years;
 - Two measures of glycosylated hemoglobin, the first 90 days before the last and current measure;
 - Insulin dosages and types, diet utilized for control and any significant factors such as smoking, alcohol use, and other medications or drugs taken; and
 - Examinations to detect any peripheral neuropathy or circulatory insufficiency of the extremities.
- (14) Submits a signed statement from an examining endocrinologist indicating the following medical determinations:

- The endocrinologist is familiar with the applicant's medical history for the past five years, either through actual treatment over that time or through consultation with a physician who has treated the applicant during that time;
- The applicant has been using insulin to control his/her diabetes from the date of the application back to the date driving experience began or the previous three years, whichever is less;
- The applicant has been educated in diabetes and its management, thoroughly informed of and understands the procedures which must be followed to monitor and manage his/her diabetes and what procedures should be followed if complications arise; and
- The applicant has the ability and has demonstrated willingness to properly monitor and manage his/her diabetes.

(15) Submits a separate signed statement from an ophthalmologist or optometrist that the applicant has been examined and that the applicant does not have diabetic retinopathy and meets the vision standard at 49 CFR 391.41(b) (10), or has been issued a valid medical exemption. If the applicant has any evidence of diabetic retinopathy, he or she must be examined by an ophthalmologist and submit a separate signed statement from the ophthalmologist that he or she does not have unstable proliferative diabetic retinopathy (i.e., unstable advancing disease of blood vessels in the retina).

b. There are special conditions attached to the issuance of any exemption for ITDM. The Department will impose the following requirements:

(1) Individuals with ITDM shall maintain appropriate medical supplies for glucose management while preparing for the operation of a CMV and during its operation. The supplies shall include the following:

- An acceptable glucose monitor with memory;

- Supplies needed to obtain adequate blood samples and to measure blood glucose;
- Insulin to be used as necessary; and
- An amount of rapidly absorbable glucose to be used as necessary.

c. Prior to and while driving, the individual with ITDM shall adhere to the following protocol for monitoring and maintaining appropriate blood glucose levels:

- (1) Check glucose before starting to drive and take corrective action if necessary. If glucose is less than 100 milligrams per deciliter (mg/dl), take glucose or food and recheck in 30 minutes. Do not drive if glucose is less than 100 mg/dl. Repeat the process until glucose is greater than 100 mg/dl;
- (2) While driving check glucose every two to four hours and take appropriate action to maintain it in the range of 100 to 400 mg/dl;
- (3) Have food available at all times when driving. If glucose is less than 100 mg/dl, stop driving and eat. Recheck in 30 minutes and repeat procedure until glucose is greater than 100 mg/dl; and
- (4) If glucose is greater than 400 mg/dl, stop driving until glucose returns to the 100 to 400 mg/dl range. If more than two hours after last insulin injection and eating, take additional insulin. Recheck blood glucose in 30 minutes. Do not resume driving until glucose is less than 400 mg/dl.

d. In addition to the requirements for controlling ITDM, the Department will monitor exemption recipients during the period that the exemption is valid. The Department will conduct monitoring by requiring the exemption recipients to submit the following information to the Idaho State Department of Education Student Transportation Section:

- (1) Provide written confirmation from the endocrinologist on a quarterly basis:

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- The make and model of the glucose monitoring device with memory; and
- The individual's blood glucose measurements and glycosylated hemoglobin are generally in an adequate range based on daily glucose measurements taken with the glucose monitoring device and correlated with the daily records of driving time and a current measurement of glycosylated hemoglobin.

(2) Submit on an annual basis, a comprehensive medical evaluation by an endocrinologist. The evaluation will include a general physical examination and a report of glycosylated hemoglobin concentration. The evaluation will also involve an assessment of the individual's willingness and ability to monitor and manage the diabetic condition.

e. Provide on an annual basis confirmation by an ophthalmologist or optometrist that there is no diabetic retinopathy and the individual meets the current vision standards at 49 CFR 391.41(b) (10). If there is any evidence of diabetic retinopathy, provide annual documentation by an ophthalmologist that the individual does not have unstable proliferative diabetic retinopathy.

f. Submit annual documentation by an endocrinologist of ongoing education in management of diabetes and hypoglycemia awareness.

g. Report all episodes of severe hypoglycemia, significant complications, or inability to manage diabetes.

h. Report any involvement in an accident or any other adverse event whether or not they are related to an episode of hypoglycemia.

i. School bus drivers applying for ITDM exemption should refer to Federal Highway Administration Diabetes Waiver Program – Appendix A.

3. *School Bus Driver Training*

a. All new school bus drivers will complete a prior-approved school bus driver training program, which shall include documented knowledge and skill tests, as well as ten (10) inclusive hours of behind-the-wheel and/or route observation, before being allowed to drive a school bus loaded with students. As a support to school

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

district personnel, the State Department of Education shall develop and maintain model classroom and behind-the-wheel training curricula incorporating nationally recognized driver training methods and resources. (Sections 33-1508; 33-1509; 33-1511, Idaho Code)

- b. All experienced school bus drivers will complete at least ten (10) hours refresher school bus driver training each fiscal school year. At least three (3) hours of pre-service training shall be provided before school begins in the fall. In addition, at least three (3) in-service training sessions shall be provided during the school year utilizing, at a minimum, thirty (30) minute, topic specific and documented, training blocks.
- c. School districts shall request documentation of all previous school bus driver training and driving experience, in accordance with Federal Motor Carrier Safety Administration CDL licensing requirements. Documentation of previous training, similar to State Board of Education training requirements, may be used to comply with new school bus driver training hours. Regardless of any previous out-of-district training, all newly hired school bus drivers shall have sufficient training provided by the hiring district or contractor, along with accompanying documentation, illustrating proficient school bus driving skills. If the district is unable to obtain documentation of previous school bus driver training, the individual shall complete the training requirements for new school bus drivers. If the applicant has gaps in excess of four years of ongoing school bus driving experience, the individual shall complete the training requirements for new school bus drivers.

4. *Student Transportation Personnel File*

- a. Each district that operates or contracts student transportation services shall cause to have filed for each school bus driver, in a secure area with limited access, the following information: (33-1506, 33-1508 and 33-1509, Idaho Code)

- (1) Copy of original application to drive school bus.
- (2) Copy of current original physical examination form, along with any applicable waivers.
- (3) ~~Historical record of all topic specific school bus driver training supported by a training program agenda.~~ Historical training records should contain, at a minimum, accurate information certifying attendance and satisfactory completion of all state, or district and or company required training. Details about all topic

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

specific school bus drivers training supported by a training program agenda, including the number of hours of instruction, date of instruction, instructor and drivers signature. The following is a list of minimum training to be documented:

- Classroom Training
- Pre-service
- In-Service
- Behind-the-wheel training

- (4) Copy of current commercial driver's license.
- (5) Copy of annual driving record check in compliance with CDL licensing requirements. The district shall request each fiscal year a driving record check report from the Idaho (or neighboring state or both states, as applicable) State Transportation Department, Motor Vehicles Division, for those individuals who are going to drive a school bus during the current fiscal school year.
- (6) Copy of all annual driver and route evaluations. New drivers shall have a driver evaluation before being allowed to drive a school bus loaded with students.
- (7) Copies of a driver emergency evacuation drills shall be maintained for a period of three years.

5. *Student Transportation Maintenance and Service Personnel*

- a. Each district that operates or contracts student transportation services shall perform maintenance functions on a timely basis consistent with safe transportation and work environments. (33-1506, Idaho Code)
- b. The SDE Student Transportation Section shall develop and maintain student transportation staffing guidelines designed to promote efficiency and cost containment. These guidelines shall be for informational purposes. School districts shall not be financially penalized when falling outside SDE staffing guidelines.

G. **Vehicle Operation**

- 1. All school districts and school bus drivers must meet all operations and performance requirements in conformity with law and with rules and regulations of the Department of Law Enforcement and the State Board of Education (33-1508, Idaho Code). The Board of Trustees or

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

its designee shall be responsible for delineating in writing vehicle operations and the duties of bus drivers, which shall, at a minimum, include:

- a. The driver shall ensure the safe condition of the school bus by conducting an initial and thorough daily pre-trip school bus inspection. The district shall provide drivers with a pre-trip inspection form. The State Department of Education shall develop and maintain a model pre-trip inspection form using nationally recognized criteria for the school bus pre-trip inspection. Each subsequent trip shall require an additional pre-trip school bus inspection, which at a minimum shall ensure that all safety equipment is in working order, i.e., brakes, tires, lights, steering and horn. All defects shall be reported by the school bus driver.
- b. A school bus shall be backed only as a last resort. Buses shall not back to turn around on a public roadway, unless the local board finds there is no alternative to backing buses on certain roads. The local board then, by official action, may allow backing of school buses on certain public roadways. (33-1502, Idaho Code)
- c. No passenger shall be permitted to operate the school bus.
- d. The school bus driver shall not allow guns or inflammable or explosive substances such as gasoline to be carried on a school bus. School districts shall develop policy identifying other perceived unsafe items prohibited from being transported in the passenger compartment of a school bus, such as skis, skateboards, large instruments, etc. Students are to only carry objects on to the bus that can fit safely within the seat compartment, preferably on the student's lap. The student shall not carry hazardous materials, objects, or potentially disruptive animals on the bus.
- e. School bus drivers shall properly wear a seat belt whenever the bus is in motion.
- f. School bus doors shall remain closed while the bus is in motion. No school bus shall start in motion before all passengers have been seated. The driver shall require each passenger on the bus to be seated in a manufacturer's school bus passenger seat. No student shall be allowed to stand while the bus is in motion.
- g. School districts shall establish school bus stops in safe locations with at least one hundred (100) yards clear visibility in both directions, whenever possible, and at least forty (40) feet from intersections, whenever possible. No bus stop shall be established

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

less than one and one-half (1 1/2) miles from the nearest appropriate school except when, in the judgment of the Board of Trustees, the age or health or safety of the student warrants. (Sections 33-1501 and 33-1502, Idaho Code)

- h. All school buses shall stop to load/unload passengers at designated bus stops in accordance with the law (49-1422, Idaho Code). The State Department of Education shall maintain model student loading/unloading training curriculum, the basis of which shall be in conformity with nationally recognized procedures (*National School Transportation Specifications & Procedures*). The student shall not leave or board the bus at locations other than the assigned home stop or assigned school unless arrangements for doing so have been approved by appropriate authority. Appropriate authority and the approval process shall be defined in local district policy.
- i. School bus drivers shall load and unload from the right side of the roadway. School bus drivers shall not allow students to cross roadways having more than three (3) lanes for purposes of loading or unloading and shall only load or unload students who live on the right side of such a roadway, except at locations having easily accessible traffic control signals. (49-1422, Idaho Code)
- j. When it is necessary for the student to cross the roadway, the driver shall require the student to cross ~~ten (10)~~ twelve (12) feet in front of the bus in accordance with state loading/unloading training curriculum.
- k. School bus drivers shall report the license number of any vehicle, which violates any law endangering school children to his/her immediate supervisor (33-1509, Idaho Code).
- l. Student transportation operations shall be included in the district's crises planning and related training shall be provided to school bus drivers related to district crises plans. School bus drivers shall remain vigilant and report suspicious behavior or conditions which could become harmful to students or be indicative of impending acts of terror. School bus drivers shall be provided training in homeland security awareness.
- m. A driver on a school bus route shall not leave an occupied bus. In case of a breakdown the driver shall request assistance via two-way communication whenever possible. Otherwise, the driver should ask a passing motorist to make contact with the district,

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

send a school bus aide or at least two responsible students to make contact with the district, or wait for help.

