

Minnesota Attorney General: Administrative Rules Proceedings

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Version 3
August 20, 2018

Our File No. 1046

RULE REVIEW CHECKLIST

DATE RULE RECEIVED 7-3-84
DATE FOR REVIEW 7-16-84
DATE DUE 7-23-84

Adopted w/a hearing ✓
Adopted w/o hearing
Temporary rule

Approved July 23, 1984 (CDS) Disapproved Returned to Agency

Resubmitted Due
Approved Disapproved Returned to Agency

Date filed w/Secretary of State 7-24-84 Revisor approved 7/5/84 disapproved

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✓ Rule as Adopted

✓ Rule as Proposed See SR

✓ Order Adopting 6.11.84 Date

✓ Notice of Intent to Solicit Outside Opinion + comments SR. 5.2.83

✓ Order for rulemaking
2.23.84 date of Hearing

✓ Certificate of Board's Authorizing Resolution

✓ Notice of rulemaking
✓ Sufficiency

✓ Affidavit of Mailing Notice or rulemaking, + of Additional Mailing
1.18.84 At least 30 days prior to hearing/~~adoption~~

✓ Mailing list Certificate

✓ Publication in State Register
1.23.84 At least 30/~~20~~ days prior to hearing/~~adoption~~

✓ Hearing Examiner's Report

✓ Chief Hearing Examiner's Report(s)
Approving H.E.'s Report
5.24.84 Approving agency action

✓ Agency's Findings of Fact

N/A LCRAR Report or agency Affidavit

✓ Certificate of Board's Resolution Adopting Rules

N/A Order Approving Incorporation by Reference

✓ Statement of Need and Reasonableness

N/A Petition for Adoption of a Rule

✓ Record (includes transcript or tape, exhibits, comments received by agency, requests for a hearing, and other relevant materials)

✓ Certificate of Compliance w/Rulemaking Procedures

✓ Affidavit of Mailing Notice of Submission to Attorney General

✓ Notice of Submission to the Attorney General

SF-00006-02

STATE OF MINNESOTA

DEPARTMENT ATTORNEY GENERAL

Office Memorandum

TO : JOSEPH P. GRABA, Secretary
State Board of Vo-Tech Education

DATE: 7/23/84

Attn: CHARLES T. MOTTL/Special Assist. Att. General

FROM : LARRY D. STARNS
Special Assistant LDS
Attorney General

PHONE: 297-3493

SUBJECT: In the Matter of Proposed Adoption of Rules Governing Post-Secondary Voactional Instructional Persennel Licensure - Robotics Technician 5 MCAR § 1.0790 C.

Enclosed herewith are the rules you have submitted for approval. These rules have been approved by this office and filed with the Secretary of State. Please note that they have not been filed with the State Register. This must be done promptly by your agency.

Upon receipt and before transmittal to your agency, however, it is important that you recheck these rules as to:

1. Affixation of stamps of the Attorney General and Secretary of State;

2. Coverage by these stamps of all rules submitted; and

3. Inclusion of all pages to the rules in the approved set.

If you have any questions in this regard, please contact me.

Encs.

cc: Ms. Kathy Burek
Mr. Duane Harves

LDS: sa

AG copy

Amended Rule as Adopted

5 MCAR S 1.0790 Post-secondary vocational instructional personnel.

A.-B. [Unchanged.]

C. Uncharted licensure criteria; robotics technician. To qualify for a license, an applicant in a licensure area not charted in 5 MCAR S 1.0798, must comply with 5 MCAR S 1.0781, 1.0782, 1.0784 C., and 1.0785, and specifically in the area of technical education/robotics technician, must present evidence of completion of the following education and occupational experience requirements.

1. Education requirement. An applicant must have completed at an accredited institution, either:

a. two years (2,160 clock hours) post-secondary vocational-technical training focusing on technician level training in any one or more of the following areas ~~of~~: robotics/flexible automation, fluid power, electronics, automated packaging, industrial engineering, electro-mechanical technology, ~~or~~ industrial technology, or manufacturing processes; or

b. a degree program in any one or more of the following: mechanical, electrical, or aero-space engineering at the baccalaureate level or higher.

2. Occupational experience requirement. An applicant must have 2,000 hours of experience within the last five years in robotics ~~or programmable~~/flexible automation, and 4,000 hours of experience focusing on the technical application of any one or more of the following areas: robotics/flexible automation; electronics emphasizing computer technician or computer programmer skills; fluid power mechanics; manufacturing processes applications; or electro-mechanical technology.

STATE OF MINNESOTA
DEPARTMENT OF STATE
FILED
JUL 24 1984 11:52 AM
Joan Anderson Growe
Secretary of State

APPROVED AS TO LEGALITY
July 23, 1984
HUBERT H. HUMPHREY, III
ATTORNEY GENERAL
BY
SPECIAL ASSISTANT ATTORNEY GENERAL

SF-00006-01

STATE OF MINNESOTA

Office Memorandum

DEPARTMENT Education
747 Capitol Square Building

TO : Special Ass't. Attorney General
204 Administration Building

DATE: June 26, 1984

FROM : Lois E. Steinhaus
Education Statistics Section

PHONE: 6-4428

SUBJECT: Approval for Rules Governing Post-Secondary Vocational Instructional Personnel Licensure - Robotics Technician - 5 MCAR S 1.0790 C.
OAH Docket No. EDU-84-001-RL

Rules With Hearing

Enclosed is the complete record of the Hearing.

Also enclosed are four copies of the Rules as Adopted and two copies of the Order Adopting Rules. In addition, is a copy of each of the following:

1. Certificate of Board's Resolution Adopting Rules
2. Notice of Intent to Solicit Outside Opinion and any written Material received
3. Order for Hearing
4. Certificate of Board's Authorizing Resolution
5. Notice of Hearing
6. Affidavit of Mailing
   Affidavit of the Additional Notice....Rulemaking Mailing List Certificate
7. Rules as Proposed - State Register
   and as mailed
8. Hearing Examiner's Report
9. Chief Hearing Examiner's Report
10. Findings of Fact and Conclusions
11. Statement of Need and Reasonableness
12. Affidavit of Mailing Notice of Submission to the Attorney General and accompanying Notice

Please let me know when this record is ready for pick up and I will send someone to get it.

Thank you.

State of Minnesota
State Board of Vocational-Technical Education

In the Matter of the Proposed Adoption
of Rules of the State Board of
Vocational-Technical Education
Governing Rules for Licensure of
Vocational Education Personnel
MR 3515.5050 (Renumbered from 5 MCAR
§ 1.0790C.)

ORDER ADOPTING RULES

The above entitled matter came on for hearing before Hearing Examiner Richard C. Luis on the 23rd day of February, 1984 at 9:00 A.M. at the Capitol Square Building, first floor conference rooms, 550 Cedar Street, St. Paul, Minnesota, after proper notice required by Minnesota Statutes sections 14.05 to 14.08 and 14.10 to 14.28 was served upon all persons, associations, and other interested groups registered with the State Board of Vocational-Technical Education for that purpose.

After affording interested persons an opportunity to present written and oral data, statements and agruments, hearing all of the testimony, considering all of the evidence adduced and upon the records, files, and proceedings herein and applicable statutory standards or criteria, and confirming the need for and reasonableness of the above-captioned rule.

NOW, THEREFORE, IT IS ORDERED that these rules identified as 3515.5050 are adopted this 11th day of June, 1984, pursuant to authority vested in the Board by Minnesota Statutes sections 121.11, subd. 12, and 125.185, subd. 4.

STATE OF MINNESOTA
State Board of Vocational-Technical
Education

Joseph P. Graba, Secretary

EDU-84-001-RL

STATE OF MINNESOTA
OFFICE OF ADMINISTRATIVE HEARINGS

FOR THE STATE BOARD OF VOCATIONAL-TECHNICAL EDUCATION

In the Matter of Proposed Adoption
of Rules Governing Post-Secondary
Vocational Instructional Personnel
Licensure - Robotics Technician
5 MCAR § 1.0790 C.

ORDER OF THE CHIEF
ADMINISTRATIVE LAW JUDGE

WHEREAS, a hearing was held on February 23, 1984 before Richard C. Luis, an Administrative Law Judge of the State Office of Administrative Hearings, on the above-entitled matter in compliance with the rule-making provisions of Minn. Stat. Ch. 14 (1982 and 1983 Supp.); and

WHEREAS, the Report of Administrative Law Judge made pursuant to Minn. Stat. § 14.50, was issued to the State Board of Vocational-Technical Education and;

WHEREAS, the State Board of Vocational-Technical Education has now determined to adopt rules; and

WHEREAS, the State Board of Vocational-Technical Education has submitted said rules to the Chief Administrative Law Judge for review pursuant to Minn. Stat. §§ 14.16, 14.51, and 9 MCAR § 2.111; and

WHEREAS, the Chief Administrative Law Judge finds that the final proposed rules are not substantially different from those proposed at the public hearing.

NOW, THEREFORE, upon receipt of this Order, the State Board of Vocational-Technical Education has the responsibility of submitting the complete hearing record and the rules as adopted to the Revisor of Statutes and Attorney General and to publish in the State Register if approved by the Attorney General.

Dated: May 24, 1984.

Duane R. Harves

DUANE R. HARVES
Chief Administrative Law Judge

EDU-84-001-RL

STATE OF MINNESOTA
OFFICE OF ADMINISTRATIVE HEARINGS

FOR THE STATE BOARD OF VOCATIONAL-TECHNICAL EDUCATION

In the Matter of Proposed Adoption
of Rules Governing Post-Secondary
Vocational Instructional Personnel
Licensure - Robotics Technician
5 MCAR § 1.0790 C.

REPORT OF THE HEARING EXAMINER

Pursuant to a Notice of Hearing dated November 7, 1983, the above-entitled matter came on for hearing before Richard C. Luis, duly appointed Hearing Examiner, on Thursday, February 23, 1984, commencing at 9:00 a.m. in Conference Rooms A and B, First Floor, Capitol Square Building, St. Paul, Minnesota. This is a rulemaking proceeding conducted pursuant to Minn. Stat. Ch. 14 to determine whether the Board of Vocational-Technical Education has the authority to adopt the rules proposed and whether they are necessary and reasonable and may be adopted.

Charles Mottl, Special Assistant Attorney General, 1100 Bremer Tower, Seventh Place and Minnesota Streets, St. Paul, Minnesota 55101, appeared as counsel for the Board of Vocational-Technical Education. The Board's panel consisted of Joseph Graba, State Director of Vocational-Technical Education; Dr. Deena Allen, Supervisor, Instructional Services Section; and Maryls Hedtke, Student Intern, Instructional Services Section, all employees of the State Department of Education. Approximately 35 persons attended the hearing, and 29 persons signed the hearing register. The hearing continued until 3:30 p.m. on February 23, until all persons present had an opportunity to be heard. Four of the public witnesses (Craig Froke, Richard Pooley, David Carroll, and Michael Newkirk) were persons solicited by the Board in advance of the hearing to testify on behalf of the proposed rules. One written comment was filed with the Office of Administrative Hearings before the hearing was held. At the hearing, the Board submitted 12 exhibits and the public submitted 12 exhibits, two of which are multi-parted (Exhibit 6 consists of 21 documents and Exhibit 8 consists of 4 documents). Several written comments, including one document from the Board containing recommended amendments and an analysis of its reaction to the public comments, were received prior to the close of the comment period, which remained open for 14 days, through March 8, 1984, by order of the Hearing Examiner issued at the hearing. One public comment was filed late.

Pursuant to Minn. Stat. § 14.15, subd. 1, (1983 Supp.) the record remained open for an additional three business days, through March 13, 1984, to allow the Board to indicate in writing whether there were amendments supported by other persons which it was willing to adopt. The Board allowed this deadline to pass without filing a written acceptance of other amendments.

This Report shall be available for review to all affected individuals upon request for at least five working days before the agency takes any further action on the rule(s). Pursuant to Minn. Stat. § 14.16 (1982), the Board of Vocational-Technical Education shall, if it proposes to adopt the rule as recommended herein, submit the rule, together with the complete hearing record to the Attorney General and shall be responsible for notifying persons who have indicated that they wish to be notified of such filing. If the Board makes changes in the rule other than those recommended herein, it shall submit the rule with the complete hearing record to the Chief Hearing Examiner for a review of the changes prior to submitting it to the Attorney General for review.

