

LCB File No. R195-01

**PROPOSED REGULATION OF THE
STATE BOARD OF EDUCATION**

Explanation: Matter in *italics* is new; matter in brackets [] is material to be omitted.

AUTHORITY: NRS 385.080 & (if necessary, provide other statutory authority)

Section 1. NAC 389 is hereby amended as follows:

Section 2. Automotive technology. A course of study in automotive technology must be designed so that pupils meet the following performance standards by the completion of an advanced program of instruction:

1. For the area of safety, the student shall demonstrate safe work practices while performing operations in the automotive technology lab, as demonstrated by the student's ability to:

(a) Demonstrate adherence to general shop safety rules including but not limited to the proper use of safety apparel, use and proper care of hand and power tools, use and proper care of heavy equipment, and safe handling, storage, and disposal of chemicals/hazardous materials in accordance with local, state and federal safety and environmental regulations.

(b) Demonstrate adherence to specific shop fire safety rules and procedures including but not limited to proper use of fire extinguishers and safe handling, storage and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulations.

2. For the area of engine repair, demonstrate automotive service requirements for general engine diagnosis, engine removal and reinstallation, cylinder head and valve trains, engine blocks and lubrication and cooling systems, as demonstrated by the student's ability to:

(a) Perform general engine diagnosis, removal and reinstallation;

(b) Perform cylinder head and valve train diagnosis and repair;

(c) Perform engine block assembly diagnosis and repair;

(d) Perform lubrication and cooling system diagnosis and repair.

3. For the area of automatic transmissions and transaxle, understand automotive service requirements as demonstrated by the student's ability to:

(a) Perform general transmission and transaxle diagnosis;

(b) Perform transmission and transaxle maintenance and adjustment;

(c) Perform in-vehicle transmission and transaxle repair;

(d) Perform off-vehicle transmission and transaxle repair.

4. For the area of manual drive train and axles, understand automotive service requirements as demonstrated by the student's ability to:

(a) Perform clutch diagnosis and repair on real-wheel drive vehicles;

(b) Perform transmission/transaxle diagnosis and repair;

(c) Perform drive-shaft, universal and constant velocity (CV) joint diagnosis and repair;

- (d) Perform drive axle diagnosis and repair;*
- (e) Perform four-wheel /all-wheel drive component diagnosis and repair.*
- 5. For the area of suspension and steering, understand automotive service requirements as demonstrated by the student's ability to:*
 - (a) Perform steering systems diagnosis and repair;*
 - (b) Perform suspension system diagnosis and repair;*
 - (c) Perform wheel alignment diagnosis, adjustment, and repair;*
 - (d) Perform wheel and tire diagnosis and repair.*
- 6. For the area of brakes, understand automotive service requirements as demonstrated by the student's ability to:*
 - (a) Perform hydraulic system diagnosis and repair;*
 - (b) Perform drum brake diagnosis and repair;*
 - (c) Perform disc brake diagnosis and repair;*
 - (d) Perform power assists units diagnosis and repair;*
 - (e) Perform miscellaneous (wheel bearing, parking brakes, electrical, etc.) diagnosis and repair;*
 - (f) Perform anti-lock break system diagnosis and repair.*
- 7. For the area of electrical/electronic systems, understand automotive service requirements as demonstrated by the student's ability to:*
 - (a) Perform general electrical system diagnosis;*
 - (b) Perform battery diagnosis and repair;*
 - (c) Perform starting system diagnosis and repair;*
 - (d) Perform charging system diagnosis and repair;*
 - (e) Perform lighting system diagnosis and repair;*
 - (f) Perform gauges, warning devices, and driver information systems diagnosis and repair;*
 - (g) Perform horn and wiper/washer diagnosis and repair;*
 - (h) Perform accessories diagnosis and repair.*
- 8. For the area of heating and air conditioning, understand automotive service requirements as demonstrated by the student's ability to:*
 - (a) Perform air conditioning system diagnosis and repair;*
 - (b) Perform refrigeration system component diagnosis and repair;*
 - (c) Perform heating, ventilation, and engine cooling system diagnosis and repair;*
 - (d) Perform operating systems and related controls diagnosis and repair;*
 - (e) Perform refrigerant recovery, recycling, and handling;*
- 9. For the area of engine performance, understand automotive service requirements as demonstrated by the student's ability to:*
 - (a) Perform general engine diagnosis;*
 - (b) Perform computerized engine controls diagnosis and repair;*
 - (c) Perform ignition system diagnosis and repair;*
 - (d) Perform fuel, air induction, and exhaust systems diagnosis and repair;*
 - (e) Perform emissions controls systems diagnosis and repair;*
 - (f) Perform engine related service.*
- 10. For the area of employability skills, achieve workplace readiness, career development, and lifelong learning as demonstrated by the student's ability to:*
 - (a) Demonstrate problem-solving skills;*
 - (b) Demonstrate critical-thinking skills;*

- (c) Demonstrate the ability to speak, write, and listen effectively;*
- (d) Demonstrate the ability to select, apply, and maintain appropriate technology;*
- (e) Demonstrate leadership and teamwork skills;*
- (f) Demonstrate sound workplace ethics;*
- (g) Demonstrate the ability to effectively manage resources in high-performance workplaces;*
- (h) Demonstrate career planning and development skills;*
- (i) Demonstrate job retention and lifelong-learning skills.*