- n. Whenever it is necessary for the school bus driver to leave an unoccupied bus or leave the driver's seat of an occupied bus, he/she should shut off the motor, curb the wheels where appropriate, set the brakes and remove the ignition key.
- o. The school bus driver shall give consideration to engine idling during extended wait times. Consideration should be given to varying climate conditions. All buses equipped with an auxiliary heater shall not be allowed to idle for more than three to five consecutive minutes. (Exceptions: pre-trips, passenger stops, etc.) Heater shall be used to provide pre-heated water in the cooling system for starting cold engines as well as providing heat to the passenger compartment during cold weather without running the engine. Reduced idling will reduce student transportation costs and improve air quality. Allowing engines to idle for more than three minutes may cause districts (including contracted districts) to lose funding for purchasing fuel.
- p. All school and activity buses shall stop at all railroad grade crossings in accordance with the law (33-1508; 49-648 and 49-649 Idaho Codes). The State Department of Education shall develop and maintain railroad grade crossing training curriculum, the basis of which shall be in conformity with nationally recognized procedures (*National School Transportation Specifications & Procedures*).
- q. School districts shall limit on-duty and driving time of school bus drivers similar to the limitations imposed by the Federal Motor Carrier Safety Administration regulations for drivers of similar commercial motor vehicles. Drivers shall use FMCSA over-the-road hours-of-service trip logs, a trip agenda, or other trip documentation validating applicable driving hours on all out-of-district trips in excess of one-hundred (100) miles (*FMCSA Regulations, Hours of Service of Drivers*).
- r. At no time shall a driver exceed sixty-five (65) miles per hour or a lesser posted speed limit.

H. **Student Management**

- 1. Student transportation is another component in the school district's overall education program. An effective student transportation management program must have the support of the school district administration,

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

school bus drivers, students, and parents. Each school district should institute a comprehensive student-management program that is designed to share the responsibility for student safety and well-being, as well as protecting the interests of all others involved in the program.

- 2.** Every school district which operates a student transportation system shall have a written policy which sets forth the student's right to "due process" when disciplinary action is taken and defines the duties and responsibilities of students when taking advantage of student transportation. The school district's student transportation student management policy, including the duties and responsibilities of students, teachers and drivers shall be in concert with the district's written classroom policies. (33-512, Idaho Code)
- 3.** School bus drivers shall establish proper rapport with students. Drivers should instruct students in appropriate behavior in accordance with the district's student management policy. Drivers should be aware that they represent the school system and present a positive image in dress, language, and manner.
- 4.** The State Department of Education shall develop and maintain model student management guidelines, suggested rules and regulations in its school bus driver training curriculum.

I. **Student Eligibility**

- 1.** *Eligible Students*

 - a.** Student eligibility for state funded student transportation services is defined in 33-1501 ~~and~~, 33-1502, and 33-5208 Idaho Code.
 - b.** A student with disabilities who's Individualized Education Plan (IEP) requires transportation is eligible for transportation as a related service (IDEA) under the Student Transportation Support Program regardless of distance from the school.
 - c.** It is the aim of the State Department of Education, in keeping with the "inclusion" concept, to arrange transportation for the student with disabilities as closely as possible to that of the student without disabilities. Whenever possible, students with disabilities will ride with students without disabilities on regular routes.
 - d.** Students who attend school at an alternate location as assigned by the local board of trustees may be expected to walk reasonable distances between schools (33-1501, Idaho Code). Transporting

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

or shuttling students between schools or buildings in conjunction with non-reimbursable programs is a non-reimbursable expense and all such mileage shall be documented and tracked as non-reimbursable shuttle miles.

2. *Ineligible Students*

- a.** An ineligible student shall be defined as any properly enrolled public school student who does not otherwise meet ridership eligibility by virtue of school or district boundary, distance, age, health, or safety.
- b.** If a school district allows ineligible but properly enrolled public school students on a bus and their presence does not create an appreciable increase in the cost of the bus run, as determined by the State Department of Education (in computing to and from school state allocations), the district shall not be penalized.
- c.** Ineligible students may ride existing bus runs, and to and from an existing bus stop, on a "space available" basis provided that neither time, mileage, or other appreciable cost is added as a result of this service. Ineligible students shall be reported as such on the bus ridership count report and are not eligible for additional rider count funding.
- d.** Properly enrolled students living in district of residence but attending school in a non-resident district, under the provisions of 33-1402, Idaho Code (enrollment options), may be transported; however, all related "yellow school bus" mileage shall be reported as non-reimbursable. Exceptions shall be permitted when transporting student(s) to out-of-district school demonstrates cost effectiveness, as determined by the State Department of Education, in which case the related mileage shall be reported as reimbursable. Other exceptions include but are not limited to, mileage related to provisions of the McKinney-Vento Homeless Assistance Act and the "No Child Left Behind Act (NCLB)" in concert with Idaho's Academic Yearly Progress Plan (when school districts opt to provide transportation services to a neighboring school district). In any event, cooperative written agreements, as detailed in 33-1402, Idaho Code, shall be required.

3. *Non-Public (Private or Parochial) School Students*

The cost of transporting non-public school students must be deducted when submitting the transportation reimbursement claim. Each school district must recover the full cost of transporting non-

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

public school students, and in no event may that cost be determined to be zero (0). (Section 33-1501, Idaho Code)

4. Non-Student Rider

A non-student rider shall be defined as any transported person who is not properly enrolled in a pre-K through twelve school program. Each school district must recover the full cost of transporting non-students, except that dependent children of young mothers who are properly enrolled in a public school program, SDE student transportation staff, district supervisory personnel and/or administrators and aides may ride on to and from school bus routes. Other persons and teachers who have officially been appointed as chaperones may be allowed on a school bus for field and extracurricular trips. If the local district policy allows, exceptions may be made for passengers other than properly enrolled school students to ride the bus when special circumstances exist and space is available. An appropriate authority must give prior permission before non-students may ride. No eligible transported student is to be displaced or required to stand in order to make room for an ineligible, non-public, or non-student rider.

J. Student Transportation Support Program – Financial Reporting

- 1.** Each school district operates motor vehicles of many sizes and types, such as school buses, small and large trucks, cars for administration and driver education, pickups, delivery vans, and other miscellaneous small motor vehicles. All school district vehicle operating costs must be charged to the appropriate individual account or accounts according to their use. Costs for transporting eligible students to and from school or related activities shall be accounted for separately in accordance with State Board of Education approved procedures. (33-1006, Idaho Code)
- 2.** Accurate mileage records shall be kept for reimbursable and non-reimbursable programs so eligible and non-eligible miles can be accurately determined. No indirect costs are allowed. Financial supporting documents shall be maintained throughout the fiscal year for each program category for audit purposes.
- 3.** Annual odometer readings (end of day June 30 or start of day July 1) on all district owned or contracted “yellow school buses” used to transport students to and from school or related activities shall be annually submitted to the State Department of Education upon

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

request. No “yellow school bus” used to transport public school students shall be excluded.

- 4.** School districts shall annually report all miles linked to a “yellow school bus” as reimbursable or non-reimbursable on Schedule C of the Student Transportation Reimbursement Claim Form.
- 5.** Revenues generated from the use or lease of a district owned “yellow school bus” shall be reported as follows:

 - a.** When the revenues correlate to reported “reimbursable” miles and their related costs, the revenue shall be reported on the student transportation reimbursement claim form under revenues received.
 - b.** When the revenues correlate to reported “non-reimbursable” miles and their related costs, the revenue shall not be reported.
- 6.** Each school district that operates a student transportation system will maintain accurate records of operations including runs, run mileage, categorized bus mileage, student rider counts and other related costs on uniform record-keeping forms provided by the Department of Education.
- 7.** The Department of Education Student Transportation Section shall conduct on-site spot inspections of school district student transportation operations at a frequency adequate to ensure compliance with state law, accuracy of data and reimbursement claims, and safety of school buses. Priority for selecting districts for review and audit shall be given to those districts that exceed both the most recent annual state average reimbursable cost per mile and the state average reimbursable cost per rider as calculated by the Department, unless the supervisor of student transportation determines otherwise (33-1511, Idaho Code). Adequate frequency shall be defined as, at least once every three years.
- 8.** The Department of Education Student Transportation Section shall, subsequent to on-site review and spot inspection, provide school district with a list of required corrective actions, as necessary. School districts shall submit to the Department written corrective action plans at prescribed intervals until deficiencies are corrected or the corrective action no longer applies (subject to the provisions of 33-1511, Idaho Code).
- 9.** The Department shall annually review school district student transportation claims and make available analyses of reported and adjusted costs, including specific cost trends, to individual school

STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011

districts and charter schools in a secure website location or published document.

10. Information will be made available to the Department of Education for audit purposes upon request. Information will be compiled and retained for a minimum of four (4) years, including the current fiscal year, in the following areas: (Section 33-1006, Idaho Code)

K. Administrative and Program Operation Costs

1. The school district administrative reimbursement will be seven and one half percent (7.5%) of all approved reimbursable operation costs for transporting pupils except administration costs, depreciation, and contracted services, as reported to the State Department of Education on the Annual Pupil Transportation Claim for Reimbursement (Schedule B); or
2. Actual administrative costs, program operation costs, operation of plant, maintenance of plant, fixed costs, and other pupil transportation costs identified in 33-1006, Idaho Code, which are directly related, charged and reported as transportation costs to the State Department of Education on the Annual Student Transportation Claim for Reimbursement (Schedule A).
3. Districts will be permitted flexibility in scheduling bus routes; however, before-school and after-school activity or other program busing that result in duplicating transportation service to a geographic area is not reimbursable, except that the Idaho Reading Indicator (IRI) shall be reimbursable under the Pupil Transportation Support Program. Transportation costs for other before-school and after-school academic programs may be reimbursable and will be considered on a case-by-case basis when specific written requests for consideration are submitted to the State Department of Education on or before March 31 of the school year in which the busing began.
4. All academic and activity summer programs will be non-reimbursable under the Student Transportation Support Program, except transportation costs for Migrant Summer School, the Idaho Reading Indicator (IRI), and Extended School Year (ESY) Special Needs programs will be reimbursable.
5. The State Department of Education shall develop support staffing (supervisor, driver trainer, secretary/dispatcher, etc.) and school bus inventory guidelines for school district student transportation operations.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

6. The district will maintain accurate records of all bus routes and runs, including rider counts, mileage and other related operation and vehicle maintenance costs (33-1006, Idaho Code). A “route” is defined as anything one bus does during the morning (a.m. route), midday (noon route), or afternoon (p.m. route) and may be comprised of one or more morning, midday, or afternoon to –from school “run(s).” The Department shall require school districts to submit ~~annually~~ triannually a data specific “~~run~~ route report” including but not limited to, number of riders ~~and percent occupancy~~. Additionally, for purposes of equity and accuracy, school districts shall take ridership counts on specific dates and frequency (minimum of ten counts per school year) annually set by the Department, which shall be reported and submitted in a format approved by the Department.
7. If the local board of trustees authorizes the use of school buses to transport students to and from school-sponsored activities or field trips, the local board will use school buses that are in safe mechanical condition. No school bus shall be operated, loaded, or equipped in such a way as to constitute a hazard to the safety of the students being transported. School bus emergency egress systems shall remain operable and the bus aisle shall remain clear of obstruction while students are being transported. (33-1506, Idaho Code)
8. If the local board of trustees authorizes the use of non-conforming vehicles to transport students to and from school-sponsored activities or field trips, the local board will use vehicles that are in safe mechanical condition. No non-conforming vehicle shall be operated, loaded, or equipped in such a way as to constitute a hazard to the safety of the students being transported.
9. The district shall maintain accurate records of all trips in all school buses and non-conforming vehicles used in the transportation of students and transportation personnel, including the purposes of the trip, mileage and operation and vehicle maintenance costs. An annual odometer reading will be taken at the end of each fiscal school year (June 30) on all district owned vehicles used in the transportation of students. The district shall reconcile annual mileage reports with all recorded reimbursable and non-reimbursable program miles. School districts that contract for student transportation services shall report all reimbursable and non-reimbursable program miles. The district shall maintain accurate mileage records of all trips in all district owned non-conforming vehicles used for shuttling school bus drivers to and from their school buses for purposes of efficiency and cost containment. The district shall maintain accurate mileage records of all trips in all district-owned shop trucks and

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

supervisor/trainer cars used in support of yellow school buses to repair school buses, deliver parts, and check road/route/bus stop conditions. Support mileage will be tracked separately and reimbursed at the State Board of Examiners rate established at the beginning of each school year. Mileage for transportation personnel home-to-work-to-home that is not cost effective in lieu of using a bus for home-to-work-to-home; or mileage in vans or other non-conforming vehicles used to transport students is non-reimbursable.

