

Minnesota Attorney General: Administrative Rules Proceedings

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Version 3
August 20, 2018

ATTORNEY GENERAL

July 13, 1988

CHARLES T. MOTTL
Assistant Attorney General

MARTHA J. CASSERLY
Special Assistant
Attorney General

6-6839

State Board of Vocational Technical Education
Emergency Rules Relating to Post-Secondary
Vocational Instructor Licenses

I am in receipt of your memorandum requesting reconsideration of the disapproval of the above-captioned rule. I have reviewed and considered the arguments in your memorandum. In addition, I reviewed your memorandum with my supervisor, Christie B. Eller. Upon reconsideration, we decline to withdraw the decision to reject the State Board of Vocational Technical Education (hereinafter "SBVTE") above-captioned Emergency Rules.

I will respond to your written arguments in the order as you have presented them in your memorandum.

1. You first contend that the statutory grant of emergency rulemaking in Minn. Stat. § 136C.04, subd. 9 was not intended to be limited to 180 days. As you have cited, the emergency rulemaking grant in § 136C.04, subd. 9 provides SBVTE with emergency rulemaking authority "when necessary for continuous programs approved by the board and when the board determines that appropriate licensure standards do not exist." You argue that the statute explicitly recognizes that the program is an on-going, continuous type of program. You contend that the authority was not enacted with reference to any specific program or any particular new program as is most common with 180 day limited rulemaking.

As stated in the May 17, 1988 rejection letter, we recognize that the grant of emergency rulemaking was arguably intended to be continuous. Nevertheless, the statutory grant of emergency rulemaking expressly requires SBVTE to adopt the emergency rules according to §§ 14.29 to 14.36. Section 14.29, as you know, provides the 180 day limitation for emergency rulemaking. At the time § 136C.04, subd. 9, referencing section 14.29, was enacted, section 14.29 contained the 180 day limitation.

Furthermore, nowhere does § 14.29 restrain the 180 day limitation to "new or start-up programs," or even make any reference to such restriction. There are several exemptions listed in subdivisions 1 and 3 of § 14.29, and the exemption of "continuous type programs" is not listed. Pursuant to Minn. Stat. § 645.19, "exemptions in the law shall be construed to exclude all others." Accordingly, we cannot agree it is appropriate to read a "continuous type program" exemption into Minn. Stat. § 14.29.

2. You next argue that there is apparently a conflict between Minn. Stat. § 14.29, subd. 2 and Minn. Stat. § 136C.04, subd. 9, and then cite Minn. Stat. § 645.26 which provides that when there is a conflict, the special provision prevails over a general one and a law passed later in date of final enactment will prevail over an earlier one.

We do not agree that there is a conflict between §§ 14.29, subd. 2 and 136C.04, subd. 9. A statute is to be construed, where reasonably possible, so as to avoid irreconcilable differences and conflicts with another statute. Erickson v. Sunset Memorial Park Association, 259 Minn 532, 108 N.W.2d 434 (1961). In the present matter, it is reasonably possible to give effect to all the statutory provisions. SBVTE has the authority to adopt emergency rules when necessary for continuous programs approved by the board and when the board determines that appropriate licensure standards do not exist within 180 days of the effective date of the rule. While SBVTE may not agree with this interpretation, it is, nevertheless, a reasonable interpretation.

3. Your third point is that implied repeals are not favored by the law. We agree. However, the clear, unambiguous language of § 14.29, subd. 2 expressly provides that, unless exempt under subd. 3, "no agency may adopt an emergency rule later than 180 days after the effective date of the statutory authority." Scattered throughout the Minnesota Statutes are a number of statutory grants of emergency rulemaking that no longer have effect after 180 days of their effective date. When the words of a statute are clear and unambiguous, the statute's plain meaning must be given effect.

4. Your final contention is that our office has previously approved SBVTE's emergency rules under this statutory grant more than 180 days after § 136C.04, subd. 9 was enacted. This is correct. Nevertheless, the fact that the reviewer did not catch this particular legal defect in a previous rule does not make it legal. It is unfortunate, as you point out, that the timing of the rejection prevents SBVTE from seeking an immediate legislative response. However, that does not resolve the legal defect.

Therefore, we decline to withdraw the decision to reject SBVTE's emergency rules relating to post-secondary vocational instructor licenses. One option for SBVTE is to consider proceeding with the adoption of permanent rules for these licenses. Although the emergency rulemaking authority has expired, the authority to adopt permanent rules has not expired.

MJC:bbl

STATE OF MINNESOTA

Office Memorandum

DEPARTMENT : ATTORNEY GENERAL - Bremer

DATE : May 26, 1988

TO : MARTHA CASSERLY
Special Assistant Attorney General

FROM : CHARLES T. MOTTL CTM
Assistant Attorney General

PHONE : 296-3854

SUBJECT : YOUR MEMORANDUM OF MAY 17, 1988 RE: STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION EMERGENCY RULES RELATING TO POST-SECONDARY VOCATIONAL INSTRUCTOR LICENSES

This is in response to your memorandum of May 17, 1988 in which you conclude that a statute, still codified, has no effect. For the reasons set out below, I do not believe that your conclusion necessarily follows from the language of Minn. Stat. § 14.29, subd. 2 (1986) and ask that you consider withdrawing that conclusion.

1. It is apparent from the language of section 136C.04, subdivision 9, granting the State Board of Vocational Technical Education (hereinafter "the SBVTE") emergency rulemaking power under certain circumstances, that it was not intended to be limited to 180 days. That subdivision provides in part that:

> The state board may adopt emergency licensure rules, according to sections 14.29 to 14.36 when necessary for continuous programs approved by the board and when the board determines that appropriate licensure standards do not exist.

(Emphasis added.) Nothing in this language suggests that it is only intended to last for 180 days. Indeed, the Legislature, by the very placement of the language in section 136C.04, recognized the ongoing activity of the SBVTE in program approval and the immediate need for licensed teachers for those programs. See, e.g., section 136C.04, subdivision 12. Moreover, the grant of emergency rulemaking authority was not enacted with reference to any specific program or any particular new program of the SBVTE as is most common with 180 day limited rulemaking. Instead, the focus of subdivision 9 is an ongoing activity of the SBVTE and not on any particular program. Representatives of the SBVTE are willing to obtain letters from the authors of the legislation which will support the proposition that it was passed to respond to the SBVTE's ongoing need for emergency rulemaking authority and that it was not intended to expire.

2. Minn. Stat. § 14.29, subd. 2 (1986) relied upon for the conclusion that the authority of the SBVTE to adopt emergency rules,

does not compel the conclusion that the SBVTE's authority has been impliedly repealed. In the present instance, as analyzed in 1. above, it is apparent that a conflict exists between Minn. Stat. § 14.29, subd. 2 and Minn. Stat. § 136C.04, subd. 9. Under Minn. Stat. § 645.26 (1986), where there are conflicts in legislation, a special provision will prevail over a general one and a law passed later in date of final enactment will prevail over an earlier one. Subdivision 9 deals with a particular type of emergency rule, i.e., SBVTE licensure rules under certain circumstances. By contrast, section 14.29, subdivision 2, relates to emergency rules generally. If the law relating to special provisions is to control over the general, the authority of section 136C.04, subdivision 9 must prevail over section 14.29, subdivision 2.

In addition, as noted above, where there is a conflict in the language, the law latest in date of final enactment prevails. The SBVTE's authority was enacted in 1985. Minn. Laws 1985, ch. 122, § 3. It was effective July 1, 1985. Minn. Laws 1985, ch. 122, § 12. By contrast, section 14.29, subdivision 2, was enacted in 1984 and effective in May of 1984. Minn. Laws 1984, ch. 640, § 16. Under this rule of statutory construction, section 136C.04, subdivision 9 also prevails.

3. The conclusion reached in your memorandum effectively results in an implied repeal of a substantial portion of section 136C.04, subdivision 9. Implied repeals are not favored by the Minnesota Supreme Court and should certainly not be encouraged by the Attorney General's Office. See Dunnells Digest, Statutes § 6.01 b (2nd Ser. 1984).

4. The new interpretation of the SBVTE's authority under section 136C.04, subdivision 9, coming at this time, is particularly difficult to accept. It comes, of course, at a time when the SBVTE is deprived of any opportunity of seeking an immediate legislative response. It also comes at a time when the SBVTE is engaged in preparation for the commencement of a new school year and needs the licenses adopted. Finally, the new interpretation is particularly questionable because at least 20 emergency rules on licensure under the authority of section 136C.04, subdivision 9 have been approved by the Attorney General's Office since September of 1986. These include two licenses adopted under this emergency rulemaking authority in September of 1986; 16 licenses adopted under such authority in March of 1987 and two licenses adopted under this authority in August of 1987. These were all adopted and approved more than 180 days after section 136C.04, subdivision 9 was enacted.

Based upon the foregoing, it is my conclusion that a reasonable argument can be made that the emergency rulemaking authority of the SBVTE under the conditions set forth in section 136C.04, subdivision 9 did not expire 180 days after its enactment. While an argument such as put forth in your memorandum may also exist, I

believe that where differing opinions as to the existence of rulemaking authority exist, the agency should be allowed to proceed to adopt its rules. To avoid future problems of this nature, the SBVTE is willing to obtain clarifying language for section 136C.04, subdivision 9. At the same time, however, any such additional language is not currently necessary to support the reasonable argument that the SBVTE presently has emergency rulemaking authority.

On behalf of the SBVTE, I respectfully ask that you withdraw the conclusion that the SBVTE does not have authority to adopt the proposed emergency rules.

If you have any questions regarding the foregoing, please feel free to contact me.

CTM/smo

cc: Joseph Graba
State Director
SBVTE

ATTORNEY GENERAL - Bremer

DATE: May 27, 1988

TO: MARTHA CASSERLY
Special Assistant Attorney General

FROM: CHARLES T. MOTTL
Assistant Attorney General

PHONE: 296-3854

RE: YOUR MEMORANDUM OF MAY 17, 1988 RE: STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION EMERGENCY RULES RELATING TO POST-SECONDARY VOCATIONAL INSTRUCTOR LICENSES

This is in response to your memorandum of May 17, 1988 in which you conclude that a statute, still codified, has no effect. For the reasons set out below, I do not believe that your conclusion necessarily follows from the language of Minn. Stat. § 14.29, subd. 2 (1986) and ask that you consider withdrawing that conclusion.

1. It is apparent from the language of section 136C.04, subdivision 9, granting the State Board of Vocational Technical Education (hereinafter "the SBVTE") emergency rulemaking power under certain circumstances, that it was not intended to be limited to 180 days. That subdivision provides in part that:

> The state board may adopt emergency licensure rules, according to sections 14.29 to 14.36 when necessary for continuous programs approved by the board and when the board determines that appropriate licensure standards do not exist.

(Emphasis added.) Nothing in this language suggests that it is only intended to last for 180 days. Indeed, the Legislature, by the very placement of the language in section 136C.04, recognized the ongoing activity of the SBVTE in program approval and the immediate need for licensed teachers for those programs. See, e.g., section 136C.04, subdivision 12. Moreover, the grant of emergency rulemaking authority was not enacted with reference to any specific program or any particular new program of the SBVTE as is most common with 180 day limited rulemaking. Instead, the focus of subdivision 9 is an ongoing activity of the SBVTE and not on any particular program. Representatives of the SBVTE are willing to obtain letters from the authors of the legislation which will support the proposition that it was passed to respond to the SBVTE's ongoing need for emergency rulemaking authority and that it was not intended to expire.

2. Minn. Stat. § 14.29, subd. 2 (1986) relied upon for the conclusion that the authority of the SBVTE to adopt emergency rules,

does not compel the conclusion that the SBVTE's authority has been impliedly repealed. In the present instance, as analyzed in 1. above, it is apparent that a conflict exists between Minn. Stat. § 14.29, subd. 2 and Minn. Stat. § 136C.04, subd. 9. Under Minn. Stat. § 645.26 (1986), where there are conflicts in legislation, a special provision will prevail over a general one and a law passed later in date of final enactment will prevail over an earlier one. Subdivision 9 deals with a particular type of emergency rule, i.e., SBVTE licensure rules under certain circumstances. By contrast, section 14.29, subdivision 2, relates to emergency rules generally. If the law relating to special provisions is to control over the general, the authority of section 136C.04, subdivision 9 must prevail over section 14.29, subdivision 2.

In addition, as noted above, where there is a conflict in the language, the law latest in date of final enactment prevails. The SBVTE's authority was enacted in 1985. Minn. Laws 1985, ch. 122, § 3. It was effective July 1, 1985. Minn. Laws 1985, ch. 122, § 12. By contrast, section 14.29, subdivision 2, was enacted in 1984 and effective in May of 1984. Minn. Laws 1984, ch. 640, § 16. Under this rule of statutory construction, section 136C.04, subdivision 9 also prevails.

3. The conclusion reached in your memorandum effectively results in an implied repeal of a substantial portion of section 136C.04, subdivision 9. Implied repeals are not favored by the Minnesota Supreme Court and should certainly not be encouraged by the Attorney General's Office. See Dunnells Digest, Statutes § 6.01 b (2nd Ser. 1984).

4. The new interpretation of the SBVTE's authority under section 136C.04, subdivision 9, coming at this time, is particularl difficult to accept. It comes, of course, at a time when the SBVTE is deprived of any opportunity of seeking an immediate legislative response. It also comes at a time when the SBVTE is engaged in preparation for the commencement of a new school year and needs the licenses adopted. Finally, the new interpretation is particularly questionable because at least 20 emergency rules on licensure under the authority of section 136C.04, subdivision 9 have been approved by the Attorney General's Office since September of 1986. These include two licenses adopted under this emergency rulemaking authority in September of 1986; 16 licenses adopted under such authority in March of 1987 and two licenses adopted under this authority in August of 1987. These were all adopted and approved more than 180 days after section 136C.04, subdivision 9 was enacted

Based upon the foregoing, it is my conclusion that a reasonable argument can be made that the emergency rulemaking authority of the SBVTE under the conditions set forth in section 136C.04, subdivision 9 did not expire 180 days after its enactment. While a argument such as put forth in your memorandum may also exist, I

believe that where differing opinions as to the existence of rulemaking authority exist, the agency should be allowed to proceed to adopt its rules. To avoid future problems of this nature, the SBVTE is willing to obtain clarifying language for section 136C.04, subdivision 9. At the same time, however, any such additional language is not currently necessary to support the reasonable argument that the SBVTE presently has emergency rulemaking authority.