Based upon all the testimony, exhibits, and written comments, the Hearing Examiner makes the following:

FINDINGS OF FACT

Procedural Requirements

1. On November 10, 1983, the State Board for Vocational Education (predecessor of the State Board of Vocational-Technical Education) filed the following documents with the Chief Hearing Examiner:

(a) A copy of the proposed rules.
(b) The Order for Hearing, signed by the Board's Secretary, Ruth E. Randall, Commissioner of Education, with an attached document of authority from the Board to order the hearing.
(c) The Notice of Hearing proposed to be issued.
(d) A statement of the number of persons expected to attend the hearing and estimated length of the Board's presentation.

2. On January 23, 1984, a Notice of Hearing and a copy of the proposed rules were published at 8 State Register No. 30, pp. 1715-1717.

3. On January 1, 1984, pursuant to Minn. Laws 1983, Chapter 258, §§ 60, 61 and 63, the State Board for Vocational Education was abolished and the State Board of Vocational-Technical Education was established to govern post-secondary vocational education. The new Board was granted all powers necessary and incident to the management, jurisdiction, and governance of post-secondary vocational education. The rules of the State Board for Vocational Education for post-secondary and adult vocational education licensure were transferred to the jurisdiction of the new Board.

4. On January 18, 1984, the Board of Vocational-Technical Education mailed the Notice of Hearing to all persons and associations who had registered their names with the Board, and its predecessor Board for Vocational Education, for the purpose of receiving such notice.

5. On January 25, 1984, the Board of Vocational-Technical Education filed the following documents with the Hearing Examiner:

(a) The Notice of Hearing as mailed.
(b) The Board's certification that its mailing list was accurate and complete.
(c) The Affidavit of Mailing the Notice to all persons on the Board's list.
(d) The Statement of Need and Reasonableness.
(e) The names of Department of Education personnel who will represent the Board at the hearing together with the names of any other witnesses solicited by the Board to appear on its behalf.
(f) A copy of the State Register containing the proposed rules.
(g) An Affidavit of Additional Notice.
(h) All materials received following a Notice of Intent to Solicit Outside Opinion published at 7 State Register No. 44, p. 1579 on May 2, 1983. No material was received by the Department of Education in response to this solicitation.

5. The documents were available for inspection at the Office of Administrative Hearings from the date of filing to the date of the hearing.

6. The record remained open through March 8, 1984, for the receipt of written comments and statements, the period having been extended by order of the Hearing Examiner to 14 calendar days following the hearing. Pursuant to Minn. Stat. § 14.15, subd. 1, the Board of Vocational-Technical Education was allowed an additional three business days, through March 13, 1984, to indicate in writing whether there were amendments suggested by other persons which it was willing to adopt. The Board allowed this deadline to pass without comment.

Background

7. The subject matter of the proposed rules is the licensure standards for persons authorized to teach a post-secondary course in robotics technician training in the public vocational-technical schools of Minnesota. Robotics is a relatively new, emerging field, both in education and industry. Programs of education for robotics technicians have been approved and are being implemented in three of the state's Area Vocational-Technical Institutes (Granite Falls, Minneapolis and Staples). None of the instructors of the course programs has been licensed because of the lack of rules setting licensure standards. As a result of having a program in place, with instructors teaching those programs, the Board for Vocational Education, through its administrative arm, the Vocational-Tecnical Education Division of the State Department of Education, gave the implementation of licensure standards for instructors in robotics immediate priority. The robotics technician licensure rule was developed by a committee which included, among others, representatives from the three Area Vocational-Technical Institutes offering the course program. The licensure criteria developed by the committee were submitted to the robotics technician program advisory committees at the Minneapolis and Granite Falls Area Vocational-Technical Institutes for their review and approval. Both of these advisory committees include representatives from private industry interested in robotics, including persons from 3M, Honeywell, Control Data, and GCA Corporation. Neither advisory committee recommended changes in the rule as proposed.

On September 12, 1983, the Committee's final draft, as approved by the Board for Vocational Education and the State Department's Vocational-Technical Division, was published at 8 State Register No. 11, pp. 428-429, under a Notice of Intent to Adopt Rule Without a Public Hearing. Pursuant to Minn. Stat. § 14.22, the public was advised that no public hearing would be held unless seven or more persons made a written request within 30 days (the comment period) following publication of the Notice on September 12. During the comment period, 21 requests for a public hearing were received by the Vocational-Technical Division (see Public's Exhibit 6A-6U). As a result, pursuant to Minn. Stat. § 14.25, the Board proceeded with this public hearing process.

Statutory Authority

8. In its Notice of Hearing, the Board cited the following statutes as authority for the adoption of the proposed rules:

(1) Minn. Stat. § 121.11, subd. 12, which reads, in relevant part:

> "The state board (for vocational education) shall adopt and enforce rules, consistent with this code, appropriate for the administration and enforcement thereof...."; and

(2) Minn. Stat. § 125.185, subd. 4, which reads, in relevant part:

> "...With regard to vocational education teachers the board of teaching shall adopt and maintain as its rules the rules of the state board for vocational education."

At the hearing, counsel for the Board entered into the record, as Board's Exhibit 12, relevant portions of Minn. Laws 1983, Chapter 258, the enactment with abolished the Board for Vocational Education and created the Board of Vocational-Technical Education. Chapter 258, § 61, subd. 9, reads:

> "The state board may promulgate rules, according to the provisions of chapter 14, for the licensure of teaching, support and supervisory personnel in post-secondary and adult vocational education."

The Hearing Examiner finds that Minn. Laws 1983, Chapter 258, § 61, subd. 9, grants the Board of Vocational-Technical Education the statutory authority to adopt the proposed rules.

Discussion of the Proposed Rules

9. The proposed rules are structured to fit the traditional design, or model, used in setting licensure standards for teachers in other areas of vocational-technical education. That is, they contain an education requirement (at least two years of relevant training) and occupational experience requirements. The occupational experience requirements are for a minimum of three years (6,000 hours) of experience, and are divided into two independent parts. The first, or "recency" requirement, mandates a minimum of

one year (2,000 hours) of experience in the specific occupational field of robotics within the last five years prior to application for licensure. The second part of the occupational experience standard requires a minimum of two more years (4,000 hours) in the occupational field or any of several other occupational areas which have been determined by the drafters to relate to robotics. This second portion of the experience requirement has no "recency" provision. In other words, it is permissible to have acquired the experience at any time during the course of the applicant's career.

The specific standards proposed by the Board, in the proposals as published on January 23, 1984, and as amended prior to the close of the record, will be discussed below.

10. There was controversy at the hearing, however, regarding the "conformity" of the standards into the model described in the preceding Finding, a model in structural conformity with all existing post-secondary vocational-technical licensure rules. Dr. Deena Allen, the Education Department's chief spokesperson at the hearing, testified that the Department is currently studying a structural reformation of all of the vocational-technical education licensing standards. Several public witnesses, such as Caroline Rosdahl of the Anoka Area Vocational-Technical Institute and Dick Sunsdahl, an instructor at the Faribault Area Vocational-Technical Institute representing the Minnesota Trade and Industrial Association, advocated the setting up of standards around a "core" concept, whereby a separate category of "robotics coordinator" would be licensed as a lead instructor and specialists in related disciplines would be authorized to teach "units of instruction" within the robotics program (such as electronics, fluid power mechanics, tool and die, etc.). The proponents of this position argue that such a structure is more realistic than the current model, and that reformation of the rule structure should begin with these rules. Dr. Allen replied that, while the Department was aware of problems inherent in the current model, it has decided to propose these rules within the structure of that model because (1) it is the model currently in effect and there is an immediate need to license instructors, and (2) the Department has decided to continue studying the overall structure for its vocational-technical education licensing standards until such time as it will propose a general reformation of the standards for all areas of instruction, foregoing the "piecemeal" approach to reform that would result from adoption of a different model in one particular area at this time.

The Hearing Examiner finds that the Department's choice of a structural model conforming to the model currently used for licensure standards in all other areas of vocational-technical instruction is necessary and reasonable. This is so not only because of the immediate need for licensed instructors but also because the model conforms to all of the other, currently valid, rules regarding licensure of instructors throughout the vocation-technical education system.

11. The education and occupational experience requirements originally published in the State Register contain serial listings of several areas in which education and experience relevant to licensure could be acquired. Each list separated its subparts by commas or semicolons and deployed the alternative conjunction "or" prior to the last item in the list. The

drafters' intention is that any combination of one or more of the items listed would be acceptable. The proposal as originally drafted was correct, gramatically, in expressing that concept, but several members of the public expressed concern about confusion over the meaning and intent of the listings as drafted. As a result, the Department proposed an amendment which inserts the words "any one or more of the following" before the serial listings in subsections 1a, 1b, and 2. The Hearing Examiner finds that this amendment is necessary and reasonable for clarification purposes and further finds that this amendment is not a substantial change.

12. The education requirement in the proposed rule provides an alternative of two years' post-secondary vocational-technical training in certain listed areas or completion of a degree program (baccalaureate or higher) in certain engineering areas. Several members of the public advocated the addition of the variety of areas of post-secondary vocational-technical training to the list, such as robotics itself, flexible automation, programmable automation, tool and die and mechanical drafting.

In its submission prior to the close of the record, the Board proposed amending its list of acceptable vocational-technical training by adding "manufacturing processes" to the list. The use of this generic term is an attempt to incorporate the desire expressed by public witnesses to provide, in the rule, an appropriate educational base for a robotics technician instructor. It is also consistent with the emphasis on "areas", rather than on specific programs or courses, as reflected in the proposal as published. The Board argues that this term covers the areas of design technology, machine tool processes, tool and die, tool design and mechancial drafting that public witnesses were concerned should be recognized. The Hearing Examiner finds the proposed amendment adding "manufacturing processes" to the list of areas recognized as appropriate for the education requirement to be necessary and reasonable. It is further found that this amendment is not a substantial change in the rules as originally published because it concerns a subject matter raised by the original Notice - appropriate education.

13. The Board's final submission prior to the close of the record added the areas of "robotics" and "flexible automation" to both the list of acceptable education requirements and to the list of acceptable career (4,000 hours) occupational experience requirements. It also proposed deletion of word "programmable" from the "recent" occupational experience requirement (2,000 hours in the last five years) and substitution of the word "flexible" in its place.

The general thrust of these proposals is to recognize that educational training and occupational experience in the area of robotics itself is relevant to determining the qualifications of licensure to teach a robotics technician course. The Hearing Examiner finds that this position, advocated by several of the public witnesses at the hearing and accepted by the Department of Education personnel acting for Board, is both necessary and reasonable.

However, the Hearing Examiner's review of the record has led him to conclude that the terms "robotics" and "flexible automation" are synonomous - that is, they both deal with machines, like robots, that are designed to

perform any of several mechanical functions. On the other hand, "programmable" automation, the term proposed for deletion in the final submission, refers to machines designed to perform only one mechanical function. It is suggested that the use of the separate categories of "robotics" and "flexible automation" in the rule may be redundant, and that the Board should consider using the conjunction "or" between the two listings or placing a slash between them, rather than separating them by punctuation, for purposes of editorial clarification. It is found that such a change would be editorial in nature and not a substantial change, and it is further found that such a change is necessary and reasonable.

If it was the Board's intention to include training and occupational experience requirements in single-function machines in its lists, however, the term "programmable automation" should be inserted in the educational requirements and the career occupational experience requirements lists and the word "programmable" should be re-inserted before the word "automation" in the "recency" requirement of subsection two. Such a change, if adopted, would be consistent with the testimony offered at the hearing by David Hoska and David Carroll and is found to be necessary and reasonable. It is further found that insertion of "programmable automation" as suggested would not be a substantial change, because the subject matter (educational and occupational experience requirements) was raised in the Notice of Hearing and at the public hearing.

14. Testimony was taken at the hearing and documents were submitted prior to the close of the record supporting changes regarding several other subjects, which were considered and rejected by the Board in its final submission. These included:

(1) Suggestions that the rule should allow persons currently teaching some robotics in other programs, such as electronics, to be "grandfathered" in and thus be eligible for a robotics technician teaching license;

(2) Dropping of the requirement for recent occupational experience in robotics; and

(3) Providing credit for occupational experience acquired in the military service.

The Board rejected suggestion (1) above because the fact that instructors in other programs are currently allowed to, and do, teach small units of robotics within their programs does not, of itself, guarantee that they have the necessary training and experience to teach a full program of robotics technician training. Suggestion (2) was rejected because the Board decided that it was important in this area, in which the technology is relatively recent and changing rapidly, to have recent, "hands on" experience. It is reasoned that those persons who have worked with robotics more regularly and recently in their jobs are more apt to have an in-depth knowledge of robotics consistent with current industry standards. Suggestion (3), for a recognition of military occupational experience within the body of the rule itself, was rejected because the Board currently has a rule, part five of Minn. Rule 3515.1300 (also numbered 5 MCAR § 1.0783 B. 5.), recognizing and quantifying military experience as an alternative form of occupational experience, cutting across all areas of vocational-technical licensure.