10. ~~Field trips will be reimbursable when they are approved school activities that are an integral part of the total education program, are class-curriculum driven, occur during the regular school year and extend not more than one hundred (100) miles beyond the boundaries of the state. Field trips that are for non-graded student performance, social, recreational, competition, or reward purposes or incorporate overnight lodging or occur outside the regularly scheduled (4 or 5 day) school week are not reimbursable, except that a local, non-competitive performance event held within the school district (e.g., musical performance) shall be reimbursable. The costs of transporting athletes or students to and from extracurricular activities~~ and field trips are not reimbursable.
11. ~~The following activities which are under the jurisdiction and sponsorship of the Idaho High School Activities Association will not be reimbursable, including but not limited to: baseball, basketball, cross-country, debate, drama, drill team, football, golf, instrumental music, soccer, softball, speech, tennis, track, vocal music, volleyball, and wrestling. In addition to these, any other school activity that is scheduled and held for competition purposes is not reimbursable.~~
12. Shuttle trip mileage is reimbursable only if directly associated with transporting students for the purposes of regular school attendance during regular days and hours. Shuttle trip mileage is limited to miles between any district-owned or exclusively-leased facility for regularly reoccurring days of that individual class, which transportation is for regular school attendance during regular days and hours.

L. **Safety Busing**

All school districts submitting applications for new safety busing reimbursement approval shall have established a board policy for evaluating and rating all safety busing requests and shall have on file a completed measuring or rating instrument for all submitted requests. The State Department of Education staff shall develop and maintain a measuring instrument model, which shall include an element for validating contacts with responsible organizations or persons responsible for

improving or minimizing hazardous conditions. Each applying district will be required to annually affirm that conditions of all prior approved safety busing requests are unchanged. The local board of trustees shall annually, by official action (33-1502, Idaho Code), approve all ~~new~~ safety busing locations. School districts that receive state reimbursement of costs associated with safety busing will re-evaluate all safety busing sites at intervals of at least every three years using the local board adopted measuring or scoring instrument. In order to qualify for reimbursement the local school board will, by official action, approve the initial safety busing request and allow the students in question to be transported before the application is sent to the state. Consideration for reimbursement will be contingent on the application for ~~new~~ safety busing being received by the State Department of Education Transportation Section on or before March 31 of the school year in which the safety busing began.

M. Contract For Transportation Services

- 1.** Any district that contracts for student transportation services will have a copy of its current contract on file with the State Department of Education, Supervisor of Transportation Services (Section 33-1510, Idaho Code). The State Department of Education shall develop and maintain a model contract. School districts shall use the Department's model contract, but may attach to the model contract addenda to meet local requirements. School districts that contract for student transportation services shall submit contracts to the State Department of Education Student Transportation Section prior to signing. The Department will then approve or disapprove the submitted contract(s) in compliance to Section 33-1510, Idaho Code, including any contract extension.
- 2.** The State Department of Education shall develop guidelines for use in advertising for transportation bids, reviewing transportation bids and awarding transportation bids. School districts that contract shall require contractors to accurately track all mileage related to student transportation and said mileage shall not be considered to be proprietary. However, mechanisms and methodologies used in calculating actual costs for purposes of bidding (using district non-proprietary route mileages and route data) may be proprietary (9-340D, Idaho Code).
- 3.** School districts that contract for the provision of student transportation services must report actual contractual costs to the State Department of Education for reimbursement on the annual Student Transportation Reimbursement Claim form (Schedule C). In addition, school districts that contract for the provision of student transportation services may also report the costs of employing not more than one

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

(1) transportation contract manager for reimbursement on the annual Student Transportation Reimbursement Claim form (Schedule A). Notwithstanding, the total reimbursement to school districts that contract for the provision of student transportation services shall not exceed the limits provided under Idaho law (33-1006(5), Idaho Code).

- 4.** School districts that contract student transportation services and also operate a district-owned student transportation program may submit specific costs related to district salaries benefits, purchased services, supplies, etc. (Schedule A or Schedule B) when the costs can be reconciled to district-owned and operated school buses.
- 5.** Accurate mileage and contract costs (reimbursable and non-reimbursable) must be reported and submitted annually. School districts that contract shall require contractors to accurately track all mileage related to student transportation.
- 6.** Contracting school districts shall be responsible for determining and reporting reimbursable and non-reimbursable trip mileage and shall be able to reconcile all mileage to contractor invoices.

N. Leasing District-Owned Buses

School districts will develop and use a policy approved by the local board of trustees delineating responsibility and use of rental or leased buses. Any costs to the district will not be reimbursable under the Transportation Support Program. A school district that allows a school bus to be operated by a non-district employee as part of a lease or rental agreement might not be insured under the terms of its insurance policy. Therefore, districts will maintain adequate liability insurance coverage on rented or leased buses and shall notify its insurance carrier when renting or leasing a school bus and shall request written confirmation of continued insurance coverage during the particular circumstances of the rental or lease arrangement. Districts will maintain accurate records on all district-owned leased buses, including mileage, to whom leased and revenues received. (Section 33-1512, Idaho Code)

O. Ineligible Vehicles

Costs incurred when transporting students in any vehicle that does not meet all State Board of Education, state and federal standards for a school bus will not be reimbursable within the Transportation Support Program, except as permitted in 33-1006, Idaho Code.

P. Liability Insurance

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- 1.** Every policy or contract of insurance or comprehensive liability plan for each contractor-owned school bus shall provide that the insurance carrier pay on behalf of the insured local school district to a limit of not less than five hundred thousand dollars (\$500,000) per person limited to three million dollars (\$3,000,000) (**Look into amount-State Board – Board checking into it**) for bodily or personal injury, death, or property damage or loss as the result of any one (1) occurrence or accident, regardless of the number of persons injured or the number of claimants. (Section 33-1507, Idaho Code)
- 2.** Every policy or contract of insurance or comprehensive liability plan for each district-owned school bus will provide that the insurance carrier pay on behalf of the insured local school district to a limit of not less than five hundred thousand dollars (\$500,000) for bodily or personal injury, death, or property damage or loss as the result of any one (1) occurrence or accident, regardless of the number of persons injured or the number of claimants. (Sections 6-924 and 33-1507, Idaho Code)

Q. Non-Traditional Educational Programs

Costs of transporting students for purposes of accessing alternate, special or unique educational programs outside normal school hours or outside the normal school year are not reimbursable. However, districts will not be financially penalized for incorporating the transportation of ineligible student riders into a reimbursable educational run when there is no subsequent appreciable increase in the allocation of transportation resources.

R. Capital Investment

Purchase of school buses with approved reimbursable options and two-way voice communication radios installed in a new bus will be the only capital investment items allowed in the reimbursement program. Reasonable cellular telephone basic service contract costs and reasonable repeater service contract costs are reimbursable. No more than two (2) basic cellular telephone service contracts will be allowed per school district. Reimbursement for basic cellular telephone service contract costs in excess of two (2) must have prior approval. Mobile cellular telephone, additional cellular airtime, roaming and long distance charges are non-reimbursable costs. The cost of a cellular telephone may be reimbursable when the cost is in-lieu of a hard-wired two-way voice radio.

S. Depreciation

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

1. The purchase date for purposes of depreciation is determined to be July 1 of the state fiscal year in which the bus is delivered. Buses will be placed on a depreciation schedule after they have been inspected by personnel from the State Department of Education. When a bus is sold or traded prior to its life expectancy according to the district's SDE generated depreciation schedule, the district shall forfeit an amount equal to total depreciation received, minus depreciation calculated at straight-line method, plus fifty-percent (50%) of the projected depreciation amount for the year in which the bus is sold or traded. Emergency circumstances resulting of property loss (school bus) or documented high maintenance costs ("lemon bus") may exempt a school district from this penalty. (33-1006, Idaho Code)

2. Before any newly acquired school bus is used for transporting pupils it shall be inspected by a duly authorized representative of the State Department of Education. (33-1506, Idaho Code)

3. *Depreciation Ineligibility*

Any used school bus purchased by a district will not be eligible for depreciation if the bus is over five (5) years old, using the body manufacturer's and state inspection fiscal year dates. Used school buses new to the State no older than five (5) years will be placed on the district's depreciation schedule, using an accelerated declining balance method of calculating depreciation, which shall include a percentage rate equal to one (1), divided by the remaining years life expectancy of the bus (according to a life expectancy of ten (10) years), multiplied by two (2). Used bus depreciation maximums will be based on used bus values in the most current Yellow School Bus Book and subject to review by the Student Transportation Steering Committee.

4. *Depreciation Standards*

In order to be eligible for depreciation and operation costs a school bus must meet all federal and Idaho minimum construction standards and State Board of Education standards. Further, the bus shall be assigned and used daily on to and from school routes, except that new buses purchased for spare, activity and field trip purposes may be placed on the district's depreciation schedule if they are also used on to -from school routes.

5. *Retrofit Standards*

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- a. Any vehicle that has been retrofitted to be used as a school bus will meet current Idaho minimum construction standards.
- b. Any school bus that undergoes a partial retrofit will meet current Idaho minimum construction standards applicable to the retrofitted part(s).

6. *Size Categories*

All school buses will be categorized by size as follows: eighty-five (85) students and up, seventy-three to eighty-four (73-84) students, fifty-nine to seventy-two (59-72) students, forty-seven to fifty-eight (47-58) students, thirty-five to forty-six (35-46) students, twenty to thirty-four (20-34) students, and one to nineteen (1-19) students.

7. *Basic Bus*

The State Department of Education Pupil Transportation Section shall ~~annually~~ write bid specifications for the purpose of defining Idaho's basic school bus(es) and shall advertise for an indefinite contract, indefinite quantity bid. The bid award shall be used to establish a "depreciation reimbursement benchmark" for statewide district school bus purchases for specific size categories. For purposes of depreciation reimbursement, add-on bus component costs may be allowed specific to school district needs that are in accord with 33-1006, Idaho Code, ~~subject to review by the student transportation steering committee.~~ (33-601, 67-2803, and 67-2806 Idaho Codes)

8. *Life Expectancy*

- a. For depreciation purposes, all school buses will be categorized according to size and depreciated according to a twelve (12)-year life expectancy or a life expectancy based on use and mileage (as defined by the student transportation steering committee and approved by the State Department of Education Student Transportation Section), whichever is most advantageous to the school district (see SDE "Depreciation Calculator"). Activity and lift-equipped buses will be categorized for purchase and depreciation purposes as if they had full seating capacity. The cost of activity bus options (e.g., air conditioning, partially reclining passenger seats, interior overhead storage compartments, etc.) will not be included when calculating depreciation.
- b. ~~District school bus purchases that fall outside "Idaho's basic bus" categories defined annually in written specifications may be placed~~

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

~~on the district's depreciation schedule subsequent to student
transportation steering committee review.~~

9. *Twelve-year (12) Depreciation*

The school bus depreciation schedule within the allowable costs of the Pupil Transportation Support Program, for school buses with life expectancy of twelve (12) years will be determined by using an accelerated declining balance method of calculating depreciation (declining balance schedule to include a percentage rate of sixteen and sixty-seven hundredths percent (16.67%) per year for useful life expectancy of twelve (12) years). (Section 33-1006, Idaho Code)

10. *Use and Mileage Depreciation*

The school bus use and mileage depreciation schedule within the allowable costs of the Pupil Transportation Support Program will be determined by using an accelerated declining balance method of calculating depreciation (use and mileage declining balance schedule to include a variable percentage rate triggered by use and mileage categories as defined by the State Department of Education Student Transportation Section). (See SDE "Depreciation Calculator")

11. *Purchase Price*

- a.** The purchase price of each bus will include the total chassis, body, special equipment, freight costs, pre-delivery inspection fees and any other costs directly related to acquiring the bus within the constraints of Idaho's basic bus specifications, indefinite contract/quantity bid award and Idaho Code. Costs of non-reimbursable options will be subtracted for purposes of calculating the district's reimbursable bus depreciation, as necessary. (33-1006; 33-1506, Idaho Code)
- b.** Any or all bid quotations may be rejected by the school district; however, all bid prices will be evaluated and adjusted as necessary by the State Department of Education Pupil Transportation Section with recommendations for depreciation adjustment from the Pupil Transportation Steering Committee. The lowest responsive and responsible bid will be used in calculating the district's depreciation reimbursement. Verifiable differences in school bus construction quality may be justification for bid rejection.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- c. School districts may purchase from a contract issued by the State Department of Education secondary to awarding an indefinite contract/quantity or through a contract that has been competitively bid by the state of Idaho, one (1) of its subdivisions, or an agency of the federal government (67-2803 and 67-2806 Idaho Code).