On behalf of the SBVTE, I respectfully ask that you withdraw th conclusion that the SBVTE does not have authority to adopt the proposed emergency rules.

If you have any questions regarding the foregoing, please feel free to contact me.

CTM/smo

cc: Joseph Graba
State Director
SBVTE

FILE COPY

SF-00006-05 (4/86)

DEPARTMENT : ATTORNEY GENERAL

STATE OF MINNESOTA

Office Memorandum

DATE : May 17, 1988

TO : HELEN HENRIE
State Board of Vocational Technical Institute
CHARLES T. MOTTL
Assistant Attorney General

FROM : MARTHA J. CASSERLY
Special Assistant
Attorney General

PHONE : 296-6839

SUBJECT : State Board of Vocational Technical Education
Emergency Rules Relating to Post-secondary
Vocational Instructor Licenses

The above-captioned emergency rule has not been approved by the Attorney General because the rule was not adopted within 180 days after the effective date of the statutory authority for emergency rulemaking.

Minn. Stat. § 14.29, subd. 2 (1986) provides that:

> [N]o agency may adopt an emergency rule later than 180 days after the effective date of the statutory authority, except as provided in subdivision 3. If emergency rules are not adopted within the time allowed, the authority for the rules expires.

The authorizing statute for the emergency licensure rules in Minn. Stat. § 136C.04, subd. 9, became effective July 1, 1985 (Laws of 1985, Chapter 122, section 3). However, these rules were not adopted or submitted to the Attorney General's Office until May, 1988, well past the 180 day deadline.

We recognize that the grant of authority for emergency rulemaking was arguably meant to be continuous, since the grant is conditioned upon the board's determination that appropriate licensure standards do not exist. However, the language in section 14.29 is unambiguous as to the expiration of authority for emergency rulemaking. In addition, the Legislature could have expressly exempted the Board from the time limits in section 14.29, but did not.

Unless the Minnesota Legislature adopts statutory language providing new emergency rulemaking authority, the authority to adopt the above-captioned rule has expired and the rule may not become effective. However, the authority to adopt permanent rules has not expired, and your Board might consider proceeding with the adoption of the permanent rules for these licenses.

In addition, the Notice of Intent to adopt the emergency rule did not contain the statement advising the public that a free copy of the proposed rule is available upon request from the agency as required by Minn. Stat. § 14.30 and Minn. Rules 2010.0400 (E)(5).

If you have questions, do not hesitate to contact me.

MJC:sc

cc: Duane Harves
Maryann Hruby
Paul Marinac

RULE REVIEW CHECKLIST

File No. 1478 | Docket No. 05.0009.0831

DATE RECEIVED 5/03/88 | ADOPTED W/O HEARING ____

REVIEW DATE ____ | EMERGENCY RULE X

DUE DATE 5/17/88

REVISOR APPROVED X

APPROVED ____ | REVISOR DISAPPROVED ____

DISAPPROVED 5.17.88 mjc | FILED W/SEC. STATE ____

WITHDRAWN ____ | RETURNED TO AGENCY ____

✓ Rule as adopted (4 copies)

✓ Notice to Solicit Outside Information/Opinion (if applicable)

8/31/87 Date published in State Register

NONE Comments

~~Petition for Adoption of a Rule (if applicable)~~

✓ Board's Authorizing Resolution

8/10/87 Date adopted

✓ Proposed rule

yes Revisor's Certificate

✓ Notice of Intent to Adopt Rule

136c.04 s.9 Statutory Authority

No Small Business Statement

No Expenditure of public money statement

yes Signature

~~Statement of Need and Reasonableness (if applicable)~~

~~Small Business Statement~~

~~Fees - § 16A.128~~

✓ Affidavit of Mailing Notice of Intent to Adopt Rule

2/4/88 Date 30/25 days before adoption

yes Notice attached

yes Copy of rule or summary attached (called)

✓ Publication in State Register

2/8/88 Date 30/25 days before adoption

✓ Resolution Adopting

4/12/88 Date adopted

✓ Findings of FAct, Conclusions & Order Adopting

4/14/88 Date

~~Written requests, submissions or comments~~

✓ Declaration of attorney

Charles Mottl Name of SAAG representing agency

✓ ~~Notice of Submission to Attorney General (if applicable)~~ Notice of Proposed adoption of Rule.

~~Affidavit of Mailing Notice to Attorney General (if applicable)~~

BE

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:

Section 1. Minnesota Statutes 1984, section 123.33, subdivision 14, is amended to read:

Subd. 14. ~~The~~ A school board ~~of any school district of this state~~, including a school board as defined in section 136C.02, subdivision 8, by a two-thirds vote may become a member of ~~an association of~~ a vocational ~~schools~~ association and may appoint one or more of its members to attend the annual meeting of such association. The amount of annual membership dues in the association and actual and necessary expenses incurred in attending such meeting shall be paid as other expenses of the district are paid.

Sec. 2. Minnesota Statutes 1984, section 125.031, is amended to read:

125.031 **LICENSURE, ~~AREA VOCATIONAL-TECHNICAL SCHOOL~~ EXEMPTION FOR AVTI INSTRUCTORS TEACHING LESS THAN 61 HOURS A FISCAL YEAR.**

Notwithstanding section 125.03, subdivision 1, a person who teaches in ~~an adult extension~~ a part-time vocational technical education program not more than 61 hours per fiscal year is exempt from a license requirement.

Sec. 3. Minnesota Statutes 1984, section 136C.04, subdivision 9, is amended to read:

Subd. 9. **LICENSURE.** The state board may promulgate rules, according to the provisions of chapter 14, for licensure of teaching, support, and supervisory personnel in post-secondary and adult vocational education. The state board may adopt emergency licensure rules, according to sections 14.29 to 14.36, when necessary for continuous programs approved by the board and when the board determines that appropriate licensure standards do not exist.

Sec. 4. Minnesota Statutes 1984, section 136C.04, subdivision 12, is amended to read:

Subd. 12. **PROGRAMS.** The state board shall approve, disapprove, and coordinate programs. The state board shall adopt policies that include at least minimum class sizes and placement ratios. After consultation with affected school boards, the state board may add, eliminate, transfer, or change programs as it determines advisable. The state board shall consider the integrated services of secondary, post-secondary, and adult vocational education when it reviews intermediate district programs.

In the case of intermediate districts, the state board may apply the following criteria when adding, eliminating, transferring, or changing programs:

(a) the school board may be allowed to continue offering integrated secondary, post-secondary, and adult programs; and

STATE OF MINNESOTA
Board of Vocational Technical Education

Office Memorandum

TO: Martha Casserly, Special Assistant Attorney General

FROM: Georgia Pomroy, Licensure Revision Specialist

DATE: May 3, 1988

PHONE: 296-0680

SUBJECT: Emergency Licensure Rule

Emergency Rules 3515.0075 to 3515.0084. I have enclosed the following documents for your review:

1. State Register copy or Notice of Solicitation of Outside Opinion.
2. Authorizing resolution by the State Board of Vocational Technical Education (in 2 parts).
3. Copy of proposed rule with Revisor's Certificate of Approval.
4 Signed Notice of Intent to Adopt Proposed Rules as Mailed.
5. Affidavit of Mailing and mailing list.
6. Copy of Notice of Intent to Adopt Proposed Rules/State Register.
7. Four copies of rules as adopted and approved by revisor.
8. Resolution to Adopt by State Board of Vocational Technical Education.
9. Findings of Fact - Conclusions of Law signed by Deputy Director.
10. Declaration by Counsel.

Intent to Solicit Outside Opinion and Authorizing Resolution to Publish Proposed Rules contain five licenses which did not complete to rule:

Building Services Technician and Public Private Housing Management are covered under existing rules.

Fire Protection, Physical Therapy Assistant and Productivity Technician are still in the drafting process.

GP/cs

DEPARTMENT OF THE STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

In the Matter of the Proposed Adoption of the Rule of the State Board of Vocational Technical Education Governing Uncharted Licensure Criteria:
3515.0075 to 3515.0084: Neon and Sign Fabrication, Audio/Recording Specialist, Diesel Fuel Injection Specialist, Plastics Composite Technology, Electric Utility Technician, Security Management, Vibroacoustics Technology, Poultry Production Manager, Advanced Business Communications, and Locksmithing Technician.

NOTICE OF INTENT TO ADOPT A RULE WITHOUT A PUBLIC HEARING

Notice is hereby given that the State Board of Vocational Technical Education intends to adopt the above-entitled emergency rules. The statutory authority to adopt rules is contained in Minnesota Statutes 136c.04, Subdivision 9. The agency, in adopting the rules, is following the procedures set forth in the Administrative Procedure Act for adopting emergency rules in Minnesota Statutes, sections 14.29 to 14.36.

All persons have 30 days until 4:30 p.m. Tuesday, March 1, 1988, after publication to submit data and views on the proposed emergency rule or any part or subpart of the rule in writing. Any comments must be submitted to:

Glenda Moyers, Supervisor
Minnesota Technical Institute System
522 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: (612) 296-6516

Georgia Pomroy, License Revision
Minnesota Technical Institute System
520 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: (612) 296-0680

(A copy of the proposed rule is attached to this notice.)

The proposed emergency rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed emergency rule as noticed.

Upon adoption of the emergency rule by the agency, the emergency rule as adopted and its supporting documents will be delivered to the Attorney General for review as to legality and form to the extent from related to legality. Any person may request notification of the date of submission to the Attorney General. Persons who wish to be advised of the submission of this material to the Attorney General, or who wish to receive a copy of the adopted rule, must submit the written request to Glenda Moyers, Supervisor, or Georgia Pomroy, License Revision Specialist.

The emergency rule will take effect five working days after approval by the Attorney General and be effective for 180 days. The emergency rule will be continued in effect for an additional 180 days if the agency gives notice of continuation in accordance with Minnesota Statutes, section 14.35.

Helen Henrie

Helen Henrie, Deputy Director
Minnesota Technical Institute System

Jan 22 1988
Date

State Board of Vocational Technical Education

Proposed Emergency Rules Relating to Postsecondary Vocational Instructor Licenses

Rules as Proposed (all new material)

3515.0075 [Emergency] NEON AND SIGN FABRICATION.

Subpart 1. **General requirements.** To get a license to teach a neon and sign fabrication program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 8,000 hours in production and repair of neon signage involving neon bending and bombarding or sign fabrication and installation.

Subp. 3. **Occupational recency requirement.** 2,000 of the 8,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution or industrial setting in neon bending and bombarding or sign fabrication and installation may substitute for the occupational recency requirement if obtained during this five-year period. One hour of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 1,050 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must comply with the recency requirement of subpart 3.

A. A diploma or certificate in neon and sign fabrication one-year program equals 1,050 hours.

B. The completion of courses for credit or clock

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hours for credit in neon pattern and layout, sign electricity, sign and letter fabrication and sign erection and service. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0076 [Emergency] AUDIO/RECORDING SPECIALIST.

Subpart 1. **General requirements.** To get a license to teach an audio recording specialist program in the technical occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 6,000 hours as an audio engineer in multitrack recording that includes:

A. talent and project management;

B. troubleshooting audio equipment;

C. project planning and environment;

D. tape mastering;

E. location recording; and

F. musical instrument digital interface (MIDI).

Subp. 3. **Occupational recency requirement.** 1,500 of the 6,000 hours required in subpart 2 must be within the three years before applying for the license.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution, industrial, or military setting for up to 1,000 hours of occupational experience required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

The completion of courses for credit or clock hours for

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credit in audio recording. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0077 [Emergency] DIESEL FUEL INJECTION SPECIALIST.

Subpart 1. **General requirements.** To get a license to teach a diesel fuel injection specialist program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** The applicant must have verified occupational experience of 8,000 hours as an engineer, specialist, technician, or service representative in both:

A. diesel engine operation, repair, and maintenance; and

B. diesel fuel injection operation, repair, and maintenance.

This experience may be with agricultural, automotive, marine, or industrial engines.

Subp. 3. **Occupational recency requirement.** 2,000 of the 8,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting may substitute for the occupational recency requirement if done during this five-year period. This teaching must be in theory and operation of diesel fuel injection or a combination of diesel fuel injection and diesel engines. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution, industrial, or military setting for up to 2,000 hours required

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in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

A. A bachelor or higher degree in:

(1) automotive engineering or mechanical engineering equals 2,000 hours; or

(2) electrical engineering or fluid power engineering equals 1,000 hours.

B. An associate degree in:

(1) diesel fuel injection specialist equals 2,000 hours; or

(2) mechanical engineering, microprocessor technology, electronics engineering technology, electronics technician, or electronics engineering technician equals 1,000 hours.

C. A diploma or certificate in:

(1) diesel fuel injection specialist, industrial engine mechanics, agricultural equipment mechanics, heavy equipment maintenance and repair, or truck and diesel mechanics. A two-year program equals 2,100 hours. A one-year program equals 1,050 hours; or

(2) small engine mechanics, auto mechanics, or fluid power technician. A two-year program equals 1,050 hours. A one-year program equals 525 hours.

D. The completion of courses for credit or clock hours for credit in fluid power, electronics, diesel fuel injection, diesel engines, or mechanical factors of engine performance. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0078 [Emergency] PLASTICS COMPOSITE TECHNOLOGY.

Subpart 1. **General requirements.** To get a license to teach a plastics composite technology program in the trade and industrial occupations area, an applicant must comply with parts

Approved by Revisor _____

3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must comply with subparts 2 and 3.

Subp. 2. **Occupational and educational requirement.** An applicant must have the combination of verified occupational and educational experience described in item A, B, or C.

A. A bachelor or higher degree in materials science, composites engineering, aerospace engineering, chemistry, chemical engineering, mechanical engineering, or physics and 4,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager. This experience must incorporate polymers or plastics in either product design or in manufacturing.

B. A bachelor or higher degree in an engineering field not listed in item A; or an associate degree, two-year certificate, or diploma in plastics composite technology and 6,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager. This experience must incorporate polymers or plastics in either product design or in manufacturing.