15. Pursuant to Minn. Stat. § 14.47 (1983 Supp.) the Revisor of Statutes has issued a recompilation of all Minnesota state agency rules. The proposed rules are numbered 5 MCAR § 1.0790 C. The Hearing Examiner notes that such a notation is not in conformity with the recompiled rules as issued by the Revisor of Statutes. Under the recompilation, the subject of Licensure for Personnel in Vocational Schools is Minn. Rules Chapter 3515. If the Board decides to adopt rules as a result of this hearing process, the rules will be renumbered by the office of the Revisor of Statutes to conform with the recompilation.

Based upon the foregoing Findings of Fact, the Hearing Examiner makes the following:

CONCLUSIONS

1. That the Board for Vocational Education, predecessor to the Board of Vocational-Technical Education gave proper notice of the hearing in this matter.

2. That the Board for Vocational Education, predecessor to the Board of Vocational-Technical Education has fulfilled the procedural requirements of Minn. Stat. § 14.14, subds. 1, 1a and 2 (1982), as amended by Minn. Laws 1983, Ch. 210, § 4 and Ch. 301, § 64, and all other procedural requirements of law or rule.

3. That the Board for Vocational-Technical Education has documented its statutory authority to adopt the proposed rules, and has fulfilled all other substantive requirements of law or rule within the meaning of Minn. Stat. §§ 14.05, subd. 1, 14.15, subd. 3, as amended by Minn. Laws 1983, Ch. 210, § 6, and 14.50 (i) and (ii) (1982).

4. That the Board for Vocational-Technical Education has demonstrated the need for and reasonableness of the proposed rules by an affirmative presentation of facts in the record within the meaning of Minn. Stat. §§ 14.14, subd. 2 and 14.50 (iii) (1982).

5. That the additions and amendments to the proposed rules which were suggested by the Board for Vocational-Technical Education after publication of the proposed rules in the State Register do not result in rules which are substantially different from the proposed rules as published in the State Register within the meaning of Minn. Stat. § 14.15, subd. 3 (1982), as amended by Minn. Laws 1983, Ch. 210, § 6, and 9 MCAR §§ 2.110 A. and 2.111 (1980 Ed.).

6. That any Findings which might properly be termed Conclusions and any Conclusions which might properly be termed Findings are hereby adopted as such.

7. That a finding or conclusion of need and reasonableness in regard to any particular rule subsection does not preclude and should not discourage the Board for Vocational-Technical Education from further modification of the rules based upon an examination of the public comments, provided that no

substantial change is made from the proposed rules as originally published, and provided that the rule finally adopted is based upon facts appearing in this rule hearing record.

Based upon the foregoing Conclusions, the Hearing Examiner makes the following:

RECOMMENDATION

It is hereby recommended that the proposed rules be adopted consistent with the Findings and Conclusions made above.

Dated this 6th day of April, 1984.

Richard C. Luis

RICHARD C. LUIS
Hearing Examiner

Reported: Peggy A. Foster, Court Reporter
Janet R. Shaddix & Associates

State of Minnesota
State Board of Education
(State Board for Vocational Education)
Department of Education
Vocational-Technical Education Division

In the Matter of the Proposed Adoption
of Rules of the State Board of Education
(State Board for Vocational Education)
Governing Post-Secondary Vocational
Instructional Personnel Licensure -
Robotics Technician, 5 MCAR § 1.0790 C.

ORDER FOR
HEARING

IT IS ORDERED this 7th day of November, 1983, that a public hearing on the proposed rules captioned above be held in the Capitol Square Building, Conference Rooms A and B, first floor, St. Paul, Minnesota on February 23, 1984, commencing at 9:00 A.M., and continuing until all representative of associations or other interested groups or persons have had an opprotunity to be heard.

IT IS FURTHER ORDERED, that notice of said hearing be given to all persons who have registered their names with the State Board of Education (State Board for Vocational Education) for that purpose and be published in the State Register.

STATE OF MINNESOTA
State Board of Education
(State Board for Vocational Education)

Ruth E. Randall

Ruth E. Randall, Secretary

CERTIFICATE OF BOARD'S

AUTHORIZING RESOLUTION

I, Ruth E. Randall, do hereby certify that I am the Secretary of the Board of Education (State Board for Vocational 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 Board of Education (State Board for Vocational Education) duly and properly called and held on the 7th day of November, 1983, that a quorum was present at said meeting, that a majority of those present voted for the resolution and that said resolution is set forth in the minutes of said meeting and has not been rescinded or modified.

> "RESOLVED, that Ruth E. Randall, Secretary of the Board of Education (State Board for Vocational Education), be and she hereby is granted the authority and directed to call a hearing for the purpose of promulgating rules of the Board governing Licensure of Post-Secondary vocational instructional personnel Robotics Technician as well as perform any and all acts incidental thereto, including but without being limited to signing an Order for Hearing and Notice of Hearing, as well as acting as the Board's representative at all hearings."

IN WITNESS WHEREOF, I have hereunto subscribed my name this 7th day of November, 1983.

Ruth E. Randall

Ruth E. Randall, Secretary

Member, State Board of Education

State of Minnesota
State Board of Vocational-
Technical Education

Before Richard C. Luis
Hearing Examiner
Office of Administrative
Hearings

In the Matter of Proposed Adoption
of Rules of the State Board of
Vocational-Technical Education
Governing Post-Secondary Vocational
Instructional Personnel Licensure--
Robotics Technician
3515.4900 - 3515.5050 (Renumbered
from 5MCAR § 1.0790)

Findings of Fact and
Conclusions:

The above entitled matter came on for hearing before Richard C. Luis, Hearing Examiner, on Thursday, February 23, 1984, at 9:00 a.m. in Conference Rooms A and B, First Floor, Capitol Square Building, St. Paul, Minnesota, after proper notice as required by Minnesota Statute, Chapter 14 was served upon all persons, associations, and other interested groups registered with the State Board of Vocational-Technical Education for that purpose.

After affording interested persons an opportunity to present written and oral statements and arguments, having reviewed all of the testimony, having considered all of the evidence submitted, having considered the Report of the Hearing Examiner, and based upon all of the testimony and proceedings herein, and applicable statutory standards or criteria, having withheld action on the proposed Rules for the required period of time after receipt of the Report of the Hearing Examiner, and having confirmed the need for the above captioned Rules, the State Board of Vocational-Technical Education finds that the Findings of Fact of the Hearing Examiner accurately reflect the facts in the record except as set forth below.

NOW THEREFORE, IT IS RESOLVED that the State Board of Vocational-Technical Education hereby adopts and incorporates herein the report

of the Hearing Examiner dated April 6, 1984, relative to the above-entitled matter, except as set forth below.

FINDINGS OF FACT AND CONCLUSIONS

1. The State Board of Vocational-Technical Education adopts the recommendation of the Hearing Examiner as contained in Findings of Fact, Number 13, suggesting that the terms "robotics" and "flexible automation" are synonomous and the "conjunction or between the two listings or placing a slash between them" is appropriate for purposes of editorial clarification.

> 1. Education requirement. An applicant must have completed at an accredited institution, either:
>
> a. two years (2,160 clock hours) post-secondary vocational-technical training focusing on technician level training in any one or more of the following areas: ~~of~~ robotics / flexible automation, fluid power, electronics, automated packaging, industrial engineering, electro-mechanical technology, ~~or~~ industrial technology;, or manufacturing processes; or
>
> b. a degree program in any one or more of the following: mechanical, electrical, or aero-space engineering at the baccalaureate level or higher.
>
> 2. Occupational experience requirement. An applicant must have 2,000 hours of experience within the last five years in robotics/ ~~or programmable~~ flexible automation, and 4,000 hours of experience focusing on the technical application of any one or more of the following areas: robotics / flexible automation; electronics emphasizing computer technician or computer programmer skills; fluid power mechanics; manufacturing processes applications; or electro-mechanical technology.

The Board concludes that the recommended editorial change is needed and reasonable because the language proposed by the Hearing Examiner clarifies the original intention of the Board.

2. The State Board of Vocational-Technical Education declines to implement the second suggestion contained in Number 13 of the Hearing Examiner's report with respect to re-inserting the term "programmable" before the word automation in the educational requirements and the career occupational experience requirements. The Board concludes that the term "robotics/flexible automation" encompasses programmable automation;

therefore it is unnecessary to specifically include the term "programmable" automation.

3. The State Board of Vocational-Technical Education has carefully reviewed all comments submitted to the Hearing Examiner and expressed to the Board prior to the adoption of the rules governing Post-Secondary Vocational Instructional Personnel Licensure - Robotics Technician.

4. The State Board of Vocational-Technical Education concludes that the rules, as amended, are both needed and reasonable.

State of Minnesota
State Board of Vocational-
Technical Education

Joseph P. Graba, Secretary

May 11, 1984
Date

State of Minnesota

State Board of Vocational Technical Education
(Successor to the State Board for Vocational Education -- MN Laws 1983, Chapter 258, Section 63)

IN THE MATTER OF: The Proposed Adoption of Rules of the State Board of Vocational Technical Education Governing the Licensure of Post Secondary Vocational Instructional Personnel; Robotics Technician
5 MCAR § 1.0790
With Public Hearing

STATE OF MINNESOTA)
) ss.
County of Ramsey)

AFFIDAVIT OF MAILING

John R. Jelinek, being first duly sworn, deposes and says:

That on the 18th day of January, 1984, at the City of St. Paul, County of Ramsey, State of Minnesota, he served the attached Notice of Hearing and a copy of the rules as proposed, 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 named on the certified list (see attached Certificate) who have requested that their names be placed on file with the Minnesota Department of Education for the purpose of receiving notice of the proposed adoption of rules by the State Board of Education and the State Board of Vocational Technical Education.

John R Jelinek

Subscribed and sworn to before me
this 18th day of January, 1984.

Lois E. Steinhaus

LOIS E. STEINHAUS
NOTARY PUBLIC-MINNESOTA
RAMSEY COUNTY
MY COMMISSION EXPIRES MAY 9, 1989

State of Minnesota

State Board of Vocational Technical Education
(Successor to the State Board for Vocational Education -- MN Laws 1983, Chapter 258 Section 62)

IN THE MATTER OF: The Proposed Adoption of Rules of the State Board of Vocational Technical Education Governing the Licensure of Post Secondary Vocational Instructional Personnel; Robotics Technician
5 MCAR § 1.0790
With Public Hearing

AFFIDAVIT OF ADDITIONAL NOTICE OF THE STATE BOARD OF EDUCATION AND THE STATE BOARD OF VOCATIONAL TECHNICAL EDUCATION MAILING LIST

I hereby certify that in addition to the Notice required for persons on the State Board of Education and the State Board for Vocational Technical Education rulemaking mailing list of persons who have specifically requested notice of rulemaking proceedings, a notice and a copy of the rules as proposed were mailed to school superintendents, directors of ECSUs, AVTIs, vocational centers, adult education and joint powers districts, and also vocational teacher educators.

State Board of Vocational Technical Education

Joseph P. Graba

Joseph P. Graba, State Director

Subscribed and sworn to before me

this 18th day of January, 1984.

Lois E. Steinhaus

Notary Public

Ramsey County, Minnesota

My commission expires May 9, 1989.

LOIS E. STEINHAUS
NOTARY PUBLIC-MINNESOTA
RAMSEY COUNTY
MY COMMISSION EXPIRES MAY 9, 1989

State of Minnesota

State Board of Vocational Technical Education
(Successor to the State Board for Vocational Education -- MN Laws 1983, Chapter 258, Section 63)

STATE OF MINNESOTA

COUNTY OF RAMSEY

IN THE MATTER OF: The Proposed Adoption of Rules of the State Board of Vocational Technical Education Governing the Licensure of Post Secondary Vocational Instructional Personnel; Robotics Technician
5 MCAR § 1.0790
With Public Hearing

CERTIFICATE

I hereby certify that the list of persons, associations, and other interested groups who have requested, pursuant to Minnesota Statute § 14.14, subdivision 1, that their names be placed on file with and maintained by the Minnesota Department of Education for the purpose of receiving notice of the proposed adoption of rules by the State Board of Education and the State Board of Vocational Technical Education is accurate and complete as of 4 o'clock P .M. this 16th day of January, 1984.