**STATE BOARD OF EDUCATION
STATE BOARD FOR OCCUPATIONAL EDUCATION**

**NEVADA ADMINISTRATIVE CODE (NAC)
REGULATION LANGUAGE PROCESS**

Reference: NRS 233b & Administrative Rulemaking Procedural Guide

Overview:

All new or proposed changes to NAC (regulations) of the Department of Education must be adopted by the Nevada State Board of Education/Nevada State Board of Education (SBE), with the following exceptions:

- NAC 391, teacher licensing, under authority of the Commission on Professional Standards in Education;
- NAC 394.300 - .685, under authority of the Commission on Postsecondary Education.

NRS 233b requires that a workshop to solicit comments and at least one public hearing be held. The SBE usually holds two or more public hearings in separate location (per Board Rules for Public Testimony).

A workshop to solicit comments and a public hearing may be held at the same meeting. With a few exceptions, the SBE holds the workshop during the round table discussion and the public hearing in the regular meeting portion.

After SBE adoption, the regulation language becomes effective: 1) upon filing with the Secretary of State; or 2) per effective date indicated in regulation language.

Permanent and Temporary Adoption Periods:

Permanent Adoption Period (June 30 through July 1 after Legislative Session):

- Proposed revisions or new language **are** presented to LCB for appropriate regulatory language (35 days to provide language back to the Department); a LCB File # is assigned.
- After adoption, revised language is returned to LCB (35 days to review and submit to Secretary of State for filing).

Temporary Adoption Period (July 1 through June 30 prior to and during a Legislative Session):

- Proposed revisions or new language **are not** presented to the Legislative Counsel Bureau (LCB) prior to adoption.
- Adopted temporary language is filed directly with the Secretary of State.
- After Legislative Session ends, the adopted temporary language is submitted to LCB for appropriate regulatory language; a LCB File # is assigned.
- A public hearing is held by the SBE to adopt permanent regulation language.

Documents to be prepared by SBE Assistant

Workshop to Solicit Comments:

- Requires a fifteen day posting notice (per NRS 233b).
- Additional three days for mail time.
- A workshop notice is completed; time and location are identified.
- Proposed language **is not** required as part of the workshop notice.

Public Hearing Notice:

- Requires a thirty day posting notice (per NRS 233b).
- Additional three days for mail time.
- A public hearing notice is completed; time and location are identified.
- Proposed language **is** required as part of the hearing notice.

Documents to be prepared by Department Staff:**Proposed Regulatory Language (see pages 3 & 4)**

- Complete regulatory questionnaire.
- Use appropriate format.
- Identify statutory authority for regulation change.
- To be submitted to SBE Assistant at least 35 days before meeting date via e-mail or hardcopy.

Special Timesaver: All current regulation language is located on the Legislature Webpage which may be copied.

SBE Support Document:

- A Board support document is to be completed for **each** public hearing and workshop.
- To be submitted to SBE Assistant by SBE meeting due date.

Attachments:

- Questionnaire (**must** be completed)
- Format for Proposed Regulation Language
- Sample SBE Support Document (see shared drive/STATEBOARD folder/supdoc)

**QUESTIONNAIRE ON PROPOSED REGULATIONS
FOR WORKSHOP/PUBLIC HEARING**

WHEN SUBMITTING ANY PROPOSED REGULATIONS AND/OR AMENDMENTS TO EXISTING REGULATIONS, PLEASE RESPOND TO THE FOLLOWING QUESTIONS:

Name/Title of Proposed Regulation: Revisions to NAC 389 to add occupational skill standards for Automotive Technology

1. Describe the need for and purpose of the proposed revisions to existing regulations or proposed new regulations.

To provide occupational skill standards related to automotive technology programs

2. Describe either a) the terms or substance of the proposed revisions to existing regulations or new regulations, or b) the subjects and issues involved.

The proposed occupational skill standards for automotive technology are new will not be linked to the existing course of study for diesel mechanics and small engines.

3. Provide the annual estimated economic effect of the proposed revisions or new regulation on the business which it is to regulate in terms of adverse, beneficial, immediate and long-term effects (i.e., school districts, schools, etc.).

There is no economic effect on school districts identified.

4. Provide the annual estimated economic effect of the proposed revisions or new regulations on the public which it is to regulate in terms of adverse, beneficial, immediate and long-term effects (i.e., teachers, pupils).

There is no estimated economic effect of the proposed revisions on teachers or pupils.

5. Provide the annual estimated cost to the agency (Department of Education) for enforcement of the proposed revisions or new regulation.

There is no estimated economic effect of the proposed revisions on the Department of Education.

6. Do the proposed revisions or new regulations overlap or duplicate any regulations of other state or local governmental (i.e., federal) agencies? If yes, please explain the necessity of the overlap or duplication.

No.

7. Do the proposed revisions or new regulations establish any new fee or proposes an increase to an existing fee of the agency? If yes, please explain.

No.

COMPLETED BY: Mike Raponi

DATE: 12/10/01