C. An associate degree in engineering or plastics technology and 7,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager. This experience must incorporate polymers or plastics in either product design or in manufacturing.

Subp. 3. **Occupational recency requirement.** 2,000 of the hours required in subpart 2 must be within five years before applying for the license. The occupational experience must be in the areas as described in subpart 2, item A, B, or C. Teaching experience at an accredited postsecondary institution, industrial, or military setting may be substituted for 1,000 of the 2,000 hours of occupational recency requirement if done during this five-year period. This teaching must be in plastic composite technology.

Two hours of teaching equals one hour of occupational experience.

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3515.0079 [Emergency] ELECTRIC UTILITY TECHNICIAN.

Subpart 1. **General requirements.** To get a license to teach an electric utility technician program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 6,000 hours as an engineer, technician, or journeyman lineman/electrician in troubleshooting, maintaining, and installing systems in at least two of the following:

A. protection of power lines and equipment;

B. testing and calibration of single phase/polyphase metering devices;

C. maintenance of substation control equipment.

Subp. 3. **Occupational recency requirement.** 2,000 of the 6,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting in electrical transmission and distribution systems, electrical communication systems, or electrical utility systems, may substitute for 1,500 hours of the 2,000 hours of occupational recency requirement if done during this five-year period. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 3,000 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

A. A bachelor or higher degree in electrical

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engineering or electronic engineering technology equals 3,000 hours.

B. An associate degree in electronics engineering technology, electronics technician, or electronics engineering technician equals 1,500 hours.

C. A diploma or certificate in electric utility technician, electronics technology, or instrumentation technology two-year program equals 2,100 hours. A one-year program equals 1,050 hours.

D. The completion of courses for credit or clock hours for credit in electronic technology. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0080 [Emergency] SECURITY MANAGEMENT.

Subpart 1. **General requirements.** To get a license to teach a security management program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 8,000 hours in a manager or supervisory position in plant protection or security in an industrial, institutional, governmental, public utility, corporate, or retail setting.

Subp. 3. **Occupational recency requirement.** 1,500 of the 8,000 hours required in subpart 2 must be within three years before applying for the license. Teaching experience at an accredited postsecondary institution may be substituted for 1,000 of the 8,000 hours of occupational recency requirement if the teaching is done during this three-year period. The teaching must be in industrial security or security management. Two hours of teaching equals one hour of occupational experience.

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Subp. 4. **Substitution for occupational experience.** The applicant may substitute the education described in item A, B, C, or D for up to 3,000 hours of the occupational experience required in subpart 2. The education must be from an accredited postsecondary institution. If the substitution is made, the applicant must still comply with the recent occupational requirement of subpart 3.

A. A bachelor or higher degree in criminal justice, industrial security, security management, or law enforcement may be substituted for 3,000 hours.

B. An associate degree in criminal justice, security management, or law enforcement may be substituted for 2,000 hours.

C. A diploma in security management or law enforcement two-year program equals 2,100 hours. A one-year program equals 1,050 hours.

D. The completion of courses for credit or clock hours for credit in security, emergency procedures, or substance use and abuse. One clock hour of instruction equals one clock hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0081 [Emergency] VIBROACOUSTICS TECHNOLOGY.

Subpart 1. **General requirements.** To get a license to teach a vibroacoustics program in the technical occupational area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must comply with subpart 2, item A or B, and subparts 3 and 4.

Subp. 2. **Educational experience requirement.** The applicant must have the education described in either item A or B:

A. a degree, diploma, or certificate from an accredited postsecondary institution in engineering, science, mathematics, or vibroacoustics; or

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B. a state-issued professional engineering license.

Subp. 3. **Occupational experience requirement.** The applicant must have verified occupational experience of 6,000 hours as a physical scientist, engineer, engineering aide or assistant, engineering technician or technologist, computer scientist or programmer, physicist, scientist, or mathematician. This experience must be in testing and measurements in both acoustics and mechanical vibration.

Subp. 4. **Occupational recency requirement.** 2,000 of the 6,000 hours required in subpart 3 must be within the five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting may be substituted for 1,000 hours of the 2,000 hours of recent occupational experience if done during the five years preceding application for licensure. This teaching must be in acoustics and mechanical vibrations.

3515.0082 [Emergency] POULTRY PRODUCTION MANAGER.

Subpart 1. **General requirements.** To get a license to teach a poultry production manager program in the agricultural occupational area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subparts 2 and 3.

Subp. 2. **Education and occupational experience requirement.** The applicant must have the education and occupational requirement described in either item A or B:

A. A bachelor or higher degree from an accredited postsecondary institution in agriculture with a minimum of 30 quarter or 20 semester credits in poultry science and verified occupational experience of 4,000 hours as a manager, supervisor, or service representative in turkey production, broiler production, breeder flock management, or egg production.

B. Two years postsecondary education from an approved postsecondary institution in poultry production management and verified occupational experience of 6,000 hours as a manager, supervisor, or service representative in turkey production,

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broiler production, breeder flock management, or egg production.

Subp. 3. **Occupational recency requirement.** 1,500 of the hours of occupational experience required in subpart 2, item A or B, must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution may be substituted for 1,000 hours of the 1,500 hours of recent occupational experience if the teaching is done during this five-year period. The teaching must be in poultry production management. Two hours of teaching equals one hour of recent occupational experience.

3515.0083 [Emergency] ADVANCE BUSINESS COMMUNICATIONS.

Subpart 1. **General requirements.** To get a license to teach an advanced business communications program in the business and office occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 6,000 hours as an engineer, technician, coordinator, analyst, manager, supervisor, or programmer in planning, designing, networking, engineering, or field science. This experience must be a combination of:

A. data: mainframe, microcomputers, or minicomputers in a business environment; and

B. voice and data digital communications in a public and/or private telephone exchange environment.

Subp. 3. **Occupational recency requirement.** 2,000 of the 6,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting in digital voice and data communication may substitute for 1,500 of the 2,000 hours of occupational recency if obtained during this five-year period. One hour of teaching equals one

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hour of occupational experience.

Subp. 4. Substitution for occupational experience requirement. An applicant may substitute the following education from an accredited postsecondary institution for up to 3,000 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

A. A bachelor or higher degree in: computer science, management information studies, microcomputer studies, electrical engineering technology, or telecommunications equals 3,000 hours.

B. An associate degree in: electronic engineering technology or advanced business communications equals 2,000 hours.

C. A diploma or certificate in an advanced business technology two-year program equals 2,100 hours. A one-year program equals 1,050 hours.

D. The completion of courses for credit or clock hours for credit in: data mainframe, microcomputers or minicomputers, voice or data communications, electronics, or telecommunications.

One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0084 [Emergency] LOCKSMITHING TECHNICIAN.

Subpart 1. General requirements. To get a license to teach a locksmithing technician program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. Occupational experience requirement. The

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applicant must hold a Certified Professional Locksmith (C.P.L.) certification and have verified occupational experience of 8,000 hours as a locksmith.

Subp. 3. **Occupational recency requirement.** 2,000 of the 8,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution or in an industrial or military setting in locksmithing may be substituted for 1,500 of the 2,000 hours of occupational recency required in subpart 2, at the ratio specified. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 2,100 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution, an applicant must still comply with the recency requirement of subpart 3.

A. An associate degree in locksmithing equals 2,000 hours.

B. A diploma in a two-year locksmithing program equals 2,100 hours.

C. The completion of courses for credit or clock hours for credit in locksmithing.

One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

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MEMORANDUM

TO: Persons Registered with the State Board of Vocational Technical Education to Receive Notice of Any Rulemaking Proceedings

FROM: Joseph P. Graba, State Director
State Board of Vocational Technical Education

DATE: January 20, 1988

RE: Notice of Proposed Adoption of Emergency Rules

Enclosed you will find the Notice of Proposed Adoption of Emergency Rules relating to uncharted licensure criteria 3515.0075 to 3515.0084:

Neon and Sign Fabrication
Audio/Recording Specialist
Diesel Fuel Injection Specialist
Plastics Composite Technology
Electric Utility Technician
Security Management
Vibroacoustics Technology
Poultry Production Manager
Advanced Business Communications
Locksmithing Technician

To receive a notice of the date of submission of the proposed emergency rules to the Attorney General, please request that notice by contacting:

Glenda Moyers, Supervisor
State Board of Vocational Technical Education
522 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: (612) 296-6516

Georgia Pomroy, Licensure Revision Specialist
State Board of Vocational Technical Education
520 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: (612) 296-0680

GP:lrv
EMRULES.MEM

Enclosure

State Board of Vocational Technical Education

Adopted Emergency Rules Relating to Postsecondary Vocational Instructor Licenses

Rules as Adopted

3515.0075 [Emergency] NEON AND SIGN FABRICATION.

Subpart 1. **General requirements.** To get a license to teach a neon and sign fabrication program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 8,000 hours in production and repair of neon signage involving neon bending and bombarding or sign fabrication and installation.

Subp. 3. **Occupational recency requirement.** 2,000 of the 8,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution or industrial setting in neon bending and bombarding or sign fabrication and installation may substitute for the occupational recency requirement if obtained during this five-year period. One hour of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 1,050 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must comply with the recency requirement of subpart 3.

A. A diploma or certificate in neon and sign fabrication one-year program equals 1,050 hours.

B. The completion of courses for credit or clock

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hours for credit in neon pattern and layout, sign electricity, sign and letter fabrication and sign erection and service. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0076 [Emergency] AUDIO/RECORDING SPECIALIST.

Subpart 1. **General requirements.** To get a license to teach an audio recording specialist program in the technical occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 6,000 hours as an audio engineer in multitrack recording that includes:

A. talent and project management;

B. troubleshooting audio equipment;

C. project planning and environment;

D. tape mastering;

E. location recording; and

F. musical instrument digital interface (MIDI).

Subp. 3. **Occupational recency requirement.** 1,500 of the 6,000 hours required in subpart 2 must be within the three years before applying for the license.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution, industrial, or military setting for up to 1,000 hours of occupational experience required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

The completion of courses for credit or clock hours for

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credit in audio recording. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0077 [Emergency] DIESEL FUEL INJECTION SPECIALIST.

Subpart 1. **General requirements.** To get a license to teach a diesel fuel injection specialist program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** The applicant must have verified occupational experience of 8,000 hours as an engineer, specialist, technician, or service representative in both:

A. diesel engine operation, repair, and maintenance; and

B. diesel fuel injection operation, repair, and maintenance.

This experience may be with agricultural, automotive, marine, or industrial engines.

Subp. 3. **Occupational recency requirement.** 2,000 of the 8,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting may substitute for the occupational recency requirement if done during this five-year period. This teaching must be in theory and operation of diesel fuel injection or a combination of diesel fuel injection and diesel engines. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution, industrial, or military setting for up to 2,000 hours required

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in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

A. A bachelor or higher degree in:

(1) automotive engineering or mechanical engineering equals 2,000 hours; or

(2) electrical engineering or fluid power engineering equals 1,000 hours.

B. An associate degree in:

(1) diesel fuel injection specialist equals 2,000 hours; or

(2) mechanical engineering, microprocessor technology, electronics engineering technology, electronics technician, or electronics engineering technician equals 1,000 hours.

C. A diploma or certificate in:

(1) diesel fuel injection specialist, industrial engine mechanics, agricultural equipment mechanics, heavy equipment maintenance and repair, or truck and diesel mechanics. A two-year program equals 2,100 hours. A one-year program equals 1,050 hours; or

(2) small engine mechanics, auto mechanics, or fluid power technician. A two-year program equals 1,050 hours. A one-year program equals 525 hours.

D. The completion of courses for credit or clock hours for credit in fluid power, electronics, diesel fuel injection, diesel engines, or mechanical factors of engine performance. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0078 [Emergency] PLASTICS COMPOSITE TECHNOLOGY.

Subpart 1. **General requirements.** To get a license to teach a plastics composite technology program in the trade and industrial occupations area, an applicant must comply with parts

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3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must comply with subparts 2 and 3.

Subp. 2. **Occupational and educational requirement.** An applicant must have the combination of verified occupational and educational experience described in item A, B, or C.

A. A bachelor or higher degree in materials science, composites engineering, aerospace engineering, chemistry, chemical engineering, mechanical engineering, or physics and 4,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager. This experience must incorporate polymers or plastics in either product design or in manufacturing.

B. A bachelor or higher degree in an engineering field not listed in item A and 6,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager; or an associate degree, two-year certificate, or diploma in plastics composite technology and 6,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager. ~~This~~ In either case, the experience must incorporate polymers or plastics in either product design or in manufacturing.

C. An associate degree in engineering or plastics technology and 7,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager. This experience must incorporate polymers or plastics in either product design or in manufacturing.

Subp. 3. **Occupational recency requirement.** 2,000 of the hours required in subpart 2 must be within five years before applying for the license. The occupational experience must be in the areas as described in subpart 2, item A, B, or C. Teaching experience at an accredited postsecondary institution, industrial, or military setting may be substituted for 1,000 of the 2,000 hours of occupational recency requirement if done during this five-year period. This teaching must be in plastic composite technology.

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Two hours of teaching equals one hour of occupational experience.

3515.0079 [Emergency] ELECTRIC UTILITY TECHNICIAN.

Subpart 1. **General requirements.** To get a license to teach an electric utility technician program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 6,000 hours as an engineer, technician, or journeyman lineman/electrician in troubleshooting, maintaining, and installing systems in at least two of the following:

A. protection of power lines and equipment;

B. testing and calibration of single phase/polyphase metering devices;

C. maintenance of substation control equipment.

Subp. 3. **Occupational recency requirement.** 2,000 of the 6,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting in electrical transmission and distribution systems, electrical communication systems, or electrical utility systems, may substitute for 1,500 hours of the 2,000 hours of occupational recency requirement if done during this five-year period. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 3,000 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of

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subpart 3.

A. A bachelor or higher degree in electrical engineering or electronic engineering technology equals 3,000 hours.

B. An associate degree in electronics engineering technology, electronics technician, or electronics engineering technician equals 1,500 hours.

C. A diploma or certificate in electric utility technician, electronics technology, or instrumentation technology two-year program equals 2,100 hours. A one-year program equals 1,050 hours.