STATE DEPARTMENT OF EDUCATION

By Evilona Lavne

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GLYNDON MINN
56547

SUPERINTENDENT

BARNESVILLE
INDEP SCH DISTRICT 0146
BOX 188
BARNESVILLE MINN
56514

SUPERINTENDENT

DILWORTH
INDEP SCH DISTRICT 0147
BOX 188
DILWORTH MINN
56529

SUPERINTENDENT

HAWLEY
INDEP SCH DISTRICT 0150
BOX 608
HAWLEY MINN
56549

SUPERINTENDENT

MOORHEAD
INDEP SCH DISTRICT 0152
810 4TH AVE. S.
MOORHEAD MINN
56560

SUPERINTENDENT

ULEN-HITTERDAL
INDEP SCH DISTRICT 0914

ULEN MINN
56585

SUPERINTENDENT

GONVICK-TRAIL
INDEP SCH DISTRICT 0158

GONVICK MINN
56644

SUPERINTENDENT

CLEARBROOK
INDEP SCH DISTRICT 0161

CLEARBROOK MINN
56634

SUPERINTENDENT

BAGLEY
INDEP SCH DISTRICT 0162
308 N. BAGLEY AVE.
BAGLEY MINN
56621

SUPERINTENDENT

COOK COUNTY
INDEP SCH DISTRICT 0166
BOX F
GRAND MARAIS MINN
55604

SUPERINTENDENT

MOUNTAIN LAKE
INDEP SCH DISTRICT 0173
450 12TH ST.
MOUNTAIN LAKE MINN
56159

SUPERINTENDENT

BRAINERD
INDEP SCH DISTRICT 0181
300 QUINCE ST.
BRAINERD MINN
56401

SUPERINTENDENT

BURNSVILLE
INDEP SCH DISTRICT 0191
100 RIVER RIDGE COURT
BURNSVILLE MINN
55337

SUPERINTENDENT

ROSEMOUNT
INDEP SCH DISTRICT 0196
14445 DIAMOND PATH W.
ROSEMOUNT MINN
55068

SUPERINTENDENT

DAKOTA COUNTY AVTI
INDEP SCH DISTRICT 0917
1300 145TH ST. E.
ROSEMOUNT MINN
55068

SUPERINTENDENT

KASSON-MANTORVILLE
INDEP SCH DISTRICT 0204
P.O. BOX 158
KASSON MINN
55944

SUPERINTENDENT

EVANSVILLE
INDEP SCH DISTRICT 0208

EVANSVILLE MINN
56326

SUPERINTENDENT

WESTBROOK
INDEP SCH DISTRICT 0175
BOX 128
WESTBROOK MINN
56183

SUPERINTENDENT

CROSBY-IRONTON
INDEP SCH DISTRICT 0182

CROSBY MINN
56441

SUPERINTENDENT

FARMINGTON
INDEP SCH DISTRICT 0192
510 WALNUT ST.
FARMINGTON MINN
55024

SUPERINTENDENT

WEST ST. PAUL
INDEP SCH DISTRICT 0197
1037 BIDWELL ST.
WEST ST. PAUL MINN
55118

SUPERINTENDENT

CLAREMONT
INDEP SCH DISTRICT 0201

CLAREMONT MINN
55924

SUPERINTENDENT

WEST CONCORD
INDEP SCH DISTRICT 0205
P.O. BOX 38
WEST CONCORD MINN
55985

SUPERINTENDENT

KENSINGTON
INDEP SCH DISTRICT 0209

KENSINGTON MINN
56343

SUPERINTENDENT

WINDOM
INDEP SCH DISTRICT 0177
BOX C-177
WINDOM MINN
56101

SUPERINTENDENT

PEQUOT LAKES
INDEP SCH DISTRICT 0186
BOX 368
PEQUOT LAKES MINN
56472

SUPERINTENDENT

LAKEVILLE
INDEP SCH DISTRICT 0194
8670 210TH ST. W.
LAKEVILLE MINN
55044

SUPERINTENDENT

INVER GROVE-PINE BEND
INDEP SCH DISTRICT 0199
9875 INVER GROVE TR. E.
INVER GROVE HEIGHTS MINN
55075

SUPERINTENDENT

DODGE CENTER
INDEP SCH DISTRICT 0202
BOX 40
DODGE CENTER MINN
55927

SUPERINTENDENT

ALEXANDRIA
INDEP SCH DISTRICT 0206
7TH & FILLMORE
ALEXANDRIA MINN
56308

SUPERINTENDENT

OSAKIS
INDEP SCH DISTRICT 0213
14 OAK ST. E.
OSAKIS MINN
56360

SUPERINTENDENT

STORDEN-JEFFERS
INDEP SCH DISTRICT 0178
BOX 68
STORDEN MINN
56174

SUPERINTENDENT

SOUTH ST. PAUL
SPECIAL SCH DIST. 0006
700 N. SECOND ST.
SOUTH ST. PAUL MINN
55075

SUPERINTENDENT

RANDOLPH
INDEP SCH DISTRICT 0195
BOX 38, 29110 DAVISSON A
RANDOLPH MINN
55065

SUPERINTENDENT

HASTINGS
INDEP SCH DISTRICT 0200
9TH & VERMILLION ST.
HASTINGS MINN
55033

SUPERINTENDENT

HAYFIELD
INDEP SCH DISTRICT 0203

HAYFIELD MINN
55940

SUPERINTENDENT

BRANDON
INDEP SCH DISTRICT 0207
BOX 185
BRANDON MINN
56315

SUPERINTENDENT

BRICELYN
INDEP SCH DISTRICT 0217
BOX 277
BRICELYN MINN
56014

SUPERINTENDENT

DELAVAN
INDEP SCH DISTRICT 0218
BOX 125
DELAVAN MINN
56023

SUPERINTENDENT

ELMORE
INDEP SCH DISTRICT 0219
BOX 98
ELMORE MINN
56027

SUPERINTENDENT

KIESTER-WALTERS
INDEP SCH DISTRICT 0222
KIESTER MINN
56051

SUPERINTENDENT

MINNESOTA LAKE
INDEP SCH DISTRICT 0223
BOX 218
MINNESOTA LAKE MINN
56068

SUPERINTENDENT

WELLS
INDEP SCH DISTRICT 0224
250 2ND AVE. SW.
WELLS MINN
56097

SUPERINTENDENT

WINNEBAGO
INDEP SCH DISTRICT 0225
BOX 65
WINNEBAGO MINN
56098

SUPERINTENDENT

BLUE EARTH
INDEP SCH DISTRICT 0240
EAST 6TH ST.
BLUE EARTH MINN
56013

SUPERINTENDENT

HARMONY
INDEP SCH DISTRICT 0228
145 MAIN AVE. S.
HARMONY MINN
55939

SUPERINTENDENT

LANESBORO
INDEP SCH DISTRICT 0229
100 KIRKWOOD EAST
LANESBORO MINN
55949

SUPERINTENDENT

PETERSON
INDEP SCH DISTRICT 0232
BOX 8
PETERSON MINN
55962

SUPERINTENDENT

PRESTON-FOUNTAIN
INDEP SCH DISTRICT 0233
BOX 407
PRESTON MINN
55965

SUPERINTENDENT

RUSHFORD
INDEP SCH DISTRICT 0234
BOX 368
RUSHFORD MINN
55971

SUPERINTENDENT

WYKOFF
INDEP SCH DISTRICT 0236
BOX 96
WYKOFF MINN
55990

SUPERINTENDENT

SPRING VALLEY
INDEP SCH DISTRICT 0237
BOX 72
SPRING VALLEY MINN
55975

SUPERINTENDENT

MABEL-CANTON
INDEP SCH DISTRICT 0238
FILLMORE AVE.
MABEL MINN
55954

SUPERINTENDENT

ALBERT LEA
INDEP SCH DISTRICT 0241
109 WEST AVE.
ALBERT LEA MINN
56007

SUPERINTENDENT

ALDEN
INDEP SCH DISTRICT 0242
BOX 99
ALDEN MINN
56009

SUPERINTENDENT

EMMONS
INDEP SCH DISTRICT 0243
BOX 13
EMMONS MINN
56029

SUPERINTENDENT

FREEBORN
INDEP SCH DISTRICT 0244
BOX 155
FREEBORN MINN
56032

SUPERINTENDENT

GLENVILLE
INDEP SCH DISTRICT 0245
230 5TH ST. SE.
GLENVILLE MINN
56036

SUPERINTENDENT

CANNON FALLS
INDEP SCH DISTRICT 0252
820 E. MINNESOTA ST.
CANNON FALLS MINN
55009

SUPERINTENDENT

GOODHUE
INDEP SCH DISTRICT 0253
BOX 128
GOODHUE MINN
55027

SUPERINTENDENT

KENYON
INDEP SCH DISTRICT 0254
401 FOREST
KENYON MINN
55946

SUPERINTENDENT

PINE ISLAND
INDEP SCH DISTRICT 0255
BOX 398
PINE ISLAND MINN
55963

SUPERINTENDENT

RED WING
INDEP SCH DISTRICT 0256
525 EAST AVE.
RED WING MINN
55066

SUPERINTENDENT

WANAMINGO
INDEP SCH DISTRICT 0258
WANAMINGO MINN
55983

SUPERINTENDENT

ZUMBROTA
INDEP SCH DISTRICT 0260
705 MILL ST.
ZUMBROTA MINN
55992

SUPERINTENDENT

ASHBY
INDEP SCH DISTRICT 0261
BOX C
ASHBY MINN
56309

SUPERINTENDENT

ARRETT
NDEP SCH DISTRICT 0262
UX 278
ARRETT MINN
6311

SUPERINTENDENT

OUSTON
NDEP SCH DISTRICT 0294
06 W. ELM
OUSTON MINN
5943

SUPERINTENDENT

KELEY
NDEP SCH DISTRICT 0301
UX 129
KELEY MINN
6433

SUPERINTENDENT

RAHAM
NDEP SCH DISTRICT 0314
OX 488
RAHAM MINN
5006

SUPERINTENDENT

GRAND RAPIDS
INDEP SCH DISTRICT 0318
820 N. POKEGAMA AVE.
GRAND RAPIDS MINN
55

SUPERINTENDENT

SIOUX VALLEY
INDEP SCH DISTRICT 0328
ROUTE 2
LAKE PARK, IOWA
51347

SUPERINTENDENT

ATWATER
INDEP SCH DISTRICT 0341
ATWATER MINN
56209

SUPERINTENDENT

ELBOW LAKE
INDEP SCH DISTRICT 0263
411 1ST ST. SE.
ELBOW LAKE MINN
56531

SUPERINTENDENT

SPRING GROVE
INDEP SCH DISTRICT 0297
BOX 626
SPRING GROVE MINN
55974

SUPERINTENDENT

LAPORTE
INDEP SCH DISTRICT 0306
BOX 8
LAPORTE MINN
56461

SUPERINTENDENT

CAMBRIDGE
INDEP SCH DISTRICT 0911
430 NW. 8TH AVE.
CAMBRIDGE MINN
55008

SUPERINTENDENT

NASHWAUK-KEEWATIN
INDEP SCH DISTRICT 0319
400 2ND ST.
NASHWAUK MINN
55769

SUPERINTENDENT

HERON LAKE-OKABENA
INDEP SCH DISTRICT 0330
BOX 378
HERON LAKE MINN
56137

SUPERINTENDENT

NEW LONDON-SPICER
INDEP SCH DISTRICT 0345
BOX 287
NEW LONDON MINN
56273

SUPERINTENDENT

HERMAN
INDEP SCH DISTRICT 0264
HERMAN MINN
56248

SUPERINTENDENT

CALEDONIA
INDEP SCH DISTRICT 0299
W. MAIN ST.
CALEDONIA MINN
55921

SUPERINTENDENT

NEVIS
INDEP SCH DISTRICT 0308
BOX 183
NEVIS MINN
56467

SUPERINTENDENT

COLERAINE
INDEP SCH DISTRICT 0316
ROOSEVELT AVE.
COLERAINE MINN
55722

SUPERINTENDENT

JACKSON
INDEP SCH DISTRICT 0324
405 5TH ST.
JACKSON MINN
56143

SUPERINTENDENT

MORA
INDEP SCH DISTRICT 0332
400 E. MAPLE
MORA MINN
55051

SUPERINTENDENT

RAYMOND
INDEP SCH DISTRICT 0346
309 DAY ST.
RAYMOND MINN
56282

SUPERINTENDENT

HOFFMAN
INDEP SCH DISTRICT 0265
BOX 306
HOFFMAN MINN
56339

SUPERINTENDENT

LA CRESCENT
INDEP SCH DISTRICT 0300
LANCER BLVD.
LA CRESCENT MINN
55947

SUPERINTENDENT

PARK RAPIDS
INDEP SCH DISTRICT 0309
PARK RAPIDS MINN
56470

SUPERINTENDENT