12. *School Bus Delivery Costs*

- a. The State Department of Education Pupil Transportation Section may consider (subject to the constraints of Idaho's basic bus specifications, indefinite contract/quantity bid award and Idaho Code) FOB district bus delivery costs reflected in school district bid specifications and subsequent vendor invoice to be considered part of the bus purchase price for purposes of depreciation reimbursement.
- b. Districts will not report any new school bus delivery mileage on the Pupil Transportation Reimbursement Claim form. Districts will record the initial mileage on all new school buses delivered to the district and will track and record all subsequent mileage for purposes of reimbursement.

13. *Nonreimbursable Costs*

No finance charges, leases, rent, or interest will be included in the purchase price. These are not reimbursable costs on the depreciation schedule. A school district that leases a school bus on a short-term emergency basis must receive prior approval, for purposes of reimbursement.

14. *Inoperable Bus*

Any school bus that is wrecked, sold, inoperable, or for any other reason does not or cannot meet all federal, state and State Board of Education construction and operational standards will be removed from the depreciation schedule. Revenues received subsequent to an insurance claim, associated with any district owned vehicle that receives state pupil transportation reimbursement consideration, shall be reported on the pupil transportation reimbursement claim form under revenues/reimbursements received or as a credit to the district's parts and supplies budget account.

15. *Bus Trade-In*

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

Trade-in values reflected in district bid specifications and subsequent invoicing will not be subtracted from the purchase price of the new bus for purposes of depreciation reimbursement.

I. Program Support

- 1.** The State Department of Education shall develop a “best practice” model and cost containment guidelines for school district pupil transportation operations, which shall include school bus lifecycle costing and school bus replacement models based on mileage, age and use criteria.
- 2.** The State Department of Education shall develop guidelines for use in advertising for transportation bids, reviewing transportation bids and awarding transportation bids.

U. Depreciation Account

~~All school bus depreciation money received by school districts from the state shall be placed into a separate account and used only for the purchase of school buses.~~ All school bus depreciation money received by school districts from the state shall be placed into a separate account and used only for the purchase of school buses. Any revenue received by the school district subsequent to the sale of any used school bus will be placed into a separate account and used only for the purchase of school buses. Trade-in values reflected in district bid specifications and subsequent invoicing will not be subtracted from the purchase price of the new bus for purposes of depreciation reimbursement.

V. Reimbursement/Non-Reimbursement Matrix

The State Department of Education will, as a matter of policy, periodically publish and distribute a reimbursement matrix.

W. Appeals and Waivers

- 1.** The State Board of Education may grant a waiver of any rule not required by state or federal law to any school district upon written request, as provided in IDAPA 08.02.01.001. Written requests for such a waiver shall be submitted to the State Department of Education Student Transportation Section using the waiver request form. The State Department of Education shall submit the waiver request to the State Board of Education, along with any appropriate recommendation(s). All waiver requests must include supporting rationale and detailed justification for the request. The Board will not grant waivers of any rule required by state or federal law. State and

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

federal law includes case law (including consent decrees), statutes, constitutions, and federal regulations.

2. A school district may appeal the application of the one hundred three percent (103%) limit on reimbursable costs to the State Board of Education, as provided in 33-1006(5), Idaho Code. Appeals must be submitted to the State Department of Education Pupil Transportation Section using the appeal application form. The State Department of Education shall submit the appeal to the State Board of Education, along with any appropriate recommendation(s). All appeals must include supporting documents demonstrating qualifying hardship bus runs (33-1006, Idaho Code).

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

SUBJECT

Pending Rule – Docket No. 08-0202-1102

REFERENCE

August 11, 2011	Board approved proposed rule changes to IDAPA 08.02.02.140 Rules Governing Uniformity, Accreditation.
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August 9-10, 2007	M/S (Luna/Soltman): To approve the request by the State Department of Education to amend IDAPA 08.02.02.140 as submitted. <i>Motion carried unanimously.</i>
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APPLICABLE STATUTE, RULE, OR POLICY

Section 33-119, Idaho Code
Idaho Administrative Code, IDAPA 08.02.02 – Section 140, Accreditation

BACKGROUND/DISCUSSION

There were no public comments received during the open comment period.

Idaho Code, Section 33-119, requires the State Board of Education to establish standards for the accreditation of any secondary school and set standards for all elementary schools as it may deem necessary. In August, 2007, the State Board of Education eliminated the Idaho State Accreditation process and adopted the Northwest Association of Accredited Schools (NAAS) standards for accreditation purposes due to the fact that a duplication of efforts existed between the two processes. This change allowed the State Department of Education to reallocate funding to other program areas within the department and provided an opportunity to divert some of those funds back into classrooms across Idaho.

Since that time, the Northwest Association of Accredited Schools has changed their name to the Northwest Accreditation Commission (NWAC) to better reflect their organizational structure as a commission rather than an association due to changes in membership and representation. The standards by which schools are accredited in Idaho have not changed as a result of this name change.

ATTACHMENTS

Attachment 1 – Pending Rule – Docket No. 08-0202-1102

Page 3

BOARD ACTION

I move to approve Pending Rule – Docket No. 08-0202-1102, as submitted.

Moved by _____ Seconded by _____ Carried Yes _____ No _____

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IDAPA 08
TITLE 02
CHAPTER 02

08.02.02 - RULES GOVERNING UNIFORMITY

140. ACCREDITATION.

All public secondary schools, serving any grade(s) 9-12, will be accredited. Accreditation is voluntary for elementary schools, grades K-8, and private and parochial schools. (Section 33- 119, Idaho Code) (4-2-08)

01. Continuous School Improvement Plan. Schools will develop continuous school improvement plans focused on the improvement of student performance. (4-2-08)

02. Standards. Schools will meet the accreditation standards of the Northwest Accreditation Commission. ()

03. Reporting. An annual accreditation report will be submitted to the State Board of Education. (4-2-08)

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STATE DEPARTMENT OF EDUCATION
AUGUST 11, 2011

SUBJECT

Pending Rule – Docket No. 08-0202-1103

REFERENCE

August 11, 2011

Board approved proposed rule changes to IDAPA 08.02.02, Sections 021, 023, and 027, Rules Governing Uniformity.

APPLICABLE STATUTE, RULE, OR POLICY

Sections 33-1254, 33-1258, and 33-114, Idaho Code

BACKGROUND/DISCUSSION

The clarifying change made between the proposed rule stage and the pending rule stage is in response to a public comment received during the open comment period.

08.02.02.021 Endorsements

The Exceptional Child Certificate is not a stand-alone certificate and must include an endorsement. IDAPA 08.02.02.021 does not include the *Exceptional Child Certificate* as one of the certificates eligible for endorsement.

08.02.02.023.04 English as a New Language (ENL) (K-12)

This rule clarification is in response to the need for a more clearly stated intent of the endorsement language. The manner in which the endorsement language is worded, unfortunately allows for interpretation that any *Modern Language* could meet the four (4) semester credit hour requirement. If that were the case, any four (4) credits of English, for example, could be argued as meeting the requirement. The intent of the endorsement is that the candidate shall have four (4) semester credit hours of a modern language other than English to better serve ENL students. By making this revision to the endorsement language, current and best practices will be more accurately reflected.

08.02.02.027.02 School Psychologist Endorsement

The Idaho School Psychologists Association (ISPA) proposed to the Professional Standards Commission (PSC) that the Idaho State Department of Education accept National Certification requirements for School Psychologists (NCSP) in place of the standard six (6) professional development credits. This program is offered through the National Association of School Psychologists (NASP), and should be considered as an additional avenue to meet state certification and recertification requirements.

ATTACHMENTS

Attachment 1 – Pending Rule – Docket No. 08-0202-1103

Page 3

**STATE DEPARTMENT OF EDUCATION
AUGUST 11, 2011**

BOARD ACTION

I move to approve Pending Rule – Docket No. 08-0202-1103, as submitted.

Moved by _____ Seconded by _____ Carried Yes _____ No _____

**IDAPA 08
TITLE 02
CHAPTER 02**

08.02.02 - RULES GOVERNING UNIFORMITY

021. ENDORSEMENTS.

Holders of a Secondary Certificate or a Standard Elementary Certificate, Exceptional Child Certificate, Standard Occupational Specialist Certificate, and Advanced Occupational Specialist Certificate may be granted endorsements in subject areas as provided herein. An official statement of competency in a teaching area or field is acceptable in lieu of courses for a teaching major or minor if such statements originate in the department or division of the accredited college or university in which the competency is established and are approved by the director of teacher education of the recommending college or university. To add an endorsement to an existing credential, an individual shall complete the credit hour requirements as provided herein and shall also meet or exceed the state qualifying score on appropriate, state approved content, pedagogy and performance assessments. When converting semester credit hours to quarter credit hours, two (2) semester credit hours is equal to three (3) quarter credit hours. ()

(BREAK IN CONTINUITY OF SECTIONS)

023. ENDORSEMENTS E - L.

01. Earth Science (6-12). Twenty (20) semester credit hours including course work in each of the following: Earth Science, Astronomy, and Geology. (4-11-06)

02. Economics (6-12). Twenty (20) semester credit hours to include a minimum of three (3) semester credit hours of micro-economics, a minimum of three (3) semester credit hours of macro-economics, and a minimum of six (6) semester credit hours of Personal Finance/Consumer Economics/Economics Methods. Remaining course work may be selected from economics and finance course work in one (1) or more of the following areas: Agriculture Science and Technology, Business Education, Economics, Family and Consumer Science, or Marketing Education. (4-11-06)

03. English (6-12). Twenty (20) semester credit hours, including three (3) semester credit hours in Linguistics/Grammar, three (3) semester credit hours in American Literature, three (3) semester credit hours in English Literature, six (6) semester credit hours in Advanced Composition, excluding the introductory sequence designed to meet general education requirements. Remaining credits must be completed in the English Department, and must include some course work in Writing Methods for Teachers of Secondary Students. (3-16-04)

STATE DEPARTMENT OF EDUCATION
AUGUST 11, 2011

04. English as a New Language (ENL) (K-12). Twenty (20) semester credit hours to include four (4) semester credit hours in Modern Foreign Languages a modern language other than English; three (3) semester credit hours in Cultural Diversity; three (3) semester credit hours in ENL Methods; three (3) semester credits in Linguistics; three (3) semester credit hours in Foundations, Federal and State Law, Theory, Testing/Identification of Limited English Proficient Students; one (1) semester credit in ENL Practicum or Field Experience; and three (3) semester credit hours in an ENL related elective. ()

05. Family and Consumer Science (6-12). (3-16-04)

a. Thirty (30) semester credit hours to include coursework in each of the following: Child/Human Development; Human/Family Relations; Directed Laboratory Experience in Childcare; Clothing and Textiles, Cultural Dress, Fashion Merchandising, or Design Nutrition; Food Preparation, Food Production, or Culinary Arts; Housing, Interior Design, Home Management, or Equipment; Consumer Economics or Family Resource Management; Introduction to Family Consumer Sciences; and, Integration of Family Consumer Sciences or Family Consumer Science Methods. (3-16-04)

b. Occupational Teacher Preparation as provided in Sections 034 through 038. (3-16-04)

06. Foreign Language (6-12 or K-12). Twenty (20) semester credit hours in a specific foreign language including course work in two (2) or more of the following areas: Grammar, Conversation, Composition, Culture, and Literature; and course work in Foreign Language Methods. To obtain an endorsement in a specific foreign language (K-12), applicants holding a Secondary Certificate must complete an elementary methods course. (4-11-06)