D. The completion of courses for credit or clock hours for credit in electronic technology. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0080 [Emergency] SECURITY MANAGEMENT.

Subpart 1. **General requirements.** To get a license to teach a security management program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 8,000 hours in a manager or supervisory position in plant protection or security in an industrial, institutional, governmental, public utility, corporate, or retail setting.

Subp. 3. **Occupational recency requirement.** 1,500 of the 8,000 hours required in subpart 2 must be within three years before applying for the license. Teaching experience at an accredited postsecondary institution may be substituted for 1,000 of the 8,000 hours of occupational recency requirement if the teaching is done during this three-year period. The

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teaching must be in industrial security or security management. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute the education described in item A, B, C, or D for up to 3,000 hours of the occupational experience required in subpart 2. The education must be from an accredited postsecondary institution. If the substitution is made, the applicant must still comply with the recent occupational requirement of subpart 3.

A. A bachelor or higher degree in criminal justice, industrial security, security management, or law enforcement may be substituted for 3,000 hours.

B. An associate degree in criminal justice, security management, or law enforcement may be substituted for 2,000 hours.

C. A diploma in security management or law enforcement two-year program equals 2,100 hours. A one-year program equals 1,050 hours.

D. The completion of courses for credit or clock hours for credit in security, emergency procedures, or substance use and abuse. One clock hour of instruction equals one clock hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0081 [Emergency] VIBROACOUSTICS TECHNOLOGY.

Subpart 1. **General requirements.** To get a license to teach a vibroacoustics program in the technical occupational area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must comply with subpart 2, item A or B, and subparts 3 and 4.

Subp. 2. **Educational experience requirement.** The applicant must have the education described in either item A or B:

A. a degree, diploma, or certificate from an

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accredited postsecondary institution in engineering, science, mathematics, or vibroacoustics; or

B. a state-issued professional engineering license.

Subp. 3. **Occupational experience requirement.** The applicant must have verified occupational experience of 6,000 hours as a physical scientist, engineer, engineering aide or assistant, engineering technician or technologist, computer scientist or programmer, physicist, scientist, or mathematician. This experience must be in testing and measurements in both acoustics and mechanical vibration.

Subp. 4. **Occupational recency requirement.** 2,000 of the 6,000 hours required in subpart 3 must be within the five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting may be substituted for 1,000 hours of the 2,000 hours of recent occupational experience if done during the five years preceding application for licensure. This teaching must be in acoustics and mechanical vibrations.

3515.0082 [Emergency] POULTRY PRODUCTION MANAGER.

Subpart 1. **General requirements.** To get a license to teach a poultry production manager program in the agricultural occupational area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subparts 2 and 3.

Subp. 2. **Education and occupational experience requirement.** The applicant must have the education and occupational requirement described in either item A or B:

A. A bachelor or higher degree from an accredited postsecondary institution in agriculture with a minimum of 30 quarter or 20 semester credits in poultry science and verified occupational experience of 4,000 hours as a manager, supervisor, or service representative in turkey production, broiler production, breeder flock management, or egg production.

B. Two years postsecondary education from an approved postsecondary institution in poultry production management and

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verified occupational experience of 6,000 hours as a manager, supervisor, or service representative in turkey production, broiler production, breeder flock management, or egg production.

Subp. 3. **Occupational recency requirement.** 1,500 of the hours of occupational experience required in subpart 2, item A or B, must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution may be substituted for 1,000 hours of the 1,500 hours of recent occupational experience if the teaching is done during this five-year period. The teaching must be in poultry production management. Two hours of teaching equals one hour of recent occupational experience.

3515.0083 [Emergency] ADVANCE BUSINESS COMMUNICATIONS.

Subpart 1. **General requirements.** To get a license to teach an advanced business communications program in the business and office occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 6,000 hours as an engineer, technician, coordinator, analyst, manager, supervisor, or programmer in planning, designing, networking, engineering, or field ~~science~~ service. This experience must be a combination of:

A. data: mainframe, microcomputers, or minicomputers in a business environment; and

B. voice and data digital communications in a public and/or private telephone exchange environment.

Subp. 3. **Occupational recency requirement.** 2,000 of the 6,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting in digital voice and data communication may substitute

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for 1,500 of the 2,000 hours of occupational recency if obtained during this five-year period. One hour of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 3,000 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

A. A bachelor or higher degree in: computer science, management information studies, microcomputer studies, electrical engineering technology, or telecommunications equals 3,000 hours.

B. An associate degree in: electronic engineering technology or advanced business communications equals 2,000 hours.

C. A diploma or certificate in an advanced business technology two-year program equals 2,100 hours. A one-year program equals 1,050 hours.

D. The completion of courses for credit or clock hours for credit in: data mainframe, microcomputers or minicomputers, voice or data communications, electronics, or telecommunications.

One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0084 [Emergency] LOCKSMITHING TECHNICIAN.

Subpart 1. **General requirements.** To get a license to teach a locksmithing technician program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4,

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and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** The applicant must hold a Certified Professional Locksmith (C.P.L.) certification and have verified occupational experience of 8,000 hours as a locksmith.

Subp. 3. **Occupational recency requirement.** 2,000 of the 8,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution or in an industrial or military setting in locksmithing may be substituted for 1,500 of the 2,000 hours of occupational recency required in subpart 2, at the ratio specified. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 2,100 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution, an applicant must still comply with the recency requirement of subpart 3.

A. An associate degree in locksmithing equals 2,000 hours.

B. A diploma in a two-year locksmithing program equals 2,100 hours.

C. The completion of courses for credit or clock hours for credit in locksmithing.

One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

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Office of the Revisor of Statutes

Administrative Rules

TITLE: Adopted Permanent Rules Relating to Postsecondary Vocational Instructor Licenses

AGENCY: State Board of Vocational Technical Education

MINNESOTA RULES: Chapter 3515

The attached rules are approved for filing with the Secretary of State

Richard J. Sands
Senior Assistant Revisor

Office of the Revisor of Statutes
Administrative Rules

Richard J. Sands
Senior Assistant Revisor
296-2798



700 State Office Building
100 Constitution Avenue
St. Paul, MN 55155-1297

April 14, 1988

Georgia Pomroy
State Board of Vocational Technical Education
Capitol Square Building

RE: AR1256E Postsecondary Vocational Instructor Licenses

Dear Ms. Pomroy:

Enclosed are four copies of your rule with the modifications you requested.

Please submit the rules to the Attorney General or the Office of Administrative Hearings, as appropriate.

If you have any questions or need further modifications, please call.

Very truly yours,

Richard J. Sands

RJS/at
Encl.

CERTIFICATE OF THE

STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

AUTHORIZING RESOLUTION

I, Norma McKanna, do hereby certify that I am a member and the President of the State Board of Vocational Technical Education, a board duly authorized under the laws of the State of Minnesota, and that the following is a true, complete, and correct copy of a resolution adopted at a meeting of the State Board of Vocational Technical Education duly and properly called and held on the 10th day of August, 1987, that a quorum was present, and that a majority of those present voted for the resolution which has not been rescinded or modified.

"RESOLVED, that Helen Henrie, Deputy State Director of the State Board of Vocational Technical Education is hereby granted the authority and directed to sign an Order of the State Board of Vocational Technical Education directing the publication in the State Register of proposed emergency rules governing Uncharted Licensure Criteria, Advanced Business Communications Technology, Plastic Composites Technology, Poultry Production Manager, Neon & Sign Fabrication, Building Service Technician, Audio/Recording Specialist, Locksmithing Technician, Diesel Fuel Injection Specialist, Electric Utility Technician, Private/Public Housing Management and Maintenance, as well as perform any and all acts incidental thereto."

IN WITNESS WHEREOF, I have hereunto subscribed my name this 10th day of August, 1987.

Norma McKanna, President
State Board of Vocational Technical Education

==========

2010.9910 **RECOMMENDED CERTIFICATE OF AUTHORIZING RESOLUTION FOR RULE WITHOUT A PUBLIC HEARING.**

CERTIFICATE OF THE

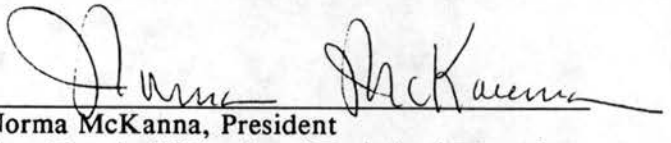
STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

AUTHORIZING RESOLUTION

I, Norma McKanna, do hereby certify that I am a member and the President of the State Board of Vocational Technical Education, a board duly authorized under the laws of the State of Minnesota, and that the following is a true, complete, and correct copy of a resolution adopted at a meeting of the State Board of Vocational Technical Education duly and properly called and held on the 14th day of September 1987, that a quorum was present, and that a majority of those present voted for the resolution which has not been rescinded or modified.

> "RESOLVED, that Helen Henrie, Deputy State Director of the Minnesota Technical Institute System is hereby granted the authority and directed to sign an Order of the State Board of Vocational Technical Education directing the publication in the State Register of proposed emergency rules governing Uncharted Licensure Criteria, Fire Protection, Security Management, Productivity Technician, Vibroacoustics Technology and Physical Therapist Assistant, as well as perform any and all acts incidental thereto."

IN WITNESS WHEREOF, I have hereunto subscribed my name this 14th day of September, 1987.



Norma McKanna, President
State Board of Vocational Technical Education

Georgia Supp. 370

State of Minnesota

STATE REGISTER

Department of Administration—Documents Division



Published every Monday

31 August 1987

Volume 12, Number 9

Pages 353-392

State Board of Vocational Technical Education

Notice of Intent to Solicit Outside Opinion Regarding Proposed Rules Governing the Rules for Licensure of Postsecondary and Adult Vocational Technical Education Personnel

Notice is hereby given that the State Board of Vocational Technical Education is seeking information or opinions from sources outside the agency in preparing to amend *Minnesota Rules*, Chapter Thirty-Five Fifteen: Rules for Licensure of Vocational Technical Education Personnel and specifically in Neon & Sign Fabrication, Building Services Technician, Audio/Recording Specialist, Locksmithing Technician, Electric Utility Commission, Private/Public Housing Management, Poultry Production Manager, Fire Protection, Security Management, Productivity Technician, Vibroacoustics Technology, Physical Therapist Assistant, Advanced Business Communications Technology, Plastics Composite Technology and Diesel Fuel Injection Specialist licenses. The promulgation of these rules is authorized by *Minnesota Statutes* §§ 136C.04, subd. 9 and 125.185 subd. 4.

The State Board of Vocational Technical Education requests information and comments concerning the subject matter of these rules. Interested or affected persons may submit written statements of information or comment orally. Written comments should be addressed to:

Ms. Helen Henrie
Minnesota Technical Institute System
565 Capital Square Bldg.
550 Cedar Street
St. Paul, MN 55101
(612) 297-4575

Ms. Georgia Pomroy
Minnesota Technical Institute System
520 Capital Square Bldg.
550 Cedar Street
St. Paul, MN 55101
(612) 296-0680

Oral statements will be received during regular business hours over the telephone at (612) 296-0680 and in person at the above address.

All statements of information and comments shall be accepted until 4:30 p.m., September 30, 1987. Any written material received by the Minnesota Technical Institute System shall become part of the record in the event that the rules are amended.

Dated: 19 August 1987

Helen Henrie, Deputy Director
Minnesota Technical Institute System

60% Discount on case lots of the 1986 Official Minnesota Hiway Map

Equip your sales force. Drive off with your Minnesota Highway maps for less than 20¢ each (regular retail price: 55¢ each). Discount applies to case lots only, with a minimum order of 1 case (200 maps) at $39.95. Great for workshop folders, conventions and programs. Code #12-52.

Hudson's Street Atlas of the Greater Twin City Metropolitan Area. Includes 186 municipalities, 129 sectional street maps, and 22,000 street listings. Code #12-62, $10.95.

Minnesota Travel and Recreation Guide. Where to go and what to see, canoeing and hiking trails, golf directory, campground directory, "Minne-Tours," state parks, hunting and fishing information and more. 296 pp., code #40-6, $11.95.

Room at the Inn: Guide to Historic Bed and Breakfasts, Hotels and Country Inns Close to the Twin Cities, by Laura Zahn. 127 pp., Code #19-72, $7.95.



TO ORDER: Send to Minnesota Documents Division, 117 University Avenue, St. Paul, MN 55155, (612) 297-3000, or toll-free in Minnesota: 1-800-652-9747 and ask for "DOCUMENTS." Please include 6% sales tax, and $1.50 postage and handling. Prepayment required. Please include daytime phone. VISA/MasterCard orders accepted over phone.

Publication editors: As a public service, please reprint this ad in your publication as is, reduced, enlarged, or redesigned to suit your format. Thank you.

State Board of Vocational Technical Education

Proposed Emergency Rules Relating to Postsecondary Vocational Instructor Licenses

Rules as Proposed (all new material)

3515.0075 [Emergency] NEON AND SIGN FABRICATION.

Subpart 1. **General requirements.** To get a license to teach a neon and sign fabrication program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 8,000 hours in production and repair of neon signage involving neon bending and bombarding or sign fabrication and installation.

Subp. 3. **Occupational recency requirement.** 2,000 of the 8,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution or industrial setting in neon bending and bombarding or sign fabrication and installation may substitute for the occupational recency requirement if obtained during this five-year period. One hour of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 1,050 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must comply with the recency requirement of subpart 3.

A. A diploma or certificate in neon and sign fabrication one-year program equals 1,050 hours.

B. The completion of courses for credit or clock

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hours for credit in neon pattern and layout, sign electricity, sign and letter fabrication and sign erection and service. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0076 [Emergency] AUDIO/RECORDING SPECIALIST.

Subpart 1. **General requirements.** To get a license to teach an audio recording specialist program in the technical occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 6,000 hours as an audio engineer in multitrack recording that includes:

A. talent and project management;

B. troubleshooting audio equipment;

C. project planning and environment;

D. tape mastering;

E. location recording; and

F. musical instrument digital interface (MIDI).

Subp. 3. **Occupational recency requirement.** 1,500 of the 6,000 hours required in subpart 2 must be within the three years before applying for the license.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution, industrial, or military setting for up to 1,000 hours of occupational experience required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

The completion of courses for credit or clock hours for

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credit in audio recording. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0077 [Emergency] DIESEL FUEL INJECTION SPECIALIST.