DEER RIVER
INDEP SCH DISTRICT 0317
DEER RIVER MINN
56636

SUPERINTENDENT

LAKEFIELD
INDEP SCH DISTRICT 0325
BOX 338
LAKEFIELD MINN
56150

SUPERINTENDENT

OGILVIE
INDEP SCH DISTRICT 0333
BOX 186
OGILVIE MINN
56358

SUPERINTENDENT

WILLMAR
INDEP SCH DISTRICT 0347
611 W. 5TH ST.
WILLMAR MINN
56201

SUPERINTENDENT

PRINSBURG
COMMON SCH DISTRICT 0815
BOX 297
PRINSBURG MINN
56281

SUPERINTENDENT

HALLOCK
INDEP SCH DISTRICT 0351
BOX L
HALLOCK MINN
56728

SUPERINTENDENT

HUMBOLDT-ST. VINCENT
INDEP SCH DISTRICT 0352
BOX 54
HUMBOLDT MINN
56731

SUPERINTENDENT

KARLSTAD
INDEP SCH DISTRICT 0353
BOX 178
KARLSTAD MINN
56732

SUPERINTENDENT

KENNEDY
INDEP SCH DISTRICT 0354
BOX 127
KENNEDY MINN
56733

SUPERINTENDENT

LANCASTER
INDEP SCH DISTRICT 0356
BOX 217
LANCASTER MINN
56735

SUPERINTENDENT

INTERNATIONAL FALLS
INDEP SCH DISTRICT 0361
4TH ST. & 6TH AVE.
INTERNATIONAL FALLS MINN
56649

SUPERINTENDENT

LITTLEFORK-BIG FALLS
INDEP SCH DISTRICT 0362
BOX D
LITTLEFORK MINN
56653

SUPERINTENDENT

SOUTH KOOCHICHING
INDEP SCH DISTRICT 0363
BOX 465
NORTHOME MINN
56661

SUPERINTENDENT

BELLINGHAM
INDEP SCH DISTRICT 0371
BOX 367
BELLINGHAM MINN
56212

SUPERINTENDENT

MARIETTA
INDEP SCH DISTRICT 0376

MARIETTA MINN
56257

SUPERINTENDENT

MADISON
INDEP SCH DISTRICT 0377
316 4TH ST.
MADISON MINN
56256

SUPERINTENDENT

DAWSON-BOYD
INDEP SCH DISTRICT 0378
BOX S
DAWSON MINN
56232

SUPERINTENDENT

LAKE SUPERIOR
INDEP SCH DISTRICT 0381
405 4TH AVE.
TWO HARBORS MINN
55616

SUPERINTENDENT

LAKE OF THE WOODS
INDEP SCH DISTRICT 0390
BOX 310
BAUDETTE MINN
56623

SUPERINTENDENT

CLEVELAND
INDEP SCH DISTRICT 0391

CLEVELAND MINN
56017

SUPERINTENDENT

LE CENTER
INDEP SCH DISTRICT 0392
150 W. TYRONE ST.
LE CENTER MINN
56057

SUPERINTENDENT

LE SUEUR
INDEP SCH DISTRICT 0393
901 E. FERRY ST.
LE SUEUR MINN
56058

SUPERINTENDENT

MONTGOMERY-LONSDALE
INDEP SCH DISTRICT 0394
101 2ND ST. NE.
MONTGOMERY MINN
56069

SUPERINTENDENT

WATERVILLE-ELYSIAN
INDEP SCH DISTRICT 0395
500 E. PAQUIN ST.
WATERVILLE MINN
56096

SUPERINTENDENT

HENDRICKS
INDEP SCH DISTRICT 0402
200 E. LINCOLN
HENDRICKS MINN
56136

SUPERINTENDENT

IVANHOE
INDEP SCH DISTRICT 0403
BOX 9
IVANHOE MINN
56142

SUPERINTENDENT

LAKE BENTON
INDEP SCH DISTRICT 0404
101 GARFIELD ST.
LAKE BENTON MINN
56149

SUPERINTENDENT

VERDI
INDEP SCH DISTRICT 0408
BOX 7-A
VERDI MINN
56179

SUPERINTENDENT

TYLER
INDEP SCH DISTRICT 0409
STRONG ST.
TYLER MINN
56178

SUPERINTENDENT

BALATON
INDEP SCH DISTRICT 0411
330 THIRD ST.
BALATON MINN
56115

SUPERINTENDENT

COTTONWOOD
INDEP SCH DISTRICT 0412
BOX 107
COTTONWOOD MINN
56229

SUPERINTENDENT

MARSHALL
INDEP SCH DISTRICT 0413
401 S. SARATOGA ST.
MARSHALL MINN
56258

UPERINTENDENT

INNEOTA
NDEP SCH DISTRICT 0414
04 N. MONROE ST.
INNEOTA MINN
6264

UPERINTENDENT

. WEST & W. CENTRAL ECS
NDEP SCH DISTRICT 0991
W STATE UNIVERSITY
ARSHALL MINN
6258

UPERINTENDENT

ESTER PRAIRIE
NDEP SCH DISTRICT 0424
ICKORY AVE. & 2ND ST. N
ESTER PRAIRIE MINN
5354

UPERINTENDENT

AHNOMEN
NDEP SCH DISTRICT 0432
OX 319
AHNOMEN MINN
6557

UPERINTENDENT

IDDLE RIVER
NDEP SCH DISTRICT 0440
OX 130
IDDLE RIVER MINN
56[redacted]

UPERINTENDENT

STRANDQUIST
INDEP SCH DISTRICT 0444
BOX 6
STRANDQUIST MINN
56758

UPERINTENDENT

EAST CHAIN
INDEP SCH DISTRICT 0453
ROUTE 1
BLUE EARTH MINN
56013

SUPERINTENDENT

LYND
INDEP SCH DISTRICT 0415
BOX 68
LYND MINN
56157

SUPERINTENDENT

BROWNTON
INDEP SCH DISTRICT 0421
BOX 338
BROWNTON MINN
55312

SUPERINTENDENT

SILVER LAKE
INDEP SCH DISTRICT 0425
SILVER LAKE MINN
55381

SUPERINTENDENT

WAUBUN
INDEP SCH DISTRICT 0435
BOX 98
WAUBUN MINN
56589

SUPERINTENDENT

NEWFOLDEN
INDEP SCH DISTRICT 0441
BOX 277
NEWFOLDEN MINN
56738

SUPERINTENDENT

WARREN
INDEP SCH DISTRICT 0446
224 E. BRIDGE ST.
WARREN MINN
56762

SUPERINTENDENT

FAIRMONT
INDEP SCH DISTRICT 0454
115 S. PARK ST.
FAIRMONT MINN
56031

SUPERINTENDENT

TRACY
INDEP SCH DISTRICT 0417
934 PINE ST.
TRACY MINN
56175

SUPERINTENDENT

GLENCOE
INDEP SCH DISTRICT 0422
16TH ST. & PRYOR
GLENCOE MINN
55336

SUPERINTENDENT

STEWART
INDEP SCH DISTRICT 0426
STEWART MINN
55385

SUPERINTENDENT

ALVARADO
INDEP SCH DISTRICT 0436
BOX 816
ALVARADO MINN
56710

SUPERINTENDENT

OSLO
INDEP SCH DISTRICT 0442
OSLO MINN
56744

SUPERINTENDENT

GRYGLA-GATZKE
INDEP SCH DISTRICT 0447
BOX 18
GRYGLA MINN
56727

SUPERINTENDENT

SHERBURN
INDEP SCH DISTRICT 0456
16 W. 5TH ST.
SHERBURN MINN
56171

SUPERINTENDENT

RUSSELL
INDEP SCH DISTRICT 0418
RUSSELL MINN
56169

SUPERINTENDENT

HUTCHINSON
INDEP SCH DISTRICT 0423
30 GLEN ST. N.
HUTCHINSON MINN
55350

SUPERINTENDENT

WINSTED
INDEP SCH DISTRICT 0427
431 4TH ST. N.
WINSTED MINN
55395

SUPERINTENDENT

ARGYLE
INDEP SCH DISTRICT 0437
BOX 279
ARGYLE MINN
56713

SUPERINTENDENT

STEPHEN
INDEP SCH DISTRICT 0443
BOX 68
STEPHEN MINN
56757

SUPERINTENDENT

CEYLON
INDEP SCH DISTRICT 0451
BOX 368
CEYLON MINN
56121

SUPERINTENDENT

TRIMONT
INDEP SCH DISTRICT 0457
BOX N
TRIMONT MINN
56176

SUPERINTENDENT

TRUMAN
INDEP SCH DISTRICT 0458
BOX 276
TRUMAN MINN
56088

SUPERINTENDENT

EDEN VALLEY-WATKINS
INDEP SCH DISTRICT 0463
BOX 47
EDEN VALLEY MINN
55329

SUPERINTENDENT

ISLE
INDEP SCH DISTRICT 0473
BOX 25
ISLE MINN
56342

SUPERINTENDENT

LITTLE FALLS
INDEP SCH DISTRICT 0482
109 NE. 2ND AVE.
LITTLE FALLS MINN
56345

SUPERINTENDENT

SWANVILLE
INDEP SCH DISTRICT 0486
BOX 98
SWANVILLE MINN
56382

SUPERINTENDENT

LYLE
INDEP SCH DISTRICT 0497
BOX 38
LYLE MINN
55953

SUPERINTENDENT

FULDA
INDEP SCH DISTRICT 0505

FULDA MINN
56131

SUPERINTENDENT

WELCOME
INDEP SCH DISTRICT 0459

WELCOME MINN
56181

SUPERINTENDENT

GROVE CITY
INDEP SCH DISTRICT 0464
BOX 278
GROVE CITY MINN
56243

SUPERINTENDENT

PRINCETON
INDEP SCH DISTRICT 0477
606 S. 3RD ST.
PRINCETON MINN
55371

SUPERINTENDENT

MOTLEY
INDEP SCH DISTRICT 0483
BOX 268
MOTLEY MINN
56466

SUPERINTENDENT

UPSALA
INDEP SCH DISTRICT 0487

UPSALA MINN
56384

SUPERINTENDENT

LE ROY-OSTRANDER
INDEP SCH DISTRICT 0499
BOX N
LE ROY MINN
55951

SUPERINTENDENT

CHANDLER-LAKE WILSON
INDEP SCH DISTRICT 0918

CHANDLER MINN
56122

SUPERINTENDENT

GRANADA-HUNTLEY
INDEP SCH DISTRICT 0460
BOX 17
GRANADA MINN
56039

SUPERINTENDENT

LITCHFIELD
INDEP SCH DISTRICT 0465
901 GILMAN AVE. N.
LITCHFIELD MINN
55355

SUPERINTENDENT

ONAMIA
INDEP SCH DISTRICT 0480
BOX B
ONAMIA MINN
56359

SUPERINTENDENT

PIERZ
INDEP SCH DISTRICT 0484

PIERZ MINN
56364

SUPERINTENDENT

AUSTIN
INDEP SCH DISTRICT 0492
202 4TH AVE. NE.
AUSTIN MINN
55912

SUPERINTENDENT

SOUTHLAND
INDEP SCH DISTRICT 0500

ADAMS MINN
55909

SUPERINTENDENT

NICOLLET
INDEP SCH DISTRICT 0507
BOX 108
NICOLLET MINN
56074

SUPERINTENDENT

COSMOS
INDEP SCH DISTRICT 0461
320 N. SATURN ST.
COSMOS MINN
56228

SUPERINTENDENT

DASSEL-COKATO
INDEP SCH DISTRICT 0466
HWY. 12 & WRIGHT CO. 100
COKATO MINN
55321

SUPERINTENDENT

MILACA
INDEP SCH DISTRICT 0912
500 SW. 4TH ST.
MILACA MINN
56353

SUPERINTENDENT

ROYALTON
INDEP SCH DISTRICT 0485
BOX 5
ROYALTON MINN
56373

SUPERINTENDENT

GRAND MEADOW
INDEP SCH DISTRICT 0495
BOX 68
GRAND MEADOW MINN
55936

SUPERINTENDENT

SLAYTON
INDEP SCH DISTRICT 0504
2420 28TH ST.
SLAYTON MINN
56172

SUPERINTENDENT

ST. PETER
INDEP SCH DISTRICT 0508
LINCOLN DRIVE
ST. PETER MINN
56082

UPERINTENDENT

ORIAN
NDEP SCH DISTRICT 0511
OX 40
ORIAN MINN
6110

UPERINTENDENT

ORTHINGTON
NDEP SCH DISTRICT 0518
OX C
URTHINGTON MINN
6187

UP[redacted]INTENDENT

ALSTAD
NDEP SCH DISTRICT 0524
ALSTAD MINN
6548

UPERINTENDENT

YRON
NDEP SCH DISTRICT 0531
UX 157
YRON MINN
5920

UPERINTENDENT

OUTHEAST ECSU
NDEP SCH DISTRICT 0921
930 BANDEL ROAD
OC STER MINN
59[redacted]