07. Geography (6-12). Twenty (20) semester credit hours including course work in Cultural Geography and Physical Geography, and a maximum of six (6) semester credit hours in World History Survey. Remaining semester credit hours must be selected from Geography. (4-11-06)

08. Geology (6-12). Twenty (20) semester credit hours in the area of Geology. (3-16-04)

09. Gifted and Talented (K-12). Twenty (20) semester credit hours, to include a minimum of three (3) semester credits hours in each of the following: Foundations of Gifted and Talented Education; Creative/Critical Thinking Skills for Gifted and Talented Students; Social and Emotional Needs of Gifted and Talented Students; Curriculum and Instruction for Gifted and Talented Students; and Practicum and Program Design for Gifted and Talented Education. Remaining course work must be in the area of gifted education. (5-8-09)

**STATE DEPARTMENT OF EDUCATION
AUGUST 11, 2011**

10. Health (6-12 or K-12). Twenty (20) semester credit hours to include course work in Organization/Administration/Planning of a School Health Program; Health and Wellness; Secondary Methods of Teaching Health; Elementary methods of Teaching Health; Mental/Emotional Health; Nutrition; Human Sexuality; Substance Use and Abuse. Remaining semester credits must be in health-related course work. (4-7-11)

11. History (6-12). Twenty (20) semester credit hours to include a minimum of six (6) semester credit hours of U.S. History Survey and a minimum of six (6) semester credit hours of World History Survey. Remaining course work must be in History. Course work may include three (3) semester credit hours in American Government. (4-11-06)

12. Humanities (6-12). An endorsement in English, History, Music, Visual Art, Drama, or Foreign Language and twenty (20) semester credit hours in one of the following areas or ten (10) semester credit hours in each of two (2) of the following areas: Literature, Music, Foreign Language, Humanities Survey, History, Visual Art, Philosophy, Drama, Comparative World Religion, Architecture, and Dance. (4-11-06)

13. Journalism (6-12). Follow one (1) of the following options: (3-16-04)

a. Option I: Twenty (20) semester credit hours to include a minimum of sixteen (16) semester credit hours in Journalism and four (4) semester credit hours in English. (3-16-04)

b. Option II: Possess an English endorsement with a minimum of six (6) semester credit hours in Journalism. (3-16-04)

14. Library Media Specialist (K-12). Twenty (20) semester credit hours in the field of Education Media or Library Science, including a minimum of: (5-8-09)

a. Collection Development/Materials Selection; (5-8-09)

b. Literature for Youth or Children; (5-8-09)

c. Organization of Information (Cataloging and Classification); (5-8-09)

d. School Library Administration/Management; and (5-8-09)

e. Library Information Technologies and Information Literacy. (5-8-09)

15. Literacy (K-12). Twenty (20) semester credit hours in the area of Literacy including a minimum of three (3) semester credit hours in each of the following areas: Foundations of Reading or Developmental Reading; Reading in the Content Area; Literature for Youth; Psycholinguistics or Language Development; Corrective/Diagnostic/Remedial Reading; and Teaching Writing. To obtain a Literacy

endorsement, applicants must complete the Idaho Comprehensive Literacy Course or the Idaho Comprehensive Literacy Assessment. Remaining credits must be taken in the area of teaching literacy. (5-8-09)

(BREAK IN CONTINUITY OF SECTIONS)

027. PUPIL PERSONNEL SERVICES CERTIFICATE.

Persons who serve as school counselors, school psychologists, speech-language pathologists, school social workers, school nurses and school audiologists are required to hold the Pupil Personnel Services Certificate, with the respective endorsement(s) for which they qualify. (3-16-04)

01. Counselor Endorsement (K-12). To be eligible for a Pupil Personnel Services Certificate endorsed Counselor K-12, a candidate must have satisfied the following requirements. The Pupil Personnel Services Certificate with a Counselor endorsement is valid for five (5) years. Six (6) semester credit hours are required every five (5) years in order to renew the endorsement. (5-8-09)

a. Hold a master's degree and provide verification of completion of an approved program of graduate study in school guidance and counseling from a college or university approved by the Idaho State Board of Education or the state educational agency of the state in which the program was completed. The program must include successful completion of seven hundred (700) clock hours of supervised field experience, seventy-five percent (75%) of which must be in a K-12 school setting. Substantial amounts of this K-12 experience must be in each of the following levels: elementary, middle/junior high, and high school. Previous school counseling experience may be considered to help offset the field experience clock hour requirement. (5-8-09)

b. An institutional recommendation is required for a Counselor K-12 Endorsement. (5-8-09)

02. School Psychologist Endorsement. This endorsement is valid for five (5) years. In order to renew the endorsement, six (6) professional development credits are required every five (5) years. The renewal credit requirement may be waived if the applicant holds a current valid National Certification for School Psychologists (NCSP) offered through the National Association of School Psychologists (NASP). To be eligible for initial endorsement, a candidate must complete a minimum of sixty (60) graduate semester credit hours which must be accomplished through one (1) of the following options: ()

a. Completion of an approved thirty (30) semester credit hour, or forty-five (45) quarter credit hours, master's degree in education or psychology and completion of an approved thirty (30) semester credit hour, or forty-five (45) quarter credit hour, School Psychology Specialist Degree program, and completion of a minimum of twelve

**STATE DEPARTMENT OF EDUCATION
AUGUST 11, 2011**

hundred (1,200) clock-hour internship within a school district under the supervision of the training institution and direct supervision of a certificated school psychologist.(4-7-11)

b. Completion of an approved sixty (60) semester credit hour, or ninety (90) quarter credit hour, master's degree program in School Psychology, and completion of a minimum of twelve hundred (1,200) clock-hour internship within a school district under the supervision of the training institution and direct supervision of a certificated school psychologist. (4-7-11)

c. Completion of an approved sixty (60) semester credit hour, or ninety (90) quarter credit hour, School Psychology Specialist degree program which did not require a master's degree as a prerequisite, with laboratory experience in a classroom, which may include professional teaching experience, student teaching or special education practicum, and completion of a minimum twelve hundred (1,200) clock-hour internship within a school district under the supervision of the training institution and direct supervision of a certificated school psychologist. (5-8-09)

d. Earn a current and valid National Certification for School Psychologists (NCSP) issued by the National Association of School Psychologists (NASP). ()

03. School Nurse Endorsement. This endorsement is valid for five (5) years. Six (6) credits are required every five (5) years in order to renew the endorsement. Initial endorsement may be accomplished through completion of either requirements in Subsections 027.03.a. or 027.03.b. in addition to the requirement of Subsection 027.03.c. (3-29-10)

a. The candidate must possess a valid nursing (RN) license issued by the Idaho State Board of Nursing, and a bachelor's degree in nursing, education, or a health-related field from an accredited institution. (5-8-09)

b. The candidate must possess a valid professional nursing (RN) license issued by the Idaho State Board of Nursing and have completed nine (9) semester credit hours from a university or college in at least three (3) of the following areas:(5-8-09)

- i. Health program management; (5-8-09)
- ii. Child and adolescent health issues; (5-8-09)
- iii. Counseling, psychology, or social work; or (5-8-09)
- iv. Methods of instruction. (5-8-09)

c. Additionally, each candidate must have two (2) years' full-time (or part-time equivalent) school nursing, community health nursing, or any area of pediatric, adolescent, or family nursing experience. (5-8-09)

STATE DEPARTMENT OF EDUCATION
AUGUST 11, 2011

04. Interim Endorsement - School Nurse. This certificate will be granted for those who do not meet the educational and/or experience requirements but who hold a valid professional nursing (RN) license in Idaho. An Interim Certificate - will be issued for three (3) years while the applicant is meeting the educational requirements, and it is not renewable. (3-29-10)

05. Speech-Language Pathologist Endorsement. This endorsement is valid for five (5) years. Six (6) credits are required every five (5) years in order to renew the endorsement. Initial endorsement will be issued to candidates who possess a master's degree from an accredited college or university in a speech/language pathology program approved by the State Board of Education, and who receive an institutional recommendation from an accredited college or university. (3-16-04)

06. Audiology Endorsement. This endorsement is valid for five (5) years. Six (6) credits are required every five (5) years in order to renew the endorsement. Initial endorsement will be issued to candidates who possess a master's degree from an accredited college or university in an audiology program approved by the State Board of Education, and who receive an institutional recommendation from an accredited college or university. (3-16-04)

07. School Social Worker Endorsement. This endorsement is valid for five (5) years. Six (6) credit hours are required every five (5) years in order to renew the endorsement. Initial endorsement may be accomplished through possession of a social work certificate issued by the Idaho Bureau of Occupational Licenses, an institutional recommendation, and completion of one (1) of the following options: (3-16-04)

a. A master's degree in social work from an Idaho college or university approved by the State Board of Education, or a master's degree in social work from an out-of-state college or university. The program must be currently approved by the state educational agency of the state in which the program was completed. (3-16-04)

b. A master's degree in guidance and counseling, sociology, or psychology plus thirty (30) semester credit hours of graduate work in social work education, including course work in all the following areas: understanding the individual; casework method; field placement; social welfare programs and community resources; and research methods. (3-16-04)

08. Interim Endorsement-Speech Language Pathologist. This certificate will be granted for those who do not meet the educational requirements but who hold a bachelor's degree in Speech language pathology and are pursuing a master's degree in order to obtain the pupil personnel services certificate endorsed in speech language pathology. An Interim Certificate will be issued for three (3) years while the applicant is meeting the educational requirements, and it is not renewable. (3-29-10)

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

SUBJECT

Pending Rule – Docket No. 08-0202-1104

REFERENCE

August 11, 2011	Board approved proposed rule changes to IDAPA 08.02.02.015, Rules Governing Uniformity – Idaho Interim Certificate.
June 13-14, 2007	Appeared on the State Board of Education Agenda for approval but was pulled from discussion pending further consideration. The intent of pulling this topic from the agenda was to determine whether or not the Reinstatement of an Expired Certificate belong under the Idaho Interim Certificate or in another section of IDAPA.

APPLICABLE STATUTE, RULE, OR POLICY

Sections 33-114, 33-1254, and 33-1258, Idaho Code

BACKGROUND/DISCUSSION

The clarifying change made between the proposed rule stage and the pending rule stage is in response to a public comment received during the open comment period.

This rule change was initially brought before the Board during its June 13-14, 2007 meeting but was pulled from the agenda pending further discussion. The necessary discussion surrounding the topic was to determine whether or not the Reinstatement of an Expired Certificate belonged under the Idaho Interim Certificate or in another section of Idaho Administrative Rules. After much discussion between the Professional Standards Commission and the Department's Teacher Certification Office, it was ultimately determined that the reinstatement of an expired certificate did mandate a nonrenewable three (3) year Interim Certificate. The most appropriate location for the Reinstatement of an Expired Certificate is under the Idaho Interim Certificate; IDAPA 08.02.02.015

The need for an Interim Certificate for the Reinstatement of an Expired Certificate still exists today. This rule change responds to a statewide challenge in meeting federal guidelines for Highly Qualified teacher status and teacher shortages. This allows for greater flexibility and a shorter timeline for Idaho-trained educators to return to the teaching field with the necessary certification. This change allows for a three (3) year interim certificate to be issued to any Idaho-trained educator whose certificate has expired.

ATTACHMENTS

Attachment 1 – Pending Rule – Docket No. 08-0202-1104

Page 3

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

BOARD ACTION

I move to approve Pending Rule – Docket No. 08-0202-1104, as submitted.

Moved by _____ Seconded by _____ Carried Yes _____ No _____

IDAPA 08
TITLE 02
CHAPTER 02

08.02.02 - RULES GOVERNING UNIFORMITY

015. IDAHO INTERIM CERTIFICATE.

01. Issuance of Interim Certificate. The State Department of Education is authorized to issue a three-year (3) interim certificate to those applicants who hold a valid certificate/license from another state or other entity that participates in the National Association of State Directors of Teacher Education and Certification (NASDTEC) Interstate Agreement. An interim certificate is nonrenewable except under extenuating circumstances.