Subpart 1. **General requirements.** To get a license to teach a diesel fuel injection specialist program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** The applicant must have verified occupational experience of 8,000 hours as an engineer, specialist, technician, or service representative in both:

A. diesel engine operation, repair, and maintenance; and

B. diesel fuel injection operation, repair, and maintenance.

This experience may be with agricultural, automotive, marine, or industrial engines.

Subp. 3. **Occupational recency requirement.** 2,000 of the 8,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting may substitute for the occupational recency requirement if done during this five-year period. This teaching must be in theory and operation of diesel fuel injection or a combination of diesel fuel injection and diesel engines. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution, industrial, or military setting for up to 2,000 hours required

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in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

A. A bachelor or higher degree in:

(1) automotive engineering or mechanical engineering equals 2,000 hours; or

(2) electrical engineering or fluid power engineering equals 1,000 hours.

B. An associate degree in:

(1) diesel fuel injection specialist equals 2,000 hours; or

(2) mechanical engineering, microprocessor technology, electronics engineering technology, electronics technician, or electronics engineering technician equals 1,000 hours.

C. A diploma or certificate in:

(1) diesel fuel injection specialist, industrial engine mechanics, agricultural equipment mechanics, heavy equipment maintenance and repair, or truck and diesel mechanics. A two-year program equals 2,100 hours. A one-year program equals 1,050 hours; or

(2) small engine mechanics, auto mechanics, or fluid power technician. A two-year program equals 1,050 hours. A one-year program equals 525 hours.

D. The completion of courses for credit or clock hours for credit in fluid power, electronics, diesel fuel injection, diesel engines, or mechanical factors of engine performance. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0078 [Emergency] PLASTICS COMPOSITE TECHNOLOGY.

Subpart 1. **General requirements.** To get a license to teach a plastics composite technology program in the trade and industrial occupations area, an applicant must comply with parts

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3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must comply with subparts 2 and 3.

Subp. 2. **Occupational and educational requirement.** An applicant must have the combination of verified occupational and educational experience described in item A, B, or C.

A. A bachelor or higher degree in materials science, composites engineering, aerospace engineering, chemistry, chemical engineering, mechanical engineering, or physics and 4,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager. This experience must incorporate polymers or plastics in either product design or in manufacturing.

B. A bachelor or higher degree in an engineering field not listed in item A; or an associate degree, two-year certificate, or diploma in plastics composite technology and 6,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager. This experience must incorporate polymers or plastics in either product design or in manufacturing.

C. An associate degree in engineering or plastics technology and 7,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager. This experience must incorporate polymers or plastics in either product design or in manufacturing.

Subp. 3. **Occupational recency requirement.** 2,000 of the hours required in subpart 2 must be within five years before applying for the license. The occupational experience must be in the areas as described in subpart 2, item A, B, or C. Teaching experience at an accredited postsecondary institution, industrial, or military setting may be substituted for 1,000 of the 2,000 hours of occupational recency requirement if done during this five-year period. This teaching must be in plastic composite technology.

Two hours of teaching equals one hour of occupational experience.

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3515.0079 [Emergency] ELECTRIC UTILITY TECHNICIAN.

Subpart 1. **General requirements.** To get a license to teach an electric utility technician program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 6,000 hours as an engineer, technician, or journeyman lineman/electrician in troubleshooting, maintaining, and installing systems in at least two of the following:

A. protection of power lines and equipment;

B. testing and calibration of single phase/polyphase metering devices;

C. maintenance of substation control equipment.

Subp. 3. **Occupational recency requirement.** 2,000 of the 6,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting in electrical transmission and distribution systems, electrical communication systems, or electrical utility systems, may substitute for 1,500 hours of the 2,000 hours of occupational recency requirement if done during this five-year period. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 3,000 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

A. A bachelor or higher degree in electrical

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engineering or electronic engineering technology equals 3,000 hours.

B. An associate degree in electronics engineering technology, electronics technician, or electronics engineering technician equals 1,500 hours.

C. A diploma or certificate in electric utility technician, electronics technology, or instrumentation technology two-year program equals 2,100 hours. A one-year program equals 1,050 hours.

D. The completion of courses for credit or clock hours for credit in electronic technology. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0080 [Emergency] SECURITY MANAGEMENT.

Subpart 1. **General requirements.** To get a license to teach a security management program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 8,000 hours in a manager or supervisory position in plant protection or security in an industrial, institutional, governmental, public utility, corporate, or retail setting.

Subp. 3. **Occupational recency requirement.** 1,500 of the 8,000 hours required in subpart 2 must be within three years before applying for the license. Teaching experience at an accredited postsecondary institution may be substituted for 1,000 of the 8,000 hours of occupational recency requirement if the teaching is done during this three-year period. The teaching must be in industrial security or security management. Two hours of teaching equals one hour of occupational experience.

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Subp. 4. **Substitution for occupational experience.** The applicant may substitute the education described in item A, B, C, or D for up to 3,000 hours of the occupational experience required in subpart 2. The education must be from an accredited postsecondary institution. If the substitution is made, the applicant must still comply with the recent occupational requirement of subpart 3.

A. A bachelor or higher degree in criminal justice, industrial security, security management, or law enforcement may be substituted for 3,000 hours.

B. An associate degree in criminal justice, security management, or law enforcement may be substituted for 2,000 hours.

C. A diploma in security management or law enforcement two-year program equals 2,100 hours. A one-year program equals 1,050 hours.

D. The completion of courses for credit or clock hours for credit in security, emergency procedures, or substance use and abuse. One clock hour of instruction equals one clock hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0081 [Emergency] VIBROACOUSTICS TECHNOLOGY.

Subpart 1. **General requirements.** To get a license to teach a vibroacoustics program in the technical occupational area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must comply with subpart 2, item A or B, and subparts 3 and 4.

Subp. 2. **Educational experience requirement.** The applicant must have the education described in either item A or B:

A. a degree, diploma, or certificate from an accredited postsecondary institution in engineering, science, mathematics, or vibroacoustics; or

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B. a state-issued professional engineering license.

Subp. 3. **Occupational experience requirement.** The applicant must have verified occupational experience of 6,000 hours as a physical scientist, engineer, engineering aide or assistant, engineering technician or technologist, computer scientist or programmer, physicist, scientist, or mathematician. This experience must be in testing and measurements in both acoustics and mechanical vibration.

Subp. 4. **Occupational recency requirement.** 2,000 of the 6,000 hours required in subpart 3 must be within the five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting may be substituted for 1,000 hours of the 2,000 hours of recent occupational experience if done during the five years preceding application for licensure. This teaching must be in acoustics and mechanical vibrations.

3515.0082 [Emergency] POULTRY PRODUCTION MANAGER.

Subpart 1. **General requirements.** To get a license to teach a poultry production manager program in the agricultural occupational area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subparts 2 and 3.

Subp. 2. **Education and occupational experience requirement.** The applicant must have the education and occupational requirement described in either item A or B:

A. A bachelor or higher degree from an accredited postsecondary institution in agriculture with a minimum of 30 quarter or 20 semester credits in poultry science and verified occupational experience of 4,000 hours as a manager, supervisor, or service representative in turkey production, broiler production, breeder flock management, or egg production.

B. Two years postsecondary education from an approved postsecondary institution in poultry production management and verified occupational experience of 6,000 hours as a manager, supervisor, or service representative in turkey production,

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broiler production, breeder flock management, or egg production.

Subp. 3. **Occupational recency requirement.** 1,500 of the hours of occupational experience required in subpart 2, item A or B, must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution may be substituted for 1,000 hours of the 1,500 hours of recent occupational experience if the teaching is done during this five-year period. The teaching must be in poultry production management. Two hours of teaching equals one hour of recent occupational experience.

3515.0083 [Emergency] ADVANCE BUSINESS COMMUNICATIONS.

Subpart 1. **General requirements.** To get a license to teach an advanced business communications program in the business and office occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 6,000 hours as an engineer, technician, coordinator, analyst, manager, supervisor, or programmer in planning, designing, networking, engineering, or field science. This experience must be a combination of:

A. data: mainframe, microcomputers, or minicomputers in a business environment; and

B. voice and data digital communications in a public and/or private telephone exchange environment.

Subp. 3. **Occupational recency requirement.** 2,000 of the 6,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting in digital voice and data communication may substitute for 1,500 of the 2,000 hours of occupational recency if obtained during this five-year period. One hour of teaching equals one

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hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 3,000 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

A. A bachelor or higher degree in: computer science, management information studies, microcomputer studies, electrical engineering technology, or telecommunications equals 3,000 hours.

B. An associate degree in: electronic engineering technology or advanced business communications equals 2,000 hours.

C. A diploma or certificate in an advanced business technology two-year program equals 2,100 hours. A one-year program equals 1,050 hours.

D. The completion of courses for credit or clock hours for credit in: data mainframe, microcomputers or minicomputers, voice or data communications, electronics, or telecommunications.

One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0084 [Emergency] LOCKSMITHING TECHNICIAN.

Subpart 1. **General requirements.** To get a license to teach a locksmithing technician program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** The

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applicant must hold a Certified Professional Locksmith (C.P.L.) certification and have verified occupational experience of 8,000 hours as a locksmith.

Subp. 3. **Occupational recency requirement.** 2,000 of the 8,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution or in an industrial or military setting in locksmithing may be substituted for 1,500 of the 2,000 hours of occupational recency required in subpart 2, at the ratio specified. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 2,100 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution, an applicant must still comply with the recency requirement of subpart 3.

A. An associate degree in locksmithing equals 2,000 hours.

B. A diploma in a two-year locksmithing program equals 2,100 hours.

C. The completion of courses for credit or clock hours for credit in locksmithing.

One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

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by Revisor _____

Office of the Revisor of Statutes

Administrative Rules

TITLE: Proposed Permanent Rules Relating to Postsecondary Vocational Instructor Licenses

AGENCY: State Board of Vocational Technical Education

MINNESOTA RULES: Chapter 3515

The attached rules are approved for publication in the State Register

Richard J. Sands
Senior Assistant Revisor

Office of the Revisor of Statutes
Administrative Rules

Richard J. Sands
Senior Assistant Revisor
296-2798



700 State Office Building
100 Constitution Avenue
St. Paul, MN 55155-1297

January 20, 1988

Georgia Pomroy
State Board of Vocational-Technical Education
558 Capitol Square Building
550 Cedar Street
Saint Paul, Minnesota 55101

RE: RD1256E Postsecondary Vocational Instructor Licenses

Dear Ms. Pomroy:

We are enclosing six copies of your rule, approved as to form. Please submit two copies to the State Register.

If you have any questions, do not hesitate to call.

Very truly yours,

Richard J. Sands

RJS/mp
Encl.

State of Minnesota

STATE REGISTER

Department of Administration—Documents Division



Published every Monday

8 February 1988

Volume 12, Number 32

Pages 1641-1688

Agency Resource and
Information Center
501 Capitol Square Bldg.
550 Cedar Street
St. Paul, MN 55101

and the EPA no later than March 1 of each year, a report summarizing the types, quantities, frequency, and ultimate destination of all hazardous waste exported during the previous calendar year. The reports shall include the following:

E a certification signed by the primary exporter which states:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment."

Reports shall be sent to the director at 520 Lafayette Road, Saint Paul, Minnesota 55155, and to the Office of International Activities (A-106), Environmental Protection Agency, 401 M Street S.W., Washington, DC 20460.

Emergency Rules

Proposed Emergency Rules

According to Minn. Stat. of 1984, §§ 14.29-14.30, state agencies may propose adoption of emergency rules if: 1) expressly required; 2) authorized by statute; or 3) if the manner permitted by a directive (given by statute, federal law or court order) does not allow for compliance with sections 14.14-14.28. The agency must, however, publish a notice of intent to adopt emergency rules, along with the rules themselves, in the *State Register*. The notice must advise the public:

1) that a free copy of the proposed emergency rule is available upon request from the agency;
2) that notice of the date that the rule is submitted to the attorney general will be mailed to persons requesting notification;
3) that the public has at least 25 days after publication of the proposed emergency rule to submit data and views in writing; and
4) that the emergency rule may be modified if the data and views submitted support such modification.

Adopted Emergency Rules

Emergency rules take effect five working days after approval by the attorney general, and after compliance with Minn. Stat. §§ 14.29-14.365. As soon as possible, emergency rules are published in the *State Register* in the manner provided for in section 14.18.

Emergency rules are effective for the period stated in the notice of intent to adopt emergency rules. This may not exceed 180 days.

Continued/Extended Emergency Rules

Adopted emergency rules may be continued in effect (extended) for an additional 180 days. To do this, the agency must give notice by: 1) publishing notice in the *State Register*; and 2) mailing the same notice to all persons who requested notification on rulemaking. No emergency rule may remain in effect 361 days after its original effective date. At that point, permanent rules adopted according to Minn. Stat. 14.14-14.28 supercede emergency rules.

State Board of Vocational Technical Education

Proposed Emergency Rules Relating to Postsecondary Vocational Instructor Licenses

Notice of Intent to Adopt a Rule Without a Public Hearing

Notice is hereby given that the State Board of Vocational Technical Education intends to adopt the above-entitled emergency rules. The statutory authority to adopt rules is contained in *Minnesota Statutes* 136c.04, Subdivision 9. The agency, in adopting the rules, is following the procedures set forth in the Administrative Procedure Act for adopting emergency rules in *Minnesota Statutes*, sections 14.29 to 14.36.

All persons have 30 days until 4:30 p.m. Tuesday, March 8, 1988, after publication to submit data and views on the proposed emergency rule or any part or subpart of the rule in writing. Any comments must be submitted to:

Glenda Moyers, Supervisor
Minnesota Technical Institute System
522 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: (612) 296-6516

Georgia Pomroy, License Revision
Minnesota Technical Insitute System
520 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101
Telephone: (612) 296-0680

(A copy of the proposed rule is attached to this notice.)

KEY: PROPOSED RULES SECTION — Underlining indicates additions to existing rule language. ~~Strike outs~~ indicate deletions from existing rule language. If a proposed rule is totally new, it is designated "all new material." ADOPTED RULES SECTION — Underlining indicates additions to proposed rule language. ~~Strike outs~~ indicate deletions from proposed rule language.