UPERINTENDENT

ENNING
NDEP SCH DISTRICT 0545
UX 15
ENNING MINN
6551

UPERINTENDENT

NDERWOOD
NDEP SCH DISTRICT 0550
NDERWOOD MINN
6586

SUPERINTENDENT

BREWSTER
INDEP SCH DISTRICT 0513
BOX 309
BREWSTER MINN
56119

SUPERINTENDENT

ADA
INDEP SCH DISTRICT 0521
105 E. 4TH AVE.
ADA MINN
56510

SUPERINTENDENT

HENDRUM-PERLEY
INDEP SCH DISTRICT 0525
BOX 328
HALSTAD MINN
56548

SUPERINTENDENT

DOVER-EYOTA
INDEP SCH DISTRICT 0533
BOX 268
EYOTA MINN
55934

SUPERINTENDENT

BATTLE LAKE
INDEP SCH DISTRICT 0542
BATTLE LAKE MINN
56515

SUPERINTENDENT

PARKERS PRAIRIE
INDEP SCH DISTRICT 0547
BOX 46
PARKERS PRAIRIE MINN
56361

SUPERINTENDENT

NEW YORK MILLS
INDEP SCH DISTRICT 0553
BOX 218
NEW YORK MILLS MINN
56567

SUPERINTENDENT

ELLSWORTH
INDEP SCH DISTRICT 0514
BOX 8
ELLSWORTH MINN
56129

SUPERINTENDENT

BORUP
INDEP SCH DISTRICT 0522
BORUP MINN
56519

SUPERINTENDENT

TWIN VALLEY
INDEP SCH DISTRICT 0526
TWIN VALLEY MINN
56584

SUPERINTENDENT

STEWARTVILLE
INDEP SCH DISTRICT 0534
500 SW. 4TH ST.
STEWARTVILLE MINN
55976

SUPERINTENDENT

DEER CREEK
INDEP SCH DISTRICT 0543
BOX 235
DEER CREEK MINN
56527

SUPERINTENDENT

PELICAN RAPIDS
INDEP SCH DISTRICT 0548
BOX V
PELICAN RAPIDS MINN
56572

SUPERINTENDENT

WEST CENTRAL ECSU
INDEP SCH DISTRICT 0926
205 E LINCOLN AVE
FERGUS FALLS MINN
56537

SUPERINTENDENT

ROUND LAKE
INDEP SCH DISTRICT 0516
ROUND LAKE MINN
56167

SUPERINTENDENT

GARY
INDEP SCH DISTRICT 0523
BOX 47
GARY MINN
56545

SUPERINTENDENT

CHATFIELD
INDEP SCH DISTRICT 0227
CHATFIELD MINN
55923

SUPERINTENDENT

ROCHESTER
INDEP SCH DISTRICT 0535
EDISON BLDG. 615 SW. 7TH
ROCHESTER MINN
55901

SUPERINTENDENT

FERGUS FALLS
INDEP SCH DISTRICT 0544
600 FRIBERG AVE.
FERGUS FALLS MINN
56537

SUPERINTENDENT

PERHAM
INDEP SCH DISTRICT 0549
200 5TH ST. SE.
PERHAM MINN
56573

SUPERINTENDENT

GOODRIDGE
INDEP SCH DISTRICT 0561
BOX 195
GOODRIDGE MINN
56725

SUPERINTENDENT

THIEF RIVER FALLS
INDEP SCH DISTRICT 0564
BOX 160
THIEF RIVER FALLS MINN
56701

SUPERINTENDENT

HINCKLEY
INDEP SCH DISTRICT 0573
BOX 308
HINCKLEY MINN
55037

SUPERINTENDENT

EDGERTON
INDEP SCH DISTRICT 0581
BOX 307
EDGERTON MINN
56128

SUPERINTENDENT

CLIMAX
INDEP SCH DISTRICT 0592
BOX 45
CLIMAX MINN
56523

SUPERINTENDENT

FERTILE-BELTRAMI
INDEP SCH DISTRICT 0599
FERTILE MINN
56540

SUPERINTENDENT

MENTOR
INDEP SCH DISTRICT 0604
MENTOR MINN
56736

SUPERINTENDENT

VILLARD
INDEP SCH DISTRICT 0615
BOX 66
VILLARD MINN
56385

SUPERINTENDENT

NORTHWEST ECSU
INDEP SCH DISTRICT 0928
BOX 390
THIEF RIVER FALLS MINN
56701

SUPERINTENDENT

SANDSTONE
INDEP SCH DISTRICT 0576
SANDSTONE MINN
55072

SUPERINTENDENT

JASPER
INDEP SCH DISTRICT 0582
JASPER MINN
56144

SUPERINTENDENT

CROOKSTON
INDEP SCH DISTRICT 0593
BOX 602
CROOKSTON MINN
56716

SUPERINTENDENT

FISHER
INDEP SCH DISTRICT 0600
BOX 37
FISHER MINN
56723

SUPERINTENDENT

CYRUS
INDEP SCH DISTRICT 0611
BOX 39
CYRUS MINN
56323

SUPERINTENDENT

OKLEE
INDEP SCH DISTRICT 0627
OKLEE MINN
56742

SUPERINTENDENT

ASKOV
INDEP SCH DISTRICT 0566
ASKOV MINN
55704

SUPERINTENDENT

WILLOW RIVER
INDEP SCH DISTRICT 0577
BOX 66
WILLOW RIVER MINN
55795

SUPERINTENDENT

PIPESTONE
INDEP SCH DISTRICT 0583
BOX 71
PIPESTONE MINN
56164

SUPERINTENDENT

EAST GRAND FORKS
INDEP SCH DISTRICT 0595
BOX 151
EAST GRAND FORKS MINN
56721

SUPERINTENDENT

FOSSTON
INDEP SCH DISTRICT 0601
FOSSTON MINN
56542

SUPERINTENDENT

GLENWOOD
INDEP SCH DISTRICT 0612
NE. 2ND AVE.
GLENWOOD MINN
56334

SUPERINTENDENT

PLUMMER
INDEP SCH DISTRICT 0628
PLUMMER MINN
56748

SUPERINTENDENT

FINLAYSON
INDEP SCH DISTRICT 0570
FINLAYSON MINN
55735

SUPERINTENDENT

PINE CITY
INDEP SCH DISTRICT 0578
605 6TH ST.
PINE CITY MINN
55063

SUPERINTENDENT

RUTHTON
INDEP SCH DISTRICT 0584
BOX 8
RUTHTON MINN
56170

SUPERINTENDENT

ERSKINE
INDEP SCH DISTRICT 0597
BOX 209
ERSKINE MINN
56535

SUPERINTENDENT

MC INTOSH
INDEP SCH DISTRICT 0603
MC INTOSH MINN
56556

SUPERINTENDENT

STARBUCK
INDEP SCH DISTRICT 0614
STARBUCK MINN
56381

SUPERINTENDENT

RED LAKE FALLS
INDEP SCH DISTRICT 0630
BOX 367
RED LAKE FALLS MINN
56750

SUPERINTENDENT

ELVIEW
INDEP SCH DISTRICT 0631
BOX 8
ELVIEW MINN
56214

SUPERINTENDENT

REDWOOD FALLS
INDEP SCH DISTRICT 0637
4TH & LINCOLN
REDWOOD FALLS MINN
56283

SUPERINTENDENT

BIRD ISLAND
INDEP SCH DISTRICT 0646
110 S. 9TH ST.
BIRD ISLAND MINN
55310

SUPERINTENDENT

FRANKLIN
INDEP SCH DISTRICT 0650
BOX 38
FRANKLIN MINN
55333

SUPERINTENDENT

RENVILLE
INDEP SCH DISTRICT 0654
BOX 338
RENVILLE MINN
56284

SUPERINTENDENT

NORTHFIELD
INDEP SCH DISTRICT 0659
301 UNION ST.
NORTHFIELD MINN
55057

SUPERINTENDENT

BADGER
INDEP SCH DISTRICT 0676
BOX 68
BADGER MINN
56714

SUPERINTENDENT

LAMBERTON
INDEP SCH DISTRICT 0633
BOX 278
LAMBERTON MINN
56152

SUPERINTENDENT

SANBORN
INDEP SCH DISTRICT 0638

SANBORN MINN
56083

SUPERINTENDENT

BUFFALO LAKE
INDEP SCH DISTRICT 0647
BOX 278
BUFFALO LAKE MINN
55314

SUPERINTENDENT

HECTOR
INDEP SCH DISTRICT 0651
220 THIRD ST. W.
HECTOR MINN
55342

SUPERINTENDENT

SACRED HEART
INDEP SCH DISTRICT 0655
BOX 10
SACRED HEART MINN
56285

SUPERINTENDENT

MAGNOLIA
INDEP SCH DISTRICT 0669

MAGNOLIA MINN
56158

SUPERINTENDENT

GREENBUSH
INDEP SCH DISTRICT 0678
BOX 70
GREENBUSH MINN
56726

SUPERINTENDENT

MILROY
INDEP SCH DISTRICT 0635
BOX 10
MILROY MINN
56263

SUPERINTENDENT

WABASSO
INDEP SCH DISTRICT 0640
1333 MAY ST.
WABASSO MINN
56293

SUPERINTENDENT

DANUBE
INDEP SCH DISTRICT 0648
BOX 157
DANUBE MINN
56230

SUPERINTENDENT

MORTON
INDEP SCH DISTRICT 0652
BOX 68
MORTON MINN
56270

SUPERINTENDENT

FARIBAULT
INDEP SCH DISTRICT 0656
2855 NW. 1ST AVE.
FARIBAULT MINN
55021

SUPERINTENDENT

LUVERNE
INDEP SCH DISTRICT 0670
BOX 278
LUVERNE MINN
56156

SUPERINTENDENT

ROSEAU
INDEP SCH DISTRICT 0682
509 3RD ST. NE.
ROSEAU MINN
56751

SUPERINTENDENT

MORGAN
INDEP SCH DISTRICT 0636
BOX 188
MORGAN MINN
56266

SUPERINTENDENT

WALNUT GROVE
INDEP SCH DISTRICT 0641

WALNUT GROVE MINN
56180

SUPERINTENDENT

FAIRFAX
INDEP SCH DISTRICT 0649
300 SE. 2ND ST., BOX 489
FAIRFAX MINN
55332

SUPERINTENDENT

OLIVIA
INDEP SCH DISTRICT 0653
709 S. 9TH ST.
OLIVIA MINN
56277

SUPERINTENDENT

MORRISTOWN
INDEP SCH DISTRICT 0657
BOX 278
MORRISTOWN MINN
55052

SUPERINTENDENT

HILLS-BEAVER CREEK
INDEP SCH DISTRICT 0671
BOX 547
HILLS MINN
56138

SUPERINTENDENT

WARROAD
INDEP SCH DISTRICT 0690
BOX 130
WARROAD MINN
56763

SUPERINTENDENT

BELLE PLAINE
INDEP SCH DISTRICT 0716
220 S. MARKET ST.
BELLE PLAINE MINN
56011

SUPERINTENDENT

NEW PRAGUE
INDEP SCH DISTRICT 0721
721 CENTRAL AVE. N.
NEW PRAGUE MINN
[redacted]71

SUPERINTENDENT

ARLINGTON
INDEP SCH DISTRICT 0731
BOX 1000
ARLINGTON MINN
55307

SUPERINTENDENT

WINTHROP
INDEP SCH DISTRICT 0735
N. COTTONWOOD ST.
WINTHROP MINN
55396

SUPERINTENDENT

KIMBALL
INDEP SCH DISTRICT 0739
[redacted] 368
KIMBALL MINN
55353

SUPERINTENDENT

SAUK CENTRE
INDEP SCH DISTRICT 0743
9TH & STATE ROAD
SAUK CENTRE MINN
56378

SUPERINTENDENT

CENTRAL ECSU
INDEP SCH DISTRICT 0923
RM A-127 EDU BLDG-UNIV.
ST. CLOUD MINN
56301

SUPERINTENDENT

JORDAN
INDEP SCH DISTRICT 0717
500 SUNSET DRIVE
JORDAN MINN
55352

SUPERINTENDENT

BECKER
INDEP SCH DISTRICT 0726
BOX 188
BECKER MINN
55308

SUPERINTENDENT

GAYLORD
INDEP SCH DISTRICT 0732
500 COURT AVE.
GAYLORD MINN
55334

SUPERINTENDENT

BELGRADE
INDEP SCH DISTRICT 0736

BELGRADE MINN
56312

SUPERINTENDENT

MELROSE
INDEP SCH DISTRICT 0740
546 N. 5TH AVE. E.
MELROSE MINN
56352

SUPERINTENDENT

ALBANY
INDEP SCH DISTRICT 0745
140 3RD ST.
ALBANY MINN
56307

SUPERINTENDENT

BLOOMING PRAIRIE
INDEP SCH DISTRICT 0756
202 4TH AVE. NW.
BLOOMING PRAIRIE MINN
55917

SUPERINTENDENT

PRIOR LAKE
INDEP SCH DISTRICT 0719
BOX 539
PRIOR LAKE MINN
55372

SUPERINTENDENT

BIG LAKE
INDEP SCH DISTRICT 0727

BIG LAKE MINN
55309

SUPERINTENDENT

GIBBON
INDEP SCH DISTRICT 0733
323 E. 11TH ST.
GIBBON MINN
55335

SUPERINTENDENT

BROOTEN
INDEP SCH DISTRICT 0737
BOX 38
BROOTEN MINN
56316