(4-2-08)

a. Idaho Comprehensive Literacy Course. For all Idaho teachers working on interim certificates, alternate routes or coming from out of the state, completion of a state approved reading instruction course shall be a one-time requirement for full certification. (4-7-11)

b. Technology. Out-of-state applicants will be reviewed by the hiring district for technology deficiencies and may be required to take technology courses to improve their technology skills. (4-7-11)

02. Reinstatement of Expired Certificate. An individual holding an expired Idaho certificate, ~~that has lapsed for one year or greater,~~ may be issued a nonrenewable three (3) year interim certificate. During the validity period of the interim certificate, the applicant must meet all current requirements listed for the specific certificate and endorsement(s) including the appropriate content, pedagogy and performance assessments. ()

03. Foreign Institutions. An educator having graduated from a foreign institution that is listed in the Accredited Degree-Granting Institutions section of the "Accredited Institutions of Postsecondary Education" and having a valid/current teaching certificate/license from the country or province in which the foreign institution is located, may be issued a non-renewable, three (3) year interim certificate. The applicant must also complete the requirements listed in Section 013 of these rules. ()

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**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

SUBJECT

Pending Rule – Docket No. 08-0202-1105

REFERENCE

August 11, 2011

Board approved proposed rule changes to IDAPA 08.02.02.100, Rules Governing Uniformity – Official Vehicle for Approving Teacher Education Programs.

APPLICABLE STATUTE, RULE, OR POLICY

Section 33-1254, 33-1258, and 33-114, Idaho Code

BACKGROUND/DISCUSSION

Changes made between the proposed rule stage and the pending rule stage are in response to confusion expressed in public comments received during the open comment period. The primary change is reinstating reference to the National Council for Accreditation of Teacher Education (NCATE).

The utilization of, and emphasis on, the Idaho Standards for Initial Certification of Professional School Personnel, enables the Idaho State Board of Education to have more oversight of the teacher preparation program approval process. The state will begin to conduct focused reviews of state-specific, core teaching requirements that may be adjusted over time, depending upon state-wide initiatives. The emphasis on state reviews anticipated over the next decade will include integration of technology and use of student data, as well as pre-service preparation that will address effective K-12 practices in the teaching of the *Common Core Standards*.

ATTACHMENTS

Attachment 1 – Pending Rule – Docket No. 08-0202-1105

Page 3

BOARD ACTION

I move to approve Pending Rule – Docket No. 08-0202-1105, as submitted.

Moved by _____ Seconded by _____ Carried Yes _____ No _____

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IDAPA 08
TITLE 02
CHAPTER 02

08.02.02 - RULES GOVERNING UNIFORMITY

100. OFFICIAL VEHICLE FOR APPROVING TEACHER EDUCATION PROGRAMS.
(Section 33-114, Idaho Code) (4-1-97)

01. The Official Vehicle for the Approval of Teacher Education Programs.
The official vehicle for the approval of teacher education programs will be the **National Council for Accreditation of Teacher Education (NCATE)** approved Idaho Standards for the Initial Certification of Professional School Personnel, ~~which~~ **The Idaho Standards** are based upon the accepted national standards for ~~the accreditation of~~ educator preparation and include state-specific, core teaching requirements. The State Department of Education will transmit to the head of each Idaho college or department of education a copy of all revisions to the Idaho Standards for the Initial Certification of Professional School Personnel. Such revisions will take effect and must be implemented within a period not to exceed two (2) years after notification of such revision. ()

02. Reference Availability. The Idaho Standards for the Initial Certification of Professional School Personnel, incorporated by reference in Subsection 004.01, are available for inspection ~~Copies of this document can be found~~ on the Office of the State Board of Education website at www.boardofed.idaho.gov. ()

03. Continuing Approval.
a. The state of Idaho will follow ~~the a-Nnational accreditation Council for~~ **Accreditation of Teacher Education (NCATE)** model by which institutions shall pursue continuing approval through a full program review every seven (7) years. The full program review shall be based upon the Idaho Standards for Initial Certification of Professional School Personnel. ()

b. The state of Idaho will additionally conduct focused reviews of state-specific, core teaching requirements in the interim, not to exceed every third year following the full program review. ()

04. Payment Responsibilities for Teacher Preparation Program Reviews.
The Professional Standards Commission is responsible for Idaho teacher preparation program reviews, including assigning responsibility for paying for program reviews. To implement the reviews, it is necessary that: (4-6-05)

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

a. The Professional Standards Commission pay for all in-state expenses for on-site teacher preparation reviews from its budget. (4-6-05)

b. Requesting institutions pay for all out-of-state expenses related to on-site teacher preparation program reviews. (4-6-05)

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

SUBJECT

Pending Rule – Docket No. 08-0202-1106

REFERENCE

August 11, 2011	Board approved proposed rule changes to IDAPA 08.02.02.120, Rules Governing Uniformity – Local District Evaluation Policy.
August 20, 2009	M/S (Luna/Soltman): To approve the pending rule – Docket 08-0202-901 – Local District Evaluation Policy. <i>Motion carried unanimously.</i>

APPLICABLE STATUTE, RULE, OR POLICY

Section 33-513, Idaho Code
Section 33-514, Idaho Code
Idaho Administrative Code, IDAPA 08.02.02.120, Local District Evaluation Policy

BACKGROUND/DISCUSSION

The change made between the proposed rule stage and the pending rule stage are due to comments received from the Idaho School Boards Association and public comments received during the open comment period. Idaho Code statute does not refer to a specific start date for Parent Input.

The Students Come First laws require that parent input be included in teacher and school-based administrator evaluations and that at least fifty percent (50%) of administrator and teacher evaluations are based on growth in student achievement, as determined by the board of trustees. The changes to this rule further clarify the new parent input and growth in student achievement requirements. They also make the domains and components of the teacher evaluation framework consistent with Charlotte Danielson's Framework for Teaching, Second Edition (as referenced in the rule) and correct Idaho Code citations.

ATTACHMENTS

Attachment 1 – Pending Rule – Docket No. 08-0202-1106

Page 3

BOARD ACTION

I move to approve Pending Rule – Docket No. 08-0202-1106, as submitted.

Moved by _____ Seconded by _____ Carried Yes _____ No _____

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**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

IDAHO ADMINISTRATIVE CODE
State Board of Education

IDAPA 08.02.02
Rules Governing Uniformity

120. LOCAL DISTRICT EVALUATION POLICY.

Each school district board of trustees will develop and adopt policies for teacher performance evaluation in which criteria and procedures for the evaluation of certificated personnel are research based and aligned to Charlotte Danielson's Framework for Teaching Second Edition domains and components of instruction. The process of developing criteria and procedures for certificated personnel evaluation will allow opportunities for input from those affected by the evaluation; i.e., trustees, administrators and teachers. The evaluation policy will be a matter of public record and communicated to the certificated personnel for whom it is written. (3-29-10)

01. Standards. Each district evaluation model shall be aligned to state minimum standards that are based on Charlotte Danielson's Framework for Teaching Second Edition domains and components of instruction. Those domains and components include: (3-29-10)

- a.** Domain 1 - Planning and Preparation: (3-29-10)
 - i. Demonstrating Knowledge of Content and Pedagogy; (3-29-10)
 - ii. Demonstrating Knowledge of Students; (3-29-10)
 - iii. Setting Instructional Outcomes; ()
 - iv. Demonstrating Knowledge of Resources; (3-29-10)
 - v. Designing Coherent Instruction; and (3-29-10)
 - vi. Designing Student Assessments. ()
- b.** Domain 2 – The Classroom Environment: ()
 - i. Creating an Environment of Respect and Rapport; (3-29-10)
 - ii. Establishing a Culture for Learning; (3-29-10)
 - iii. Managing Classroom Procedures; (3-29-10)
 - iv. Managing Student Behavior; and (3-29-10)
 - v. Organizing Physical Space. (3-29-10)
- c.** Domain 3 - Instruction and Use of Assessment: (3-29-10)

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- i. Communicating with Students; ()
- ii. Using Questioning and Discussion Techniques; (3-29-10)
- iii. Engaging Students in Learning; (3-29-10)
- iv. Using Assessment in Instruction; and ()
- v. Demonstrating Flexibility and Responsiveness. (3-29-10)
- d. Domain 4 - Professional Responsibilities:** (3-29-10)
 - i. Reflecting on Teaching; (3-29-10)
 - ii. Maintaining Accurate Records; (3-29-10)
 - iii. Communicating with Families; (3-29-10)
 - iv. Participating in a Professional Community; ()
 - v. Growing and Developing Professionally; and (3-29-10)
 - vi. Showing Professionalism. (3-29-10)

02. Parent Input. ~~For evaluations conducted on or after July 1, 2012, i~~Input from the parents and guardians of students shall be considered as a factor in the evaluation of any school-based certificated employees. For such certificated employees on a Category A, B or grandfathered renewable contract, this input shall be part of the first ~~half~~portion of the evaluation (as stipulated in 33-514, subsection 4, Idaho Code) that must be completed before February 1 of each year (Section 33-513 and 33-514, Idaho Code). ()

03. Student Achievement. For evaluations conducted on or after July 1, 2012, all certificated employees must receive an evaluation in which at least 50% of the evaluation results are based on objective measures of growth in student achievement as determined by the board of trustees. This student achievement portion of the evaluation shall be completed by the end of the school year in which the evaluation takes place (Section 33-513 and 33-514, Idaho Code). ()

04. Participants. Each district evaluation policy will include provisions for evaluating all certificated employees identified in Section 33-1001, Idaho Code, Subsection 16, and each school nurse and librarian. Policies for evaluating certificated employees should identify the differences, if any, in the conduct of evaluations for nonrenewable contract personnel and renewable contract personnel. ()

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

05. Evaluation Policy - Content. Local school district policies will include, at a minimum, the following information: (4-1-97)

a. Purpose -- statements that identify the purpose or purposes for which the evaluation is being conducted; e.g., individual instructional improvement, personnel decisions. (4-1-97)

b. Evaluation criteria -- statements of the general criteria upon which certificated personnel will be evaluated. (4-1-97)

c. Evaluator -- identification of the individuals responsible for appraising or evaluating certificated personnel performance. The individuals assigned this responsibility should have received training in evaluation. (4-1-97)

d. Sources of data -- description of the sources of data used in conducting certificated personnel evaluations. For classroom teaching personnel, classroom observation should be included as one (1) source of data. (4-1-97)

e. Procedure -- description of the procedure used in the conduct of certificated personnel evaluations. (4-1-97)

f. Communication of results -- the method by which certificated personnel are informed of the results of evaluation. (4-1-97)

g. Personnel actions -- the action, if any, available to the school district as a result of the evaluation and the procedures for implementing these actions; e.g., job status change. Note: in the event the action taken as a result of evaluation is to not renew an individual's contract or to renew an individual's contract at a reduced rate, school districts should take proper steps to follow the procedures outlined in Sections 33-513 through 33-515, Idaho Code in order to assure the due process rights of all personnel. (4-1-97)

h. Appeal -- the procedure available to the individual for appeal or rebuttal when disagreement exists regarding the results of certificated personnel evaluations. (4-1-97)

i. Remediation -- the procedure available to provide remediation in those instances where remediation is determined to be an appropriate course of action. (4-1-97)

j. Monitoring and evaluation. -- A description of the method used to monitor and evaluate the district's personnel evaluation system. (4-1-97)

k. Professional development and training -- a plan for ongoing training for

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

evaluators/administrators and teachers on the districts evaluation standards, tool and process. (3-29-10)

l. Funding -- a plan for funding ongoing training and professional development for administrators in evaluation. (3-29-10)

m. Collecting and using data -- a plan for collecting and using data gathered from the evaluation tool that will be used to inform professional development. (3-29-10)

n. A plan for how evaluations will be used to identify proficiency and define a process that identifies and assists teachers in need of improvement. (3-29-10)

o. A plan for including all stakeholders including, but not limited to, teachers, board members, and administrators in the development and ongoing review of their teacher evaluation plan. (3-29-10)

06. Evaluation Policy - Frequency of Evaluation. The evaluation policy should include a provision for evaluating all certificated personnel on a fair and consistent basis. All contract personnel shall be evaluated at least once annually. ()

07. Evaluation Policy - Personnel Records. Permanent records of each certificated personnel evaluation will be maintained in the employee's personnel file. All evaluation records will be kept confidential within the parameters identified in federal and state regulations regarding the right to privacy (Section 33-518, Idaho Code).(4-1-97)

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

SUBJECT

Pending Rule – Docket No. 08-0203-1101

REFERENCE

May 18, 2011

M/S (Edmunds/Atchley): To approve the temporary and proposed rule IDAPA 08.02.03.004.07, Rules Governing Thoroughness, Incorporation by Reference, The Idaho Alternative Assessment Extended Achievement Standards.