The proposed emergency rule may be modified if the modifications are supported by data and views submitted to the agency and do not result in a substantial change in the proposed emergency rule as noticed.

Upon adoption of the emergency rule by the agency, the emergency rule as adopted and its supporting documents will be delivered to the Attorney General for review as to legality and form to the extent form related to legality. Any person may request notification of the date of submission to the Attorney General. Persons who wish to be advised of the submission of this material to the Attorney General, or who wish to receive a copy of the adopted rule, must submit the written request to Glenda Moyers, Supervisor, or Georgia Pomroy, License Revision Specialist.

The emergency rule will take effect five working days after approval by the Attorney General and be effective for 180 days. The emergency rule will be continued in effect for an additional 180 days if the agency gives notice of continuation in accordance with *Minnesota Statutes*, section 14.35.

Helen Henrie, Deputy Director
Minnesota Technical Institute System

Rules as Proposed (all new material)

3515.0075 [Emergency] NEON AND SIGN FABRICATION.

Subpart 1. **General requirements.** To get a license to teach a neon and sign fabrication program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 8,000 hours in production and repair of neon signage involving neon bending and bombarding or sign fabrication and installation.

Subp. 3. **Occupational recency requirement.** 2,000 of the 8,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution or industrial setting in neon bending and bombarding or sign fabrication and installation may substitute for the occupational recency requirement if obtained during this five-year period. One hour of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 1,050 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must comply with the recency requirement of subpart 3.

A. A diploma or certificate in neon and sign fabrication one-year program equals 1,050 hours.

B. The completion of courses for credit or clock hours for credit in neon pattern and layout, sign electricity, sign and letter fabrication and sign erection and service. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0076 [Emergency] AUDIO/RECORDING SPECIALIST.

Subpart 1. **General requirements.** To get a license to teach an audio recording specialist program in the technical occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 6,000 hours as an audio engineer in multitrack recording that includes:

A. talent and project management;

B. troubleshooting audio equipment;

C. project planning and environment;

D. tape mastering;

E. location recording; and

F. musical instrument digital interface (MIDI).

Subp. 3. **Occupational recency requirement.** 1,500 of the 6,000 hours required in subpart 2 must be within the three years before applying for the license.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution, industrial, or military setting for up to 1,000 hours of occupational experience required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

The completion of courses for credit or clock hours for credit in audio recording. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0077 [Emergency] DIESEL FUEL INJECTION SPECIALIST.

Subpart 1. **General requirements.** To get a license to teach a diesel fuel injection specialist program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** The applicant must have verified occupational experience of 8,000 hours as an engineer, specialist, technician, or service representative in both:

A. diesel engine operation, repair, and maintenance; and

B. diesel fuel injection operation, repair, and maintenance.

This experience may be with agricultural, automotive, marine, or industrial engines.

Subp. 3. **Occupational recency requirement.** 2,000 of the 8,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting may substitute for the occupational recency requirement if done during this five-year period. This teaching must be in theory and operation of diesel fuel injection or a combination of diesel fuel injection and diesel engines. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution, industrial, or military setting for up to 2,000 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

A. A bachelor or higher degree in:

(1) automotive engineering or mechanical engineering equals 2,000 hours; or

(2) electrical engineering or fluid power engineering equals 1,000 hours.

B. An associate degree in:

(1) diesel fuel injection specialist equals 2,000 hours; or

(2) mechanical engineering, microprocessor technology, electronics engineering technology, electronics technician, or electronics engineering technician equals 1,000 hours.

C. A diploma or certificate in:

(1) diesel fuel injection specialist, industrial engine mechanics, agricultural equipment mechanics, heavy equipment maintenance and repair, or truck and diesel mechanics. A two-year program equals 2,100 hours. A one-year program equals 1,050 hours; or

(2) small engine mechanics, auto mechanics, or fluid power technician. A two-year program equals 1,050 hours. A one-year program equals 525 hours.

D. The completion of courses for credit or clock hours for credit in fluid power, electronics, diesel fuel injection, diesel engines, or mechanical factors of engine performance. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0078 [Emergency] PLASTICS COMPOSITE TECHNOLOGY.

Subpart 1. **General requirements.** To get a license to teach a plastics composite technology program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must comply with subparts 2 and 3.

Subp. 2. **Occupational and educational requirement.** An applicant must have the combination of verified occupational and educational experience described in item A, B, or C.

A. A bachelor or higher degree in materials science, composites engineering, aerospace engineering, chemistry, chemical engineering, mechanical engineering, or physics and 4,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager. This experience must incorporate polymers or plastics in either product design or in manufacturing.

B. A bachelor or higher degree in an engineering field not listed in item A; or an associate degree, two-year certificate, or diploma in plastics composite technology and 6,000 hours of verified occupational experience as an engineer, chemist, project

manager, or program manager. This experience must incorporate polymers or plastics in either product design or in manufacturing.

C. An associate degree in engineering or plastics technology and 7,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager. This experience must incorporate polymers or plastics in either product design or in manufacturing.

Subp. 3. **Occupational recency requirement.** 2,000 of the hours required in subpart 2 must be within five years before applying for the license. The occupational experience must be in the areas as described in subpart 2, item A, B, or C. Teaching experience at an accredited postsecondary institution, industrial, or military setting may be substituted for 1,000 of the 2,000 hours of occupational recency requirement if done during this five-year period. This teaching must be in plastic composite technology.

Two hours of teaching equals one hour of occupational experience.

3515.0079 [Emergency] ELECTRIC UTILITY TECHNICIAN.

Subpart 1. **General requirements.** To get a license to teach an electric utility technician program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 6,000 hours as an engineer, technician, or journeyman lineman/electrician in troubleshooting, maintaining, and installing systems in at least two of the following:

A. protection of power lines and equipment;

B. testing and calibration of single phase/polyphase metering devices;

C. maintenance of substation control equipment.

Subp. 3. **Occupational recency requirement.** 2,000 of the 6,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting in electrical transmission and distribution systems, electrical communication systems, or electrical utility systems, may substitute for 1,500 hours of the 2,000 hours of occupational recency requirement if done during this five-year period. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 3,000 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

A. A bachelor or higher degree in electrical engineering or electronic engineering technology equals 3,000 hours.

B. An associate degree in electronics engineering technology, electronics technician, or electronics engineering technician equals 1,500 hours.

C. A diploma or certificate in electric utility technician, electronics technology, or instrumentation technology two-year program equals 2,100 hours. A one-year program equals 1,050 hours.

D. The completion of courses for credit or clock hours for credit in electronic technology. One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0080 [Emergency] SECURITY MANAGEMENT.

Subpart 1. **General requirements.** To get a license to teach a security management program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 8,000 hours in a manager or supervisory position in plant protection or security in an industrial, institutional, governmental, public utility, corporate, or retail setting.

Subp. 3. **Occupational recency requirement.** 1,500 of the 8,000 hours required in subpart 2 must be within three years before applying for the license. Teaching experience at an accredited postsecondary institution may be substituted for 1,000 of the 8,000 hours of occupational recency requirement if the teaching is done during this three-year period. The teaching must be in industrial security or security management. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience.** The applicant may substitute the education described in item A, B, C, or D for up to 3,000 hours of the occupational experience required in subpart 2. The education must be from an accredited postsecondary institution. If the substitution is made, the applicant must still comply with the recent occupational requirement of subpart 3.

A. A bachelor or higher degree in criminal justice, industrial security, security management, or law enforcement may be substituted for 3,000 hours.

B. An associate degree in criminal justice, security management, or law enforcement may be substituted for 2,000 hours.

C. A diploma in security management or law enforcement two-year program equals 2,100 hours. A one-year program equals 1,050 hours.

D. The completion of courses for credit or clock hours for credit in security, emergency procedures, or substance use and abuse. One clock hour of instruction equals one clock hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0081 [Emergency] VIBROACOUSTICS TECHNOLOGY.

Subpart 1. **General requirements.** To get a license to teach a vibroacoustics program in the technical occupational area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must comply with subpart 2, item A or B, and subparts 3 and 4.

Subp. 2. **Educational experience requirement.** The applicant must have the education described in either item A or B:

A. a degree, diploma, or certificate from an accredited postsecondary institution in engineering, science, mathematics, or vibroacoustics; or

B. a state-issued professional engineering license.

Subp. 3. **Occupational experience requirement.** The applicant must have verified occupational experience of 6,000 hours as a physical scientist, engineer, engineering aide or assistant, engineering technician or technologist, computer scientist or programmer, physicist, scientist, or mathematician. This experience must be in testing and measurements in both acoustics and mechanical vibration.

Subp. 4. **Occupational recency requirement.** 2,000 of the 6,000 hours required in subpart 3 must be within the five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting may be substituted for 1,000 hours of the 2,000 hours of recent occupational experience if done during the five years preceding application for licensure. This teaching must be in acoustics and mechanical vibrations.

3515.0082 [Emergency] POULTRY PRODUCTION MANAGER.

Subpart 1. **General requirements.** To get a license to teach a poultry production manager program in the agricultural occupational area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subparts 2 and 3.

Subp. 2. **Education and occupational experience requirement.** The applicant must have the education and occupational requirement described in either item A or B:

A. A bachelor or higher degree from an accredited postsecondary institution in agriculture with a minimum of 30 quarter or 20 semester credits in poultry science and verified occupational experience of 4,000 hours as a manager, supervisor, or service representative in turkey production, broiler production, breeder flock management, or egg production.

B. Two years postsecondary education from an approved postsecondary institution in poultry production management and verified occupational experience of 6,000 hours as a manager, supervisor, or service representative in turkey production, broiler production, breeder flock management, or egg production.

Subp. 3. **Occupational recency requirement.** 1,500 of the hours of occupational experience required in subpart 2, item A or B, must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution may be substituted for 1,000 hours of the 1,500 hours of recent occupational experience if the teaching is done during this five-year period. The teaching must be in poultry production management. Two hours of teaching equals one hour of recent occupational experience.

3515.0083 [Emergency] ADVANCE BUSINESS COMMUNICATIONS.

Subpart 1. **General requirements.** To get a license to teach an advanced business communications program in the business and office occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** An applicant must have verified occupational experience of 6,000 hours as an engineer, technician, coordinator, analyst, manager, supervisor, or programmer in planning, designing, networking, engineering, or field science. This experience must be a combination of:

A. data: mainframe, microcomputers, or minicomputers in a business environment; and

B. voice and data digital communications in a public and/or private telephone exchange environment.

Subp. 3. **Occupational recency requirement.** 2,000 of the 6,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution, industrial, or military setting in digital voice and data communication may substitute for 1,500 of the 2,000 hours of occupational recency if obtained during this five-year period. One hour of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 3,000 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution permitted by this subpart, an applicant must still comply with the recency requirement of subpart 3.

A. A bachelor or higher degree in: computer science, management information studies, microcomputer studies, electrical engineering technology, or telecommunications equals 3,000 hours.

B. An associate degree in: electronic engineering technology or advanced business communications equals 2,000 hours.

C. A diploma or certificate in an advanced business technology two-year program equals 2,100 hours. A one-year program equals 1,050 hours.

D. The completion of courses for credit or clock hours for credit in: data mainframe, microcomputers or minicomputers, voice or data communications, electronics, or telecommunications.

One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

3515.0084 [Emergency] LOCKSMITHING TECHNICIAN.

Subpart 1. **General requirements.** To get a license to teach a locksmithing technician program in the trade and industrial occupations area, an applicant must comply with parts 3515.0100 to 3515.4400 and 3515.5000. Parts 3515.9920 to 3515.9942 do not apply. The applicant must also comply with subpart 2 with the option of substitution allowed by subpart 4, and comply with subpart 3.

Subp. 2. **Occupational experience requirement.** The applicant must hold a Certified Professional Locksmith (C.P.L.) certification and have verified occupational experience of 8,000 hours as a locksmith.

Subp. 3. **Occupational recency requirement.** 2,000 of the 8,000 hours required in subpart 2 must be within five years before applying for the license. Teaching experience at an accredited postsecondary institution or in an industrial or military setting in locksmithing may be substituted for 1,500 of the 2,000 hours of occupational recency required in subpart 2, at the ratio specified. Two hours of teaching equals one hour of occupational experience.

Subp. 4. **Substitution for occupational experience requirement.** An applicant may substitute the following education from an accredited postsecondary institution for up to 2,100 hours required in subpart 2, at the ratio specified. Notwithstanding the substitution, an applicant must still comply with the recency requirement of subpart 3.

A. An associate degree in locksmithing equals 2,000 hours.

B. A diploma in a two-year locksmithing program equals 2,100 hours.

C. The completion of courses for credit or clock hours for credit in locksmithing.

One clock hour of instruction equals one hour of occupational experience. One quarter credit equals 20 hours of occupational experience. One semester credit equals 30 hours of occupational experience.

Official Notices

Pursuant to the provisions of Minnesota Statutes § 14.10, an agency, in preparing proposed rules, may seek information or opinion from sources outside the agency. Notices of intent to solicit outside opinion must be published in the *State Register* and all interested persons afforded the opportunity to submit data or views on the subject, either orally or in writing.

The *State Register* also publishes other official notices of state agencies, notices of meetings, and matters of public interest.

Minnesota State Arts Board

Board Meeting

The Minnesota State Arts Board will hold a regular business meeting on Wednesday, February 17. The meeting will be held at the Arts Board offices, 432 Summit Avenue, Saint Paul and will begin at 9:00 a.m.

Agenda items include the selection of Artist Assistance fellowship grantees for Music and Dance.

CERTIFICATE OF THE STATE OF MINNESOTA
STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION
RESOLUTION ADOPTING THE RULE

I, Donald Ingram, do hereby certify that I am a member and the President of the State Board of Vocational Technical Education, a Board duly authorized under the laws of the State of Minnesota, and that the following is a true, complete, and correct copy of a resolution adopted at a meeting of the State Board of Vocational Technical Education, duly and properly called and held on the 12th day of April, 1988, that a quorum was present, and that a majority of those present voted for the resolution which has not been rescinded or modified.