SUPERINTENDENT

PAYNESVILLE
INDEP SCH DISTRICT 0741
HIGHWAY 23 WEST
PAYNESVILLE MINN
56362

SUPERINTENDENT

SARTELL
INDEP SCH DISTRICT 0748
BOX 328
SARTELL MINN
56377

SUPERINTENDENT

OWATONNA
INDEP SCH DISTRICT 0761
515 WEST BRIDGE
OWATONNA MINN
55060

SUPERINTENDENT

SHAKOPEE
INDEP SCH DISTRICT 0720
505 S. HOLMES
SHAKOPEE MINN
55379

SUPERINTENDENT

ELK RIVER
INDEP SCH DISTRICT 0728
400 SCHOOL ST.
ELK RIVER MINN
55330

SUPERINTENDENT

HENDERSON
INDEP SCH DISTRICT 0734
107 8TH ST.
HENDERSON MINN
56044

SUPERINTENDENT

HOLDINGFORD
INDEP SCH DISTRICT 0738
BOX 496
HOLDINGFORD MINN
56340

SUPERINTENDENT

ST. CLOUD
INDEP SCH DISTRICT 0742
628 ROOSEVELT ROAD
ST. CLOUD MINN
56301

SUPERINTENDENT

COLD SPRING
INDEP SCH DISTRICT 0750
ROCORI HIGH SCHOOL
COLD SPRING MINN
56320

SUPERINTENDENT

ELLENDALE-GENEVA
INDEP SCH DISTRICT 0762
BOX 428
ELLENDALE MINN
56026

JPERINTENDENT

EDFORD
NDEP SCH DISTRICT 0763
DX 38
EDFORD MINN
5049

JPERINTENDENT

ERKHOVEN-MURDOCK
NDEP SCH DISTRICT 0775

ERKHOVEN MINN
62

UPERINTENDENT

ROWERVILLE
NDEP SCH DISTRICT 0787
OX 185
ROWERVILLE MINN
6438

UPERINTENDENT

ONG PRAIRIE
NDEP SCH DISTRICT 0792
05 SECOND ST. S.
ONG PRAIRIE MINN
6347

UPERINTENDENT

HEATON
NDEP SCH DISTRICT 0803
70 3RD AVE. S.
HEATON MINN
6296

UPERINTENDENT

ABASHA
NDEP SCH DISTRICT 0811
11 BROADWAY AVE.
ABASHA MINN
5981

UPERINTENDENT

EBEKA
NDEP SCH DISTRICT 0820

EBEKA MINN
6477

SUPERINTENDENT

HANCOCK
INDEP SCH DISTRICT 0768
BOX 367
HANCOCK MINN
56244

SUPERINTENDENT

BENSON
INDEP SCH DISTRICT 0777
1400 MONTANA AVE.
BENSON MINN
56215

SUPERINTENDENT

CLARISSA
INDEP SCH DISTRICT 0789

CLARISSA MINN
56440

SUPERINTENDENT

STAPLES
INDEP SCH DISTRICT 0793
3RD ST.
STAPLES MINN
56479

SUPERINTENDENT

ELGIN-MILLVILLE
INDEP SCH DISTRICT 0806
1ST STREET SE.
ELGIN MINN
55932

SUPERINTENDENT

LAKE CITY
INDEP SCH DISTRICT 0813

LAKE CITY MINN
55041

SUPERINTENDENT

MENAHGA
INDEP SCH DISTRICT 0821
BOX 160
MENAHGA MINN
56464

SUPERINTENDENT

MORRIS
INDEP SCH DISTRICT 0769
201 S. COLUMBIA
MORRIS MINN
56267

SUPERINTENDENT

APPLETON
INDEP SCH DISTRICT 0784
128 S. HERING
APPLETON MINN
56208

SUPERINTENDENT

EAGLE BEND
INDEP SCH DISTRICT 0790
BOX K
EAGLE BEND MINN
56446

SUPERINTENDENT

NORTH CENTRAL ECSU
INDEP SCH DISTRICT 0924
BOX 15, CHICAGO & 5TH AV
STAPLES MINN
56479

SUPERINTENDENT

MAZEPPA
INDEP SCH DISTRICT 0809
BOX 100
MAZEPPA MINN
55956

SUPERINTENDENT

VERNDALE
INDEP SCH DISTRICT 0818
BOX G
VERNDALE MINN
56481

SUPERINTENDENT

NEW RICHLAND-HARTLAND
INDEP SCH DISTRICT 0827
BOX 427
NEW RICHLAND MINN
56072

SUPERINTENDENT

CHOKIO-ALBERTA
INDEP SCH DISTRICT 0771
BOX 87
CHOKIO MINN
56221

SUPERINTENDENT

BERTHA-HEWITT
INDEP SCH DISTRICT 0786

BERTHA MINN
56437

SUPERINTENDENT

GREY EAGLE
INDEP SCH DISTRICT 0791

GREY EAGLE MINN
56336

SUPERINTENDENT

BROWNS VALLEY
INDEP SCH DISTRICT 0801
BOX N
BROWNS VALLEY MINN
56219

SUPERINTENDENT

PLAINVIEW
INDEP SCH DISTRICT 0810
500 W. BROADWAY
PLAINVIEW MINN
55964

SUPERINTENDENT

WADENA
INDEP SCH DISTRICT 0819
BOX 151
WADENA MINN
56482

SUPERINTENDENT

WASECA
INDEP SCH DISTRICT 0829
501 E. ELM AVE.
WASECA MINN
56093

SUPERINTENDENT

JANESVILLE
INDEP SCH DISTRICT 0830
110 E. 3RD ST.
JANESVILLE MINN
56048

SUPERINTENDENT

SOUTH WASHINGTON COUNTY
INDEP SCH DISTRICT 0833
8040 80TH ST. S.
COTTAGE GROVE MINN
55016

SUPERINTENDENT

MADELIA
INDEP SCH DISTRICT 0837
320 BUCK AVE. SE.
MADELIA MINN
56062

SUPERINTENDENT

CAMPBELL-TINTAH
INDEP SCH DISTRICT 0852
BOX 8
CAMPBELL MINN
56522

SUPERINTENDENT

ANNANDALE
INDEP SCH DISTRICT 0876
BOX 190
ANNANDALE MINN
55302

SUPERINTENDENT

MAPLE LAKE
INDEP SCH DISTRICT 0881
133 MOLAND AVE.
MAPLE LAKE MINN
55358

SUPERINTENDENT

CANBY
INDEP SCH DISTRICT 0891
307 1ST ST. W.
CANBY MINN
56220

SUPERINTENDENT

WOOD LAKE
INDEP SCH DISTRICT 0896

WOOD LAKE MINN
56297

SUPERINTENDENT

WALDORF-PEMBERTON
INDEP SCH DISTRICT 0913

WALDORF MINN
56091

SUPERINTENDENT

STILLWATER
INDEP SCH DISTRICT 0834
6225 OASIS AVE. N.
STILLWATER MINN
55082

SUPERINTENDENT

ST. JAMES
INDEP SCH DISTRICT 0840
10TH AVE. N.
ST. JAMES MINN
56081

SUPERINTENDENT

LEWISTON
INDEP SCH DISTRICT 0857

LEWISTON MINN
55952

SUPERINTENDENT

BUFFALO
INDEP SCH DISTRICT 0877
214 NE. FIRST AVE.
BUFFALO MINN
55313

SUPERINTENDENT

MONTICELLO
INDEP SCH DISTRICT 0882
BOX 897
MONTICELLO MINN
55362

SUPERINTENDENT

CLARKFIELD
INDEP SCH DISTRICT 0892

CLARKFIELD MINN
56223

SUPERINTENDENT

FOREST LAKE
INDEP SCH DISTRICT 0831
308 SW. 15TH ST.
FOREST LAKE MINN
55025

SUPERINTENDENT

NE. METROPOLITAN AVTI
INDEP SCH DISTRICT 0916
3300 CENTURY AVE. N
WHITE BEAR LAKE MINN
55110

SUPERINTENDENT

BRECKENRIDGE
INDEP SCH DISTRICT 0846
13TH ST. & DOUGLAS AVE.
BRECKENRIDGE MINN
56520

SUPERINTENDENT

ST. CHARLES
INDEP SCH DISTRICT 0858
HIGHWAY 14 EAST
ST. CHARLES MINN
55972

SUPERINTENDENT

DELANO
INDEP SCH DISTRICT 0879

DELANO MINN
55328

SUPERINTENDENT

ROCKFORD
INDEP SCH DISTRICT 0883
BOX 9
ROCKFORD MINN
55373

SUPERINTENDENT

ECHO
INDEP SCH DISTRICT 0893
BOX 246
ECHO MINN
56237

SUPERINTENDENT

MAHTOMEDI
INDEP SCH DISTRICT 0832
814 MAHTOMEDI AVE.
MAHTOMEDI MINN
55115

SUPERINTENDENT

BUTTERFIELD
INDEP SCH DISTRICT 0836
BOX 189
BUTTERFIELD MINN
56120

SUPERINTENDENT

ROTHSAY
INDEP SCH DISTRICT 0850
BOX 247
ROTHSAY MINN
56579

SUPERINTENDENT

WINONA
INDEP SCH DISTRICT 0861
166 W. BROADWAY
WINONA MINN
55987

SUPERINTENDENT

HOWARD LAKE-WAVERLY
INDEP SCH DISTRICT 0880
BOX 408
HOWARD LAKE MINN
55349

SUPERINTENDENT

ST. MICHAEL-ALBERTVILLE
INDEP SCH DISTRICT 0885

ST. MICHAEL MINN
55376

SUPERINTENDENT

GRANITE FALLS
INDEP SCH DISTRICT 0894
450 9TH AVE.
GRANITE FALLS MINN
56241

WM. LUNDELL, DIR
MPLS VOC CENTER 001
807 NE BROADWAY
MPLS, MN 55413

GERRIE DRIESSEN, DIR
ANOKA VOC CENTER 011
11299 HANSON BLVD NW
COON RAPIDS, MN 55433

JOHN LOBBEN, DIR
HENN TECH CENTERS 287
1820 N. XENIUM LANE
PLYMOUTH, MN 55441

KATHLEEN STUART, DIR
ST PAUL VOC CENTER 625
360 COLBORNE ST
ST PAUL, MN 55102

DAN HALLAND, DIR
CENTRAL STEARNS VOC 661
RECORI SR. HIGH
COLD SPRING, MN 56320

DONALD OLSON, DIR
DULUTH VOC CENTER 709
1217 RICE LAKE RD
DULUTH, MN 55811

ILENE OLSON, DIR
CHISAGO CO VOC CNTR 863
NORTH BRANCH MDL SCH
NORTH BRANCH MN 55056

AL FLETCHER, DIR.
VOCATIONAL CENTER
3300 CENTURY AVE.NO.
WHITE BEAR LK MN 55110

KAREN O'BRIEN, DIR.
DAKOTA CO VOC CENTER 917
1300 E. 145TH ST
ROSEMOUNT MN 55068

WM. KALMER, DIR
NORTH COUNTRY VOC 919
ROOSEVELT & GRANT AV
BEMIDJI, MN 56601

JIM HINCK, DIR
CARVER SCOTT VOC CNT 930
401 E 4TH ST
CHASKA, MN 55318

DENNIS MODEC, DIR
NORTHERN CARLTON VOC 931
1000 18TH ST
CLOQUET, MN 55720

DAVID FREIBORG, DIR
HIGHLAND VOC CENTER 942
237 WILLOW ST.
TYLER, MN 56178

WM BEIMERS, DIR
BLUE MOUND VOC CNTR 943
109 S. FREEMAN
LUVERNE, MN 56156

LYNN STEENBLOCK, DIR
NISWI-NAYAWSHING VOC 944
S 13TH & WILLIAM AVE
MONTEVIDEO MN 56265

EMERY KRECH, DIR
VIKING VOC CNTR 945
BOX 25
HANSKA, MN 56041

RONALD RUBADO, DIR
TRI-COUNTY VOC CNTR 946
BOX 657
GRAND RAPIDS MN 55744

ROBERT BOLLESEN, DIR
MILLE LACS VOC CNTR 947
RT.3 BOX 6A
MILACA, MN 56353

MARCIA LINSSEN, DIR
PRAIRIE LAKES VOC 948
2011 NOBLES ST.
WORTHINGTON MN 56187

JOHN OSBORNE, DIR
EAST CENTRAL VOC CNT 950
BOX 102
SANDSTONE, MN 55072

JAMES HOFER, WOODLAND-
HEARTLAND VOC CTRS 952
STAR RT: CHICAGO AVE 982
STAPLES, MN 56479

JEANETTE MEIER, DIR
SOUTHERN POLAR VOC 955
BOX 227
BARNUM, MN 55707

RAYMOND COLVIN, DIR
INTERDISTRICT VOC 956
N HIGHWAY 22
ST PETER, MN 56082

STEPHEN BOYLE, DIR
OAK LAND VOC CENTER 957
430 NW 8TH AVE
CAMBRIDGE, MN 55008

ROBERT HALLER, DIR
NORTHERN LITES VOC 958
PO BOX 217
LANCASTER, MN 56735

ROGER LINDROOS, DIR
LEAF RVR VALLEY VOC 961
PO BOX 644
WADENA, MN 56482

LAVERN BRAATEN, DIR
EAST RANGE VOC CNTR 963
6TH AVE, TECH BLDG
VIRGINIA, MN 55792

EMERY KRECH, DIR
COTTONWOOD RVR VOC 964
RR 2, BOX 83AA
SPRINGFIELD MN 56087

GERALD FOLSTROM, DIR
CLAY CO VOC CENTER 965