September 28, 2010

M/S (Agidius/Lewis): To approve the Proficiency Level Achievement Scores and Performance Level Descriptors for the Idaho Standards Achievement Tests-Alternate in Reading, Language Usage, Mathematics and Science, as submitted. *Motion carried unanimously.*

M/S (Agidius/Lewis): to approve the temporary rule IDAPA 08.02.03.004.07, Rules Governing Thoroughness, Incorporation by Reference, the Idaho Alternative Assessment Extended Achievement Standards, as submitted. *Motion carried unanimously.*

APPLICABLE STATUTE, RULE, OR POLICY

Sections 33-105, 33-107, 33-2002, Idaho Code
34 CFR Part 200 Elementary and Secondary Education Act

BACKGROUND/DISCUSSION

There were no public comments received during the open comment period.

In September 2010, the ISAT-Alternate Achievement Standards were approved by the State Board of Education as a temporary rule. Idaho had been granted a waiver to develop a new alternate assessment to meet the Individuals with Disabilities Act (IDEA 2004) and the Elementary and Secondary Education Act of 1965 as reauthorized in 2001 and called the No Child Left Behind Act (NCLB). That waiver and timeline for development required that a temporary rule be put into place in order for the state to complete and report Adequate Yearly Progress (AYP). As a temporary rule, this authority expired at the end of the 2011 legislative session. This item is being brought forward in May 2011 as a temporary and proposed rule to put these achievement levels into place long term. The Reading and Language Usage achievement levels are exactly the same as was presented in September 2010. The Science and Mathematics achievement levels were reset in April 2011 based on the recommendations of the standards setting participants to add a fourth complexity level.

ATTACHMENTS

Attachment 1 – Pending Rule – Docket No. 08-0203-1101

Page 3

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

BOARD ACTION

A motion to approve Pending Rule – Docket No. 08-0203-1101, as submitted.

Moved by _____ Seconded by _____ Carried Yes _____ No _____

IDAPA 08
TITLE 02
CHAPTER 03

08.02.03 - RULES GOVERNING THOROUGHNESS

004. INCORPORATION BY REFERENCE.

The following documents are incorporated into this rule: (3-30-07)

01. The Idaho Content Standards. The Idaho Content Standards as adopted by the State Board of Education. Individual subject content standards are adopted in various years in relation to the curricular materials adoption schedule. Copies of the document can be found on the State Board of Education www.boardofed.idaho.gov. (3-29-10)

- a. Driver Education, as revised and adopted on August 21, 2008. (3-29-10)
- b. Health, as revised and adopted on April 17, 2009. (3-29-10)
- c. Humanities Categories: (3-29-10)
 - i. Art, as revised and adopted on April 17, 2009; (3-29-10)
 - ii. Dance, as revised and adopted on April 17, 2009; (3-29-10)
 - iii. Drama, as revised and adopted on April 17, 2009; (3-29-10)
 - iv. Interdisciplinary, as revised and adopted on April 17, 2009; (3-29-10)
 - v. Music, as revised and adopted on April 17, 2009; (3-29-10)
 - vi. World languages, as revised and adopted on April 17, 2009. (3-29-10)
- d. English Language Arts, as revised and adopted on August 11, 2010. (4-7-11)
- e. Limited English Proficiency, as revised and adopted on August 21, 2008. (3-29-10)
- f. Mathematics, as revised and adopted on August 11, 2010. (4-7-11)
- g. Physical Education, as revised and adopted on April 17, 2009. (3-29-10)
- h. Science, as revised and adopted on April 17, 2009. (3-29-10)

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- i. Social Studies, as revised and adopted on April 17, 2009. (3-29-10)
 - j. Information and Communication Technology, as revised and adopted on April 22, 2010. (4-7-11)
- 02. The Idaho English Language Development Standards.** The Idaho English Language Development Standards as adopted by the State Board of Education on August 10, 2006. Copies of the document can be found on the State Board of Education at www.boardofed.idaho.gov. (4-2-08)
- 03. The Limited English Proficiency Program Annual Measurable Achievement Objectives (AMAOs) and Accountability Procedures.** The Limited English Proficiency Program Annual Measurable Achievement Objectives and Accountability Procedures as adopted by the State Board of Education on November 11, 2009. Copies of the document can be found on the State Department of Education www.boardofed.idaho.gov. (4-7-11)
- 04. The Idaho English Language Assessment (IELA) Achievement Standards.** The Idaho English Language Assessment (IELA) Achievement Standards as adopted by the State Board of Education on November 11, 2009. Copies of the document can be found on the State Department of Education www.boardofed.idaho.gov. (4-7-11)
- 05. The Idaho Standards Achievement Tests (ISAT) Achievement Standards.** Achievement Standards as adopted by the State Board of Education on May 30, 2007. Copies of the document can be found on the State Board of Education www.boardofed.idaho.gov. (4-2-08)
- 06. The Idaho Extended Content Standards.** The Idaho Extended Content Standards as adopted by the State Board of Education on April 17, 2008. Copies of the document can be found at the State Board of Education www.boardofed.idaho.gov. (5-8-09)
- 07. The Idaho Alternative Assessment Achievement Standards.** Alternative Assessment Achievement Standards as adopted by the State Board of Education on May 18, 2011. Copies of the document can be found on the State Board of Education www.boardofed.idaho.gov. (5-18-11)T
- 08. The Idaho Standards for Infants, Toddlers, Children, and Youth Who Are Deaf or Hard of Hearing.** As adopted by the State Board of Education on October 11, 2007. Copies of the document can be found on the State Board of Education www.boardofed.idaho.gov. (4-2-08)

STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011

09. The Idaho Standards for Infants, Toddlers, Children, and Youth Who Are Blind or Visually Impaired. As adopted by the State Board of Education on October 11, 2007. Copies of the document can be found on the State Board of Education www.boardofed.idaho.gov. (4-2-08)

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**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

SUBJECT

Pending Rule – Docket No. 08-0203-1103

REFERENCE

August 11, 2011	Board approved proposed rule changes to IDAPA 08.02.03.111, Rules Governing Thoroughness – Assessment in the Public Schools.
June 17, 2010	M/S (Atchley/Edmunds): To approve the request by the Idaho State Department of Education to waive IDAPA 08.02.03.111.07.b for the 2010-2011 school year which requires the State Department of Education to administer the Direct Math and Direct Writing Assessment. <i>Motion carried unanimously.</i>

APPLICABLE STATUTE, RULE, OR POLICY

Section 33-105, Idaho Code, Rules—Executive department;
Idaho Administrative Code, IDAPA 08.02.03 Rules Governing Thoroughness;
Section 111, Assessment in the Public Schools; Subsections 03, 06, and 07

BACKGROUND/DISCUSSION

There were no public comments received during the open comment period. The changes made between the proposed rule stage and the pending rule reflect removal of additional references to the Direct Math Assessment (DMA) and Direct Writing Assessment (DWA) tests; and a change to correct the grade levels in IDAPA 08.02.03.111.13a.

IDAPA 08.02.01.001, allows the State Board of Education to grant a waiver of any rule not required by state or federal law to any school district upon written request. In June, 2010, the State Department of Education (SDE) received a waiver to discontinue the Direct Math (DMA) and Direct Writing Assessments (DWA) under IDAPA 08.02.03.111 for the 2010-2011 school year. SDE sought the waiver because the state is moving to the next generation of assessments through using the state's Common Core Standards and associated assessments. There were concerns about reliability in scoring the tests as they are hand scored. Previous resources used to fund DWA and DMA are now being used to develop end of course assessments.

The Department requested changing the IDAPA rules cited by removing reference to Direct Writing Assessment (DMA) and Direct Math Assessment (DMA). The DWA and DMA have served their purpose, and SDE is focusing efforts on end of course assessments, the next generation of assessments, and the administration of a college entrance exam for all juniors.

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

ATTACHMENTS

Attachment 1 – Pending Rule – Docket No. 08-0203-1103

Page 3

BOARD ACTION

I move to approve Pending Rule – Docket No. 08-0203-1103, as submitted.

Moved by _____ Seconded by _____ Carried Yes _____ No _____

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

**IDAPA 08
TITLE 02
CHAPTER 03**

08.02.03 - RULES GOVERNING THOROUGHNESS

111. ASSESSMENT IN THE PUBLIC SCHOOLS.

03. Content. The comprehensive assessment program will consist of multiple assessments, including, the Idaho Reading Indicator (IRI), the National Assessment of Educational Progress (NAEP), the Idaho English Language Assessment, the Idaho Standards Achievement Tests (ISAT), the Idaho Alternate Assessment, and a college entrance exam. ()

(BREAK IN CONTINUITY OF SECTIONS)

06. Comprehensive Assessment Program. The State approved comprehensive assessment program is outlined in Subsections 111.06.a. through 111.06.l. Each assessment will be comprehensive of and aligned to the Idaho State Content Standards it is intended to assess. In addition, districts are responsible for writing and implementing assessments in those standards not assessed by the state assessment program. (4-2-08)

a. Kindergarten - Idaho Reading Indicator, Idaho Alternate Assessment, Idaho English Language Assessment. (4-2-08)

b. Grade 1 - Idaho Reading Indicator, Idaho Alternate Assessment, Idaho English Language Assessment. (4-2-08)

c. Grade 2 - Idaho Reading Indicator, Grade 2 Idaho Standards Achievement Tests, Idaho Alternate Assessment, Idaho English Language Assessment. (4-2-08)

d. Grade 3 - Idaho Reading Indicator, Grade 3 Idaho Standards Achievement Tests, Idaho Alternate Assessment, Idaho English Language Assessment. (4-2-08)

e. Grade 4 - National Assessment of Educational Progress, Grade 4 Idaho Standards Achievement Tests, Idaho Alternate Assessment, Idaho English Language Assessment. ()

f. Grade 5 - Grade 5 Idaho Standards Achievement Tests, Idaho Alternate Assessment, Idaho English Language Assessment. ()

g. Grade 6 - Grade 6 Idaho Standards Achievement Tests, Idaho Alternate Assessment, Idaho English Language Assessment. ()

h. Grade 7 - Grade 7 Idaho Standards Achievement Tests, Idaho Alternate Assessment, Idaho English Language Assessment. ()

i. Grade 8 - National Assessment of Educational Progress, Grade 8 Idaho Standards Achievement Tests, Idaho Alternate Assessment, Idaho English Language Assessment. ()

j. Grade 9 - Grade 9 Idaho Standards Achievement Tests, Idaho Alternate Assessment, Idaho English Language Assessment. ()

k. Grade 10 - High School Idaho Standards Achievement Tests, Idaho Alternate Assessment, Idaho English Language Assessment. (4-2-08)

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

- l.** Grade 11 - Idaho English Language Assessment, college entrance exam. ()
- m.** Grade 12 - National Assessment of Educational Progress, Idaho English Language Assessment. (4-2-08)
- n.** Students who achieve a proficient or advanced score on a portion or portions of the ISAT, or the Idaho Alternate Assessment, offered in their tenth grade year or later are not required to continue taking that portion or portions. (5-8-09)
- 07. Comprehensive Assessment Program Schedule.** (5-3-03)
- a.** The Idaho Reading Indicator will be administered in accordance with Section 33-1614, Idaho Code. (3-15-02)
- b.** The National Assessment of Educational Progress will be administered in timeframe specified by the U.S. Department of Education. ()
- c.** The Idaho Standards Achievement Tests will be administered twice annually in the Fall and Spring in a time period specified by the State Board of Education. ()
- d.** The Idaho Alternate Assessment will be administered in a time period specified by the State Board of Education. ()
- e.** The Idaho English Language Assessment will be administered in a time period specified by the State Board of Education. ()
- 08. Costs Paid by the State.** Costs for the following testing activities will be paid by the state: (4-1-97)
- a.** All consumable and non-consumable materials needed to conduct the prescribed statewide comprehensive assessment program; (3-15-02)
- b.** Statewide distribution of all assessment materials; and, ~~(3-15-02)~~()
- c.** Processing and scoring student response forms, distribution of prescribed reports for the statewide comprehensive assessment program; and, ~~(3-15-02)~~()
- d.** ~~Implementation, processing, scoring and distribution of prescribed reports for the Direct Writing Assessment and the Direct Mathematics Assessment.~~ (3-15-02)