"RESOLVED, that the rule relating to Uncharted Licensure Criteria. Rules 3515.0075 Neon and Sign Fabrication, 3515.0076 Audio/Recording Specialist, 3515.0077 Diesel Fuel Injection Specialist, 3515.0078 Plastics Composite Technology, 3515.079 Electric Utility Technician, 3515.0080 Security Management, 3515.0081 Vibroacoustics Technology, 3515.0082 Poultry Production Manager, 3515.0083 Advanced Business Communications and 3515.0084 Locksmithing Technician, are approved and adopted, pursuant to the authority vested in the State Board of Vocational Technical Education by Minnesota Statute 136C.04, Subdivision 9. Helen Henrie, the Deputy Director of the State Board of Vocational Technical Education, is authorized to sign the findings of fact, conclusions, and order adopting the rule and further is authorized to modify the rule if necessary to obtain the approval of the rule by the attorney general and to perform the necessary acts to provide that the rule shall have the force and effect of law.

IN WITNESS WHEREOF, I have hereunto subscribed my name this Twelfth day of April, 1988.

Donald C. Ingram
Officer of the Board

Patricia A. Allen
Attest by one other Board member

STATE OF MINNESOTA
STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION

In the Matter of the Proposed Adoption of Emergency Rules of the State of Minnesota Governing Uncharted Licensure Criteria; Advanced Business Communications Technology, Plastic Composite Technology, Poultry Production Manager, Neon and Sign Fabrication, Audio Recording Specialist, Locksmithing Technician, Diesel Fuel Injection Specialist, Electric Utility Technician, Security Management and Vibroacoustics Technology Minnesota Rules pts 3515.0075 through 3515.0084

FINDINGS OF FACT AND CONCLUSIONS OF LAW

The above entitled matter was authorized for emergency rulemaking proceedings by the State Board of Vocational Technical Education (hereinafter "Board") on August 10, 1987.

It is now before the Board for final approval and adoption. Therefore, the Board makes the following findings of Fact and Conclusions of Law.

FINDINGS OF FACT

1. That on August 10, 1987, and September 14, 1987, the Board passed resolutions authorizing adoption of the above entitled rules through the emergency rulemaking process.

2. That on February 4, 1988, Notice of Intent to Adopt above entitled emergency rules was sent by United States mail to all persons on the list maintained by the agency pursuant to Minnesota Statutes, Section 14.30 and on February 8, 1988. The rules as proposed and Notice of Intent to Adopt Emergency rules were published in the *State Register*. The notice included a copy of the proposed rules which were available upon request from the Board. The notice advised that notice of the date of submission of the proposed emergency rules to the Attorney General would be mailed to any individual requesting that notice.

3. For 30 days after publication the Board afforded all interested parties an opportunity to submit data and views on the proposed emergency rules in writing. Four people requested and were provided a copy of the rules.

4. No comments on the proposed rule were submitted during the 30 day comment period.

5. No requests for notice of submission to the Attorney General were received by the agency.

6. One typographical error was noted and corrected as follows:

3515.0083 Advanced Business Communications

Subpart 2. Occupational experience requirement. An applicant must have

verified occupational experience of 6,000 hours as an engineer, technician, coordinator, analyst, manager, supervisor or programmer in planning, designing, networking or field service.

7. For the purpose of clarification, the following addition was made in 3515.0078 Plastics Composite Technology:

> Subpart 2.B. A bachelor or higher degree in an engineering field not listed in item A and 6,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager or an associate degree, two-year certificate, or diploma in plastics composite technology and 6,000 hours of verified occupational experience as an engineer, chemist, project manager, or program manager. In either case the experience must incorporate polymers or plastics in either product design or in manufacturing.

With the exception of these changes, the rules as adopted are the same as those proposed. None of the changes constitute substantial change as defined in Minnesota Rules pt. 2010.100 item D.

8. That on April 12, 1988, the Board authorized a resolution to adopt the rules as published in the *State Register* on February 8, 1988.

9. That on April 14, 1988, the Deputy Director of the State Board signed an order adopting the Emergency Rules as published.

CONCLUSIONS OF LAW

1. That the Board has authority, pursuant to Minnesota Statutes s136C.04 (1986) to promulgate these emergency rules.

2. That the change in the rules as adopted is not substantial, and is only to correct a typographical error.

3. That the Board complied with all applicable statutory requirements in promulgating these emergency rules.

4. That the rules are both needed and reasonable.

NOW THEREFORE, IT IS ORDERED that the rules identified as Minnesota Rules pts. 3515.0075 to 3515.0084 as modified, are adopted this 14th day of April, 1988, pursuant to authority vested in the Board by Minnesota Statutes, Section 136C.04, subdivision 9.

STATE OF MINNESOTA
STATE BOARD OF VOCATIONAL
TECHNICAL EDUCATION

Dated: April 14 1988

Helen Henrie

Helen Henrie, Deputy Director

20109930.2

In the Matter of the Adoption of the rule of the State Board of Vocational Technical Education Governing 3515.0075 to 3515.0084 Postsecondary Vocational Licensure, Advanced Business Communications Technology Plastic Composite Technology Poultry Production Manager Neon and Sign Fabrication Audio Recording Specialist Locksmithing Technician Diesel Fuel Injection Specialist Electric Utility Technician Security Management Vibroacoustics Technology

DECLARATION OF COUNSEL

I, Charles T. Mottl, Assistant Attorney General, do hereby declare that I have examined the above-captioned rule, and the supporting rulemaking record, and that, based on my examination, the Administrative Procedure Act and Minnesota Rules, chapter 20.10 have been followed. Any exceptions are listed below. For Attorney General billing purposes, the four-digit docket client code is 0831.

CHARLES T. MOTTL
Assistant Attorney General

Dated: August 29, 1995

2000.9945 AFFIDAVIT OF MAILING

In the Matter of Permanent Rules
of the State of Minnesota Governing
Licensure Criteria:
Neon and Sign Fabrication
Audio/Recording Specialist
Diesel Fuel Injection Specialist
Plastics Composite Technology
Electric Utility Technician
Security Management
Vibroacoustics Technology
Poultry Production Manager
Advanced Business Communications
Locksmithing Technician
Minnesota Rules pt. 3515.0075 to 3515.0084

AFFIDAVIT OF
MAILING

STATE OF MINNESOTA]
] ss.
COUNTY OF RAMSEY]

LeAnn R. VanDorsten, being first duly sworn deposes and says:

That on the 4th of February, 1988, at the City of St. Paul, State of Minnesota, she served the attached Notice of Proposed Adoption of Emergency Rules by depositing in the State of Minnesota Central Mail System for United States mailing at said City of St. Paul, a copy thereof, properly enveloped, with postage prepaid, on all persons and associations who have requested that their names be placed on file with the State Board of Vocational Technical Education for the purpose of receiving notice of the proposed adoption of rules by this Board.

LeAnn R. VanDorsten

Subscribed and sworn to before me
this 4th day of February, 1988.

Caroline E. Wisniewski
Notary Public

CAROLINE E. WISNIEWSKI
NOTARY PUBLIC-MINNESOTA
DAKOTA COUNTY
MY COMMISSION EXPIRES MARCH 28, 1991

Emergency Rules sent out on February 4, 1988 to the following:

1. TI Directors
2. TI Adult Extension Directors
3. TI Assistant Directors
4. General Advisory Committee (list attached)
5. Emergency Rule Making Mailing List (see attached)
6. One time only mailing for these rules (see attached)

1-5-88

GENERAL ADVISORY COMMITTEE

(LICENSURE)

ROSE ANDERSEN
ADULT DIRECTOR
MOORHEAD AVTI
1900 28TH AVENUE SO.
MOORHEAD, MN 56560

DARLENE ANDERSON
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COON RAPIDS, MN 55433

BILL ARDREN
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INDUSTRIAL & TECHNICAL STUDY
DULUTH, MN 55812

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AVC Systems
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Jon Bormann
AVC Systems
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Clyde Green
Cookhouse Recording Studio
5405 Zealand Ave. No.
Minneapolis, MN 55428

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St. Paul Public Schools
7060 James Street
St. Paul, MN 55102

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9200 Flying Cloud Drive
Eden Prairie, MN 55344

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Dennis Finstad
SWTI - Jackson Campus
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Dennis Hampel
SWTI - Jackson Campus
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Marlin Wacholz
SWTI - Granite Falls
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Dan Krulish
Dan's Diesel Injection
P.O. Box 151
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James E. Ourada
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Plymouth, MN 55446

TLE	FIRST NAME	LAST NAME	DIR.	TI	ADDRESS	CITY, STATE, ZIP	PHONE
	DAVID	SAYRE	DIR.	ALBERT LEA TECH. INST.	2200 TECH DRIVE	ALBERT LEA, MN 56007	(507) 373-0656
	FRANK	STARKE	DIR.	ALEXANDRIA TECH. INST.	1601 JEFFERSON	ALEXANDRIA, MN 56308	(612) 762-0221
	NURI	HASSUMANI	DIR.	ANOKA TECH. INST.	1355 WEST MAIN	ANOKA, MN 55303	(612) 427-1880
	MARGE	KIRCHHOFF	DIR.	AUSTIN TECH. INST.	1900 EIGHTH AVE NW	AUSTIN, MN 55912	(507) 433-0600
	MEL	SALBERG	DIR.	BEMIDJI TECH. INST.	ROOSEVELT AND GRANT	BEMIDJI, MN 56601	(218) 751-4137
	HARRY	NYSATHER	DIR.	BRAINERD TECH. INST.	300 QUINCE	BRAINERD, MN 56401	(218) 828-5344
	AVID	SCHROEDER	DIR.	DAKOTA COUNTY TECH. INST.	1300 E 145TH ST	ROSEMOUNT, MN 55068	(612) 423-8301
	NNIS	HOPMAN	DIR.	DETROIT LAKES TECH. INST.	HIGHWAY 34 EAST	DETROIT LAKES, MN 56501	(218) 847-1341
	IFF	WIKLUND	DIR.	DULUTH TECH. INST.	2101 TRINITY ROAD	DULUTH, MN 55811	(218) 722-2801
	ERRY	FOLSTROM	DIR.	EAST GRAND FORKS TECH. INST.	HIGHWAY 220 NORTH	EAST GRAND FORKS, MN 56721	(218) 773-3443
	HAROLD	HOGHAUG	DIR.	EVELETH TECH. INST.	HIGHWAY 53	EVELETH, MN 55734	(218) 744-3302
	VIRIL	LAYTON	DIR.	FARIBAULT TECH. INST.	1255 SW THIRD ST	FARIBAULT, MN 55021	(507) 334-3965
	JOHN	LOBBEN	DIR.	HENNEPIN TECH. CENTERS	1820 NORTH XENIUM LANE	PLYMOUTH, MN 55441	(612) 559-3535
	BRUCE	PERRYMAN	DIR.	HIBBING TECH. INST.	2900 E BELTLINE	HIBBING, MN 55746	(218) 262-6185
	ROGER	LEE	DIR.	HTI-NORTH	9000 BROOKLYN BLVD	BROOKLYN PARK, MN 55445	(612) 425-3800
	GENE	JERECZEK	DIR.	HTI-SOUTH	9200 FLYING CLOUD DR	EDEN PRAIRIE, MN 55344	(612) 944-2222
	RICHARD	LENNES	DIR.	HUTCHINSON TECH. INST.	200 CENTURY AVE	HUTCHINSON, MN 55350	(612) 587-3636
	JOHN	VOTCA	DIR.	MANKATO TECH. INST.	1920 LEE BLVD	MANKATO, MN 56001	(507) 625-3441
	DONOVAN	SCHWICHTENBERG	DIR.	MINNEAPOLIS TECH. INST.	1415 HENNEPIN AVE	MINNEAPOLIS, MN 55403	(612) 370-9400
	NATE	JOHNSON	DIR.	MOORHEAD TECH. INST.	1900 28TH AVE SO	MOORHEAD, MN 56560	(218) 236-6277
	BILL	WARNER	DIR.	NORTHEAST METRO TECH. INST.	3300 CENTURY AVE NO	WHITE BEAR LAKE, MN 55110	(612) 770-2351
	EUGENE	BIEVER	DIR.	PINE TECH. INST.	1100 FOURTH ST	PINE CITY, MN 55063	(612) 629-6764
	ED	DUNN	DIR.	RED WING TECH. INST.	HWY 58 & PIONEER RD	RED WING, MN 55066	(612) 388-8271
	CHARLES	HARWOOD	DIR.	ROCHESTER TECH. INST.	1926 SECOND ST SE	ROCHESTER, MN 55904	(507) 285-8631
	DONALD	HAMERLINCK	DIR.	ST. CLOUD TECH. INST.	1540 NORTHWAY DR	ST. CLOUD, MN 56301	(612) 252-0101
	HARLAN	SHEELY	DIR.	ST. PAUL TECH. INST.	235 MARSHALL AVE	ST. PAUL, MN 55102	(612) 221-1300
	STANLEY	EDIN	DIR.	STAPLES TECH. INST.	AIRPORT ROAD	STAPLES, MN 56479	(218) 894-1168
	DEWAIN	ENGLUND	DIR.	SVTI-CANBY	1011 FIRST ST W	CANBY, MN 56220	(507) 223-7252
	MARLIN	WACHOLZ	DIR.	SVTI-GRANITE FALLS	HWY 212 WEST	GRANITE FALLS, MN 56241	(612) 564-4511
	RICHARD	POOLEY	DIR.	SVTI-GRANITE FALLS	HWY 212 WEST	GRANITE FALLS, MN 56241	(612) 564-4511
	DENNIS	FINSTAD	DIR.	SVTI-JACKSON	401 WEST ST	JACKSON, MN 56143	(507) 847-3320
	RALPH	KNAPP	DIR.	SVTI-PIPESTONE	NORTH HIAWATHA	PIPESTONE, MN 56164	(507) 825-5471
	ORLEY	GUNDERSON	DIR.	THIEF RIVER FALLS TECH. INST.	HIGHWAY ONE EAST	THIEF RIVER FALLS, MN 56701	(218) 681-5424
	LOWELL	RASMUSSEN	DIR.	WADENA TECH. INST.	405 SW COLFAX	WADENA, MN 56482	(218) 631-3530
	RON	ERPELDING	DIR.	WILLMAR TECH. INST.	PO BOX 1097	WILLMAR, MN 56201	(612) 235-5114
	WILLIAM	HEMSEY	DIR.	WINONA TECH. INST.	1250 HOMER ROAD	WINONA, MN 55987	(507) 454-4600