(BREAK IN CONTINUITY OF SECTIONS)

- 13. Dual Enrollment.** For the purpose of non-public school student participation in non-academic public school activities as outlined in Section 33-203, Idaho Code, the Idaho State Board of Education recognizes the following: (3-15-02)
- a.** The Idaho Standards Achievement Tests (grades ~~2-3~~-9 and High School). ~~(5-3-03)~~()
- b.** A portfolio demonstrating grade level proficiency in at least five (5) of the subject areas listed in Subsections 111.13.b.i. through 111.13.b.vi. Portfolios are to be judged and confirmed by a committee comprised of at least one (1) teacher from each subject area presented in the portfolio and the building principal at the school where dual enrollment is desired. (4-6-05)
- i.** Language Arts/Communications. (3-15-02)

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

ii.	Math.	(3-15-02)
iii.	Science.	(3-15-02)
iv.	Social Studies.	(3-15-02)
v.	Health.	(3-15-02)
vi.	Humanities.	(3-15-02)

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**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

SUBJECT

Pending Rules – Docket No. 08-0203-1104

REFERENCE

August 11, 2011	Board approved proposed rule changes to IDAPA 08.02.03.105 and 08.02.03.106, Rules Governing Thoroughness.
August 19, 2009	M/S (Luna/Soltman): To approve the proposed amendments to Idaho Administrative Code, IDAPA 08.02.03.105, Rules Governing Thoroughness, High School Graduation Requirements. <i>Motion carried unanimously.</i>

APPLICABLE STATUTE, RULE, OR POLICY

Section 33-1626, Idaho Code
Idaho Administrative Code, IDAPA 08.02.03.105, High School Graduation Requirements
Idaho Administrative Code, IDAPA 08.02.03.106, Advanced Opportunities

BACKGROUND/DISCUSSION

The clarifying changes made between the proposed rule stage and the pending rule stage are in response to comments received from the Idaho School Boards Association and public comments received during the open comment period.

This rule change deals with two aspects of high school graduation requirements: dual credit as it pertains to the senior project requirements and college entrance examinations.

IMPACT

The state could potentially save a small amount of money in the statewide contract with either SAT or ACT if a significant portion of the special education or LEP (3 years or less) populations decide to not take the test.

ATTACHMENTS

Attachment 1 – Pending Rules – Docket No. 08-0203-1104

Page 3

BOARD ACTION

I move to approve Pending Rules – Docket No. 08-0203-1104, as submitted.

Moved by _____ Seconded by _____ Carried Yes _____ No _____

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**IDAPA 08
TITLE 02
CHAPTER 03**

08.02.03 - RULES GOVERNING THOROUGHNESS

105. HIGH SCHOOL GRADUATION REQUIREMENTS.

A student must meet all of the requirements identified in this section before the student will be eligible to graduate from an Idaho high school. The local school district or LEA may establish graduation requirements beyond the state minimum. (5-8-09)

01. Credit Requirements. The State minimum graduation requirement for all Idaho public high schools is forty-two (42) credits. The forty-two (42) credits must include twenty-five (25) credits in core subjects as identified in Paragraphs 105.01.c. through 105.01.h. All credit-bearing classes must be aligned with state high school standards in the content areas for which standards exist. For all public school students who enter high school at the 9th grade level in Fall 2009 or later, the minimum graduation requirement will be forty-six (46) credits and must include twenty-nine (29) credits in core subjects as identified in Paragraphs 105.01.c. through 105.01.h. (8-11-11)T

a. Credits. (Effective for all students who enter the ninth grade in the fall of 2010 or later.) One (1) credit shall equal sixty (60) hours of total instruction. School districts or LEA's may request a waiver from this provision by submitting a letter to the State Department of Education for approval, signed by the superintendent and chair of the board of trustees of the district or LEA. The waiver request shall provide information and documentation that substantiates the school district or LEA's reason for not requiring sixty (60) hours of total instruction per credit. (3-29-10)

b. Mastery. Students may also achieve credits by demonstrating mastery of a subject's content standards as defined and approved by the local school district or LEA. (3-29-10)

c. Secondary Language Arts and Communication. Nine (9) credits are required. Eight (8) credits of instruction in Language Arts. Each year of Language Arts shall consist of language study, composition, and literature and be aligned to the Idaho Content Standards for the appropriate grade level. One (1) credit of instruction in communications consisting of oral communication and technological applications that includes a course in speech, a course in debate, or a sequence of instructional activities that meet the Idaho Speech Content Standards requirements. (3-29-10)

d. Mathematics. Four (4) credits are required. Secondary mathematics includes Applied Mathematics, Business Mathematics, Algebra, Geometry,

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

Trigonometry, Fundamentals of Calculus, Probability and Statistics, Discrete Mathematics, and courses in mathematical problem solving and reasoning. For all public school students who enter high school at the 9th grade level in Fall 2009 or later, six (6) semester credits are required. For such students, secondary mathematics includes instruction in the following areas: (3-29-10)

i. Two (2) credits of Algebra I or courses that meet the Idaho Algebra I Content Standards as approved by the State Department of Education; (3-29-10)

ii. Two (2) credits of Geometry or courses that meet the Idaho Geometry Content Standards as approved by the State Department of Education; and (3-29-10)

iii. Two (2) credits of mathematics of the student's choice. (3-29-10)

iv. Two (2) credits of the required six (6) credits of mathematics must be taken in the last year of high school. (3-29-10)

e. Science. Four (4) credits are required, two (2) of which will be laboratory based. Secondary sciences include instruction in applied sciences, earth and space sciences, physical sciences, and life sciences. (3-29-10)

i. Effective for all public school students who enter high school at the 9th grade level in Fall 2009 or later, six (6) credits will be required. (3-29-10)

ii. Secondary sciences include instruction in the following areas: biology, physical science or chemistry, and earth, space, environment, or approved applied science. Four (4) credits of these courses must be laboratory based. (3-29-10)

f. Social Studies. Five (5) credits are required, including government (two (2) credits), United States history (two (2) credits), and economics (one (1) credit). Courses such as geography, sociology, psychology, and world history may be offered as electives, but are not to be counted as a social studies requirement. (3-29-10)

g. Humanities. Two (2) credits are required. Humanities courses include instruction in visual arts, music, theatre, dance, or world language aligned to the Idaho content standards for those subjects. Other courses such as literature, history, philosophy, architecture, or comparative world religions may satisfy the humanities standards if the course is aligned to the Idaho Interdisciplinary Humanities Content Standards. (3-29-10)

h. Health/Wellness. One (1) credit is required. Course must be aligned to the Idaho Health Content Standards. (3-29-10)

02. Content Standards. Each student shall meet locally established subject area standards (using state content standards as minimum requirements) demonstrated

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

through various measures of accountability including examinations or other measures.
(3-29-10)

03. College Entrance Examination. (Effective for all public school students who enter high school at the 9th grade level in Fall 2009 or later.)

- a.** A student must take one (1) of the following college entrance examinations before the end of the student's eleventh grade year: COMPASS, ACCUPLACER, ACT or SAT. Scores must be included in the Learning Plan. (8-11-11)T
- b.** A student may elect an exemption in their 11th grade year from the college entrance exam requirement if the student is: (8-11-11)T
 - i. Enrolled in a special education program and have an Individual Education Plan (IEP) that specifies accommodations not allowed for a reportable score on the approved tests; or (8-11-11)T
 - ii. Enrolled in a Limited English Proficient (LEP) program for three (3) academic years or less. (8-11-11)T

04. Senior Project. (Effective for all public school students who enter high school at the 9th grade level in Fall 2009 or later.) A student must complete a senior project by the end of grade twelve (12). The project must include a written report and an oral presentation. Additional requirements for a senior project are at the discretion of the local school district or LEA.

(3-29-10)

05. Middle School. If a student completes any required high school course with a grade of C or higher before entering grade nine (9), and if that course meets the same standards that are required in high school, then the student has met the high school content area requirement for such course. However, the student must complete the required number of credits in all high school core subjects as identified in Subsections 105.01.c. through 105.01.h. in addition to the courses completed in middle school. (8-11-11)T

06. Proficiency. Each student must achieve a proficient or advanced score on the Grade 10 Idaho Standards Achievement Test (ISAT) in math, reading and language usage in order to graduate. A student who does not attain at least a proficient score prior to graduation may appeal to the school district or LEA, and will be given an opportunity to demonstrate proficiency of the content standards through some other locally established plan. School districts or LEAs shall adopt an alternate plan and provide notice of that plan to all students who have not achieved a proficient or advanced score on the Grade 10 Idaho Standards Achievement Test by the fall semester of the student's junior year. All locally established alternate plans used to demonstrate proficiency shall be forwarded to the State Board of Education for review

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

and information. Alternate plans must be promptly re-submitted to the Board whenever changes are made in such plans. (4-7-11)

- a.** Before entering an alternate measure, the student must be: (4-2-08)

 - i. Enrolled in a special education program and have an Individual Education Plan (IEP); or (3-20-04)
 - ii. Enrolled in an Limited English Proficient (LEP) program for three (3) academic years or less; or (3-20-04)
 - iii. Enrolled in the fall semester of the senior year. (3-20-04)
- b.** The alternate plan must: (4-7-11)

 - i. Contain multiple measures of student achievement; (4-7-11)
 - ii. Be aligned at a minimum to tenth grade state content standards; (4-7-11)
 - iii. Be aligned to the state content standards for the subject matter in question; (4-7-11)
 - iv. Be valid and reliable; and (4-7-11)
 - v. Ninety percent (90%) of the alternate plan criteria must be based on academic proficiency and performance. (4-7-11)
- c.** A student is not required to achieve a proficient or advanced score on the ISAT if: (5-8-09)

 - i. The student received a proficient or advanced score on an exit exam from another state that requires a standards-based exam for graduation. The state's exit exam must approved by the State Board of Education and must measure skills at the tenth grade level and be in comparable subject areas to the ISAT; (5-8-09)
 - ii. The student completes another measure established by a school district or LEA and received by the Board as outlined in Subsection 105.06; or (3-29-10)
 - iii. The student has an IEP that outlines alternate requirements for graduation or adaptations are recommended on the test; (5-8-09)
 - iv. The student is considered an LEP student through a score determined on a language proficiency test and has been in an LEP program for three (3) academic years or less; (5-8-09)

**STATE DEPARTMENT OF EDUCATION
NOVEMBER 3, 2011**

07. Special Education Students. A student who is eligible for special education services under the Individuals With Disabilities Education Improvement Act must, with the assistance of the student's Individualized Education Program (IEP) team, refer to the current Idaho Special Education Manual for guidance in addressing graduation requirements. (4-11-06)

08. Foreign Exchange Students. Foreign exchange students may be eligible for graduation by completing a comparable program as approved by the school district or LEA. (4-11-06)

106. ADVANCED OPPORTUNITIES (EFFECTIVE JULY 1, 2008).

01. Advanced Opportunities Requirement. All high schools in Idaho shall be required to provide Advanced Opportunities, as defined in Subsection 007.01, or provide opportunities for students to take courses at the postsecondary campus. (8-11-11)T

02. Dual Credit. Students participating in the Dual Credit for Early Completers program (33-1626, Idaho Code) need not have completed their senior project prior to being eligible. However, students must still complete a senior project by the end of grade twelve (12) or their final year of high school. (8-11-11)T

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