TITLE	FIRST NAME	LAST NAME	ASST. DIR.	TI	ADDRESS	CITY, STATE, ZIP	PHONE
MR.	TERRY	LEMER	ASST. DIR.	ALBERT LEA TECH. INST.	2200 TECH DR	ALBERT LEA, MN 56007	(507) 373-0656
MR.	CLIFF	KORKOWSKI	ASST. DIR.	ALEXANDRIA TECH. INST.	1601 JEFFERSON	ALEXANDRIA, MN 56308	(612) 762-0221
MR.	DON	BLUHM	ASST. DIR	ALEXANDRIA TECH. INST.	1601 JEFFERSON	ALEXANDRIA, MN 56308	(612) 762-0221
MR.	JOHN	PHILLIPS	ASST. DIR.	ALEXANDRIA TECH. INST.	1601 JEFFERSON	ALEXANDRIA, MN 56308	(612) 762-0221
MR.	ERNEST	LARSON	ASST. DIR.	ANOKA TECH. INST.	1355 WEST HWY 10	ANOKA, MN 55303	(612) 427-1880
MR.	HERB	MURPHY	ASST. DIR.	ANOKA TECH. INST.	1355 WEST HWY 10	ANOKA, MN 55303	(612) 427-1880
MR.	GERRY	STUHR	ASST. DIR.	ANOKA TECH. INST.	1355 WEST HWY 10	ANOKA, MN 55303	(612) 427-1880
MS.	CAROLINE	ROSDAHL	ASST. DIR.	ANOKA TECH. INST.	1355 WEST HYW 10	ANOKA, MN 55303	(612) 427-1880
MR.	[illegible]	SVEDJAN	ASST. DIR.	BEMIDJI TECH. INST.	ROOSEVELT & GRANT	BEMIDJI, MN 56601	(218) 751-4137
MR.	TOM	LANGAN	ASST. DIR.	BEMIDJI TECH. INST.	ROOSEVELT & GRANT	BEMIDJI, MN 56601	(218) 751-4137
MR.	HAROLD	ERICKSON	ASST. DIR.	BRAINERD TECH. INST.	300 QUINCE	BRAINERD, MN 56401	(218) 828-5344
MR.	KEVIN	KOPISCHKE	ASST. DIR.	BRAINERD TECH. INST.	300 QUINCE	BRAINERD, MN 56401	(218) 828-5344
MR.	JERRY	JOHNSON	ASST. DIR.	DAKOTA COUNTY TECH. INST.	1300 E 145TH ST	ROSEMOUNT, MN 55068	(612) 423-8369
MS.	DOROTHY	DODDS	ASST. DIR.	DAKOTA COUNTY TECH. INST.	1300 E 145TH ST	ROSEMOUNT, MN 55068	(612) 423-8369
MR.	ROBERT	JARVI	ASST. DIR.	DAKOTA COUNTY TECH. INST.	1300 E 145TH ST	ROSEMOUNT, MN 55068	(612) 423-8369
MR.	JIM	STALOCH	ASST. DIR.	DAKOTA COUNTY TECH. INST.	1300 E 145TH ST	ROSEMOUNT, MN 55068	(612) 423-8369
	WAYNE	DAVIS	ASST. DIR.	DAKOTA COUNTY TECH. INST.	1300 E 145TH ST	ROSEMOUNT, MN 55068	(612) 423-8369
	ROBERT	DOBRENSKI	ASST. DIR.	DETROIT LAKES TECH. INST.	HIGHWAY 34 EAST	DETROIT LAKES, MN 56501	(218) 847-1341
	DOYLE	COSSIN	ASST. DIR.	DULUTH TECH. INST.	2101 TRINITY RD	DULUTH, MN 55811	(218) 722-2801
MS.	JUDY	NEPPEL	ASST. DIR.	EAST GRAND FORKS TECH. INST.	HIGHWAY 220 NO	EAST GRAND FORKS, MN 56721	(218) 773-3443
MR.	JOE	DENNIE	ASST. DIR.	EVELETH TECH. INST.	HIGHWAY 53	EVELETH, MN 55734	(218) 744-3302
MR.	DONALD T.	OLSON	ASST. DIR.	FARIBAULT TECH. INST.	1255 SW THIRD ST	FARIBAULT, MN 55021	(507) 334-3965
MR.	HAROLD	MONTZKA	ASST. DIR.	HIBBING TECH. INST.	2900 E BELTLINE	HIBBING, MN 55746	(218) 262-6185
MR.	BOB	PAPAS	ASST. DIR.	HTI-NORTH	9000 BROOKLYN BLVD	BROOKLYN PARK, MN 55445	(612) 425-3800
MR.	BOB	WROBEL	ASST. DIR.	HTI-SOUTH	9200 FLYING CLOUD DR	EDEN PRAIRIE, MN 55344	(612) 944-2222
MR.	GEORGE	HALONEN	ASST. DIR.	HUTCHINSON TECH. INST.	200 CENTURY AVE	HUTCHINSON, MN 55350	(612) 587-3636
MR.	RONALD	JONAS	ASST. DIR.	HUTCHINSON TECH. INST.	200 CENTURY AVE	HUTCHINSON, MN 55350	(612) 587-3636
MR.	DUANE	BUCHOLZ	ASST. DIR.	MANKATO TECH. INST.	1920 LEE BLVD	MANKATO, MN 56001	(507) 625-3441
MR.	LES	SCHNEIDER	ASST. DIR.	MANKATO TECH. INST.	1920 LEE BLVD	MANKATO, MN 56001	(507) 625-3441
MR.	MARY	CHARLES	ASST. DIR.	MINNEAPOLIS TECH. INST.	1415 HENNEPIN AVE	MINNEAPOLIS, MN 55403	(612) 370-9400
MR.	GARY	KOCIEMBA	ASST. DIR.	MINNEAPOLIS TECH. INST.	1415 HENNEPIN AVE	MINNEAPOLIS, MN 55403	(612) 370-9400
MR.	RICHARD	HAGENAIS	ASST. DIR.	MINNEAPOLIS TECH. INST.	1415 HENNEPIN AVE	MINNEAPOLIS, MN 55403	(612) 370-9400
MR.	JOE	ZETAH	ASST. DIR.	MINNEAPOLIS TECH. INST.	1415 HENNEPIN AVE	MINNEAPOLIS, MN 55403	(612) 370-9400
MR.	KEITH	TOGSTAD	ASST. DIR.	MOORHEAD TECH. INST.	1900 28TH AVE SO	MOORHEAD, MN 56560	(218) 236-6277
MR.	PAUL	MOLICK	ASST. DIR.	MOORHEAD TECH. INST.	1900 28TH AVE SO	MOORHEAD, MN 56560	(218) 236-6277
MR.	EARL	BRUNBERG	ASST. DIR.	NORTHEAST METRO TECH. INST.	3300 CENTURY AVE	WHITE BEAR LAKE, MN 55110	(612) 770-2351
MR.	FRED	BOGGS	ASST. DIR.	NORTHEAST METRO TECH. INST.	3300 CENTURY AVE	WHITE BEAR LAKE, MN 55110	(612) 770-2351
MR.	GORDON	WILLIAMS	ASST. DIR.	NORTHEAST METRO TECH. INST.	3300 CENTURY AVE	WHITE BEAR LAKE, MN 55110	(612) 770-2351
MR.	JEFF	LARSON	ASST. DIR.	NORTHEAST METRO TECH. INST.	3300 CENTURY AVE	WHITE BEAR LAKE, MN 55110	(612) 770-2351
MS.	JUDY	STENGEL	ASST. DIR.	NORTHEAST METRO TECH. INST.	3300 CENTURY AVE	WHITE BEAR LAKE, MN 55110	(612) 770-2351
MS.	MARTHA	YUCEL	ASST. DIR.	NORTHEAST METRO TECH. INST.	3300 CENTURY AVE	WHITE BEAR LAKE, MN 55110	(612) 770-2351
MR.	GARLAND	KOTEK	ASST. DIR.	PINE TECH. INST.	1100 FOURTH ST	PINE CITY, MN 55063	(612) 629-6764
	VACANT		ASST. DIR.	RED WING TECH. INST.	HWY 58 & PIONEER RD	RED WING, MN 55066	(612) 388-8271
MR.	ALFRED	HODGES	ASST. DIR.	ROCHESTER TECH. INST.	1926 SE SECOND ST	ROCHESTER, MN 55904	(507) 285-8631
MR.	DON	SUPALLA	ASST. DIR.	ROCHESTER TECH. INST.	1926 SE SECOND ST	ROCHESTER, MN 55904	(507) 285-8631
MS.	BETTY JO	DORSCHNER	ASST. DIR.	ROCHESTER TECH. INST.	1926 SE SECOND ST	ROCHESTER, MN 55904	(507) 285-8631
MS.	KATHY	MONNET	ASST. DIR.	ROCHESTER TECH. INST.	1926 SE SECOND ST	ROCHESTER, MN 55904	(507) 285-8631
MR.	FRED	TOWN	ASST. DIR.	ST. CLOUD TECH. INST.	1540 NORTHWAY DR	ST. CLOUD, MN 56301	(612) 252-0101
MR.	ROBERT	LARSON	ASST. DIR.	ST. CLOUD TECH. INST.	1540 NORTHWAY DR	ST. CLOUD, MN 56301	(612) 252-0101
MS.	DOROTHY	BRAY	ASST. DIR.	ST. CLOUD TECH. INST.	1540 NORTHWAY DR	ST. CLOUD, MN 56301	(612) 252-0101
MR.	PETER	MERILA	ASST. DIR.	ST. PAUL TECH. INST.	235 MARSHALL AVE	ST. PAUL, MN 55102	(612) 221-1300
MR.	MILO	LOKEN	ASST. DIR.	ST. PAUL TECH. INST.	235 MARSHALL AVE	ST. PAUL, MN 55102	(612) 221-1300
MS.	LINDA	THEDENS	ASST. DIR.	ST. PAUL TECH. INST.	235 MARSHALL AVE	ST. PAUL, MN 55102	(612) 221-1300
MR.	BRUCE	NELSEN	ASST. DIR.	STAPLES TECH. INST.	AIRPORT ROAD	STAPLES, MN 56479	(218) 894-1051
MR.	VERN	TREAT	ASST. DIR.	THIEF RIVER FALLS TECH. INST.	HIGHWAY ONE EAST	THIEF RIVER FALLS, MN 56701	(218) 894-5424

TITLE	FIRST NAME	LAST NAME	EXT. ADM.	TI	ADDRESS	CITY, STATE, ZIP	PHONE
MR.	CHARLES	VAN WEY	EXT. ADM.	ALBERT LEA TECH. INST.	2200 TECH DRIVE	ALBERT LEA, MN 56007	(507) 373-0656
R.	DONALD	BLUHM	EXT. ADM.	ALEXANDRIA TECH. INST.	1601 JEFFERSON	ALEXANDRIA, MN 56308	(612) 762-0221
S.	GERALD	STUHR	EXT. ADM.	ANOKA TECH. INST.	1355 WEST MAIN	ANOKA, MN 55303	(612) 427-1880
S.	JOHN	GEDKER	EXT. ADM.	AUSTIN TECH. INST.	1900 EIGHTH AVENUE NW	AUSTIN, MN 55912	(507) 433-0600
	RON	SVEDJAN	EXT. ADM.	BEMIDJI TECH. INST.	ROOSEVELT AND GRANT	BEMIDJI, MN 56601	(218) 751-4137
	KEVIN	KOPISCHKE	EXT. ADM.	BRAINERD TECH. INST.	300 QUINCE STREET	BRAINERD, MN 56401	(218) 828-5344
	DOROTHY	DODDS	EXT. ADM.	DAKOTA COUNTY TECH. INST.	1300 145TH STREET EAST	ROSEMOUNT, MN 55068	(612) 423-8301
	KEITH	GILBERTSON	EXT. ADM.	DETROIT LAKES TECH. INST.	HIGHWAY 34 EAST	DETROIT LAKES, MN 56501	(218) 847-1341
	RODGER	PALMER	EXT. ADM.	DULUTH TECH. INST.	2101 TRINITY ROAD	DULUTH, MN 55811	(218) 722-2801
	GALEN	CARIVEAU	EXT. ADM.	EAST GRAND FORKS TECH. INST.	HIGHWAY 220 NORTH	EAST GRAND FORKS, MN 56721	(218) 773-3443
	JOE	DENNIE	EXT. ADM.	EVELETH TECH. INST.	HIGHWAY 52	EVELETH, MN 55734	(218) 744-3302
S	DON	OLSON	EXT. ADM.	FARIBAULT TECH. INST.	1255 SOUTHWEST THIRD	FARIBAULT, MN 55021	(507) 334-3965
	JIM	ROSSBACH	EXT. ADM.	HENNEPIN TECHNICAL CENTERS	1820 NORTH XENIUM	MINNEAPOLIS, MN 55441	(612) 559-3535
	CHARLOTTE	SKIBICKI	EXT. ADM.	HIBBING TECH. INST.	2900 EAST BELTLINE	HIBBING, MN 55746	(218) 262-6185
	BOB	WROBEL	EXT. ADM.	ETI-SOUTH	9200 FLYING CLOUD DR	EDEN PRAIRIE, MN 55344	(612) 944-2222
	GEORGE	HALONEN	EXT. ADM.	HUTCHINSON TECH. INST.	200 CENTURY AVENUE	HUTCHINSON, MN 55350	(612) 587-3636
R.	DAN	KOCER	EXT. ADM.	MANKATO TECH. INST.	1920 LEE BOULEVARD	MANKATO, MN 56001	(507) 625-3441
R.	MARY	CHARLES	EXT. ADM.	MINNEAPOLIS TECH. INST.	1415 HENNEPIN AVENUE	MINNEAPOLIS, MN 55403	(612) 370-9400
S.	ROSE	ANDERSEN	EXT. ADM.	MOORHEAD TECH. INST.	1900 28TH AVE SO.	MOORHEAD, MN 56560	(218) 236-6277
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