1 ST & 10TH AVE N
MOORHEAD, MN 56560

ROGER JOHNSON, DIR
WRIGHT VOC CENTER 966
HIGHWAY 25
BUFFALO, MN 55313

RICHARD KUBALL, DIR
SOUTHERN MINN VOC 967
125 S BROADWAY-PO 189
WELLS, MN 56097

CARL MONTZKA, DIR
SOUTH CENTRAL VOC 969
304 NORTH MAIN ST
BLUE EARTH, MN 56013

DAVID CZECH, DIR
SIBLEY CO VOC CNTR 970
BOX 868
ARLINGTON, MN 55307

ELLSWORTH HOLM, DIR
RUNESTONE VOC CNTR 971
2910 S. BROADWAY
ALEXANDRIA, MN 56308

THOMAS MOORE, DIR
RUM RIVER VOC CNTR 972
125 FOREST AVE W.
MORA, MN 55051

RODNEY HAGEN, DIR
RED RIVER VALLEY VOC 974
1505 CENTRAL AVE NW
E.GRND FORKS MN 56721

RICK KOTSCHEVAR, DIR
NORTHWEST VOC CNTR 976
ZEH & LA BREE
TH RVR FALLS MN 56701

JOHN RUSSELL, DIR
MID-STATE VOC CNTR 979
109 NE 2ND AVE
LITTLE FALLS MN 56345

GEORGE SCHERER, DIR
MARTIN CO VOC CNTR 980
900 JOHNSON ST.
FAIRMONT, MN 56031

NICK WALDOCH, DIR
PINE TO PRAIRIE VOC 985
1ST & MAIN
RED LK FALLS MN 56750

MICHAEL KUNTZ, DIR
DES MOINES VLY VOC 986
1129 NORTH HIGHWAY
JACKSON, MN 56143

W.D. LINDBERG, DIR
AGASSIZ VLY VOC CNTR 990
415 JACKSON ST
CROOKSTON, MN 56716

CINDY STEVENS, DIR
NW RGN INTER-DST 382
BOX 57
NEWFOLDEN, MN 56738

JOHN MESSELT, DIR
BENTON-STEARNS SP ED 383
570 1ST ST SE
ST CLOUD, MN 56301

ERIC LARSON, DIR
MOWER COUNTY SP ED 384
BROWNDALE ELEM SCH
BROWNDALE, MN 55918

THURMAN WETTELAND
LAKE AGASSIZ SPECIAL ED
BOX 209
AUDUBON MN 56511

KEN BURT, DIR
MIDWEST SP ED COOP 398
600 COLUMBIA AVE
MORRIS, MN 56267

EUGENE ZABINSKI, DIR
BOUNDARY WATER SP ED 842
600 E HARVEY ST
ELY, MN 55731

THOMAS HANSEN, DIR
SOUTHERN MINN SP SER 870
250 2ND AVE SW
WELLS, MN 56097

DENNIS THORSEN, DIR
RIVER BEND SP ED 929
400 SOUTH PAYNE ST
NEW ULM, MN 56073

KEN MALKOVICH, DIR
MID-RANGE SP ED COOP 932
1ST AVE & 4TH ST SW
CHISHOLM, MN 55719

ORRIE LEABO, DIR
FERGUS FALLS SP ED 935
600 FRIBERG AVE
FERGUS FALLS MN 56537

KENNETH RUNBERG, DIR
CROW RIVER SP ED 937
30 GLEN ST N
HUTCHINSON, MN 55350

DONALD LOE, DIR
MEEKER-WRIGHT SP ED 938
BOX R
COKATO, MN 55321

LES MARTISKO, DIR
SOUTH CENTRAL SP ED 939
FRANKLIN SCH-N BROAD
MANKATO, MN 56001

RICHARD LUBANSKY, DIR
MINN VALLEY SP ED 992
SOUTHVIEW ELEM SCH
WACONIA, MN 55387

NEDRA MAHANEY, DIR
MINN RIVER VLY SP ED 993
NEW PRAGUE JR HIGH
NEW PRAGUE, MN 56071

GARY LEE, DIR
ST PETER INTDST SP 994
HWY 22 N
ST PETER, MN 56082

ED HANLON, DIR
MARTIN COUNTY SP ED 995
115 S PARK
FAIRMONT, MN 56031

W. GACKSTETTER, DIR
RED LAKE FALLS SP ED 997
HWY 32 SO - BOX 445
RED LK FALLS MN 56750

D. CHRISTENSON, DIR
BEMIDJI RGN INTDST 998
BOX 571
BEMIDJI, MN 56601

BURDETTE CLIFFORD, DIR
ESV REGION ONE
810 4TH AVE S-BOX 1178
MOORHEAD, MN 56560

GARY POTHAST, DIR
ESV REGION TWO
LAKE AVE & 2ND ST
DULUTH, MN 55805

JEROME FOECKE, DIR
ESV REGION THREE
570 1ST ST SE
ST CLOUD, MN 56301

SALLY TOBEY, DIR
ESV REGION FOUR
SW[redacted] ECSU, STATE UNIV.
MARSHALL MN 56258

GORDON GIBBS, DIR
ESV REGION FIVE
314 CHESTNUT, BOX 2248
NORTH MANKATO, MN 56001

MERTON JOHNSON, DIR
ESV REGION SIX- METRO II
360 COLBORNE ST
ST PAUL, MN 55102

E RONALD CARRUTH, DIR
ESV REGION SEVEN- TIES
1925 W CO ROAD B-2
ROSEVILLE, MN 55113

DIRECTOR

MPLS AVTI 001
1415 HENNEPIN AVE.
MINNEAPOLIS MINN
55403

DIRECTOR

ST. PAUL AVTI 625
235 MARSHALL AVE.
ST. PAUL MINN
55102

DIRECTOR

ANOKA AVTI 011
1355 W. MAIN ST.
ANOKA MINN
55303

DIRECTOR

MOORHEAD AVTI 152
20TH ST. & 28TH AVE. S.
MOORHEAD MINN
56560

DIRECTOR

ALBERT LEA AVTI 241
2200 TECH DRIVE
ALBERT LEA MINN
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St. Paul, MN 55108

Richard A. Swanson, Professo
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Roland Peterson, Assoc. Prof.
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~~Voc-Tech~~ Educ. Building
~~University~~ of Minnesota
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Ruth Thomas, Assoc. Professor
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Stephen J. Miletich, Asst. Prof.
Industrial Education
Voc-Tech Education Building
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Theda Hagenah, Professor
Counseling & Student Pers.
139 Burton Hall
University of Minnesota

oger Olson, Adult Director lbert Lea Public Schools 11 West Richway Drive lbert Lea, MN 56007	Joe Dennie Assistant Director Eveleth AVTI Eveleth, MN 55734	Chuck DeVore, Adult Director 916 AVTI 3300 Century Avenue White Bear Lake, MN 55110
onald Bluhm dult Director lexandria AVTI 600 Jefferson Street lexandria, MN 56308	Nate Johnson Faribault AVTI 1225 S.W. Third Street Faribault, MN 55021	Garland Kotek Adult Director Pine Technical Institute Pine City , MN 55063
erald Stuhr dult Director noka AVTI ox 191 noka, MN 55303	Marlin Wacholz Adult Director Granite Falls AVTI 15th Street & 11th Avenue Granite Falls, MN 56241	Ralph Knapp Adult Director Pipestone AVTI Pipestone, MN 56164
on Svedjan emidji AVTI oosevelt Road & Grant Avenue emidji, MN 56601	John Kobe, Director Adult Vocational Education Hennepin Technical Ctr. Central 6300 Walker Street St. Louis Park, MN 55416	Bob Herling, Adult Director Red Wing AVTI Highway 58 at Pioneer Road Red Wing, MN 55066
ob Hill, Adult Director rainerd AVTI 00 Quince Street rainerd, MN 56401	Charlotte Skibicki Adult Director Hibbing AVTI 2900 East Beltline Hibbing, MN 55746	Bill Weiser, Adult Director Rochester AVTI 1926 Second Street SE Rochester, MN 55901
oger Fransen dult Director anby AVTI anby, MN 56220	George Halonen, Adult Director Hutchinson AVTI 200 Century Avenue Hutchinson, MN 55350	Cornelius Votca, Adult Direct St. Cloud AVTI 1540 Northway Drive St. Cloud, MN 56301
erry Johnson akota County AVTI .O. Box Drawer K osemount, MN 55068	Harlan Lidke Adult Director Jackson AVTI 401 West Street Jackson, MN 56143	Tom Jessen, Adult Director St. Paul TVI 235 Marshall Avenue St. Paul, MN 55102
under Hanson, Adult Director etroit Lakes AVTI ighway 34 East etroit Lakes, MN 56501	Dan Kocer, Adult Director Mankato AVTI 1920 Lee Boulevard Mankato, MN 56001	Bob Hill Adult Education Staples AVTI Staples, MN 56479
odger Palmer, Adult Director uluth AVTI-Adult Extension 101 Trinity Road uluth, MN 55811	Robert Roessel, Adult Director Minneapolis Technical Institute 1415 Hennepin Avenue Minneapolis, MN 55403	Terry Lemer, Adult Director Thief River Falls AVTI Highway One East Thief River Falls, MN 56701
teve Kerr ommunity Education ox 321 ast Grand Forks, MN 56721	Rose Andersen, Adult Director Moorhead AVTI 1900-28th Avenue South Moorhead, MN 56560	Jim Baymler, Adult Director Wadena AVTI 405 Colfax Southwest Wadena, MN 56482
arry Achterhoff ustin AVTI ustin, MN 55912	James Johnson Winona AVTI 1250 Homer Road Winona, MN 55987	Roger Iverson, Adult Director Willmar AVTI Box 1097 Willmar, MN 56201

3. The forms for providing this information may be developed by either the insurer or by the data service organization to which the insurer belongs. The forms must be filed as part of the experience rating plan.

C. Schedule rating plans. The maximum credit and maximum debit which can be developed by schedule rating shall be determined by the commissioner and shall be no more than 25 percent of manual premium, after application of any experience modification.

D. Failure to comply.

1. If the commissioner finds upon review of the insurer's rate filing that the rates or rating plans do not comply with the requirements of Minnesota Statutes, sections 79.55 to 79.61 and 4 MCAR §§ 1.9140-1.9147, or that the filing lacks the necessary information to determine whether the rates comply with the cited statutes and rules, then the commissioner shall notify the insurer in what respects the rates or rating plans fail to comply and specify a reasonable period within which the defects shall be corrected.

2. If the insurer fails to correct the specified defects within the time period specified, the insurer is in violation of Minnesota Statutes, section 79.56 and subject to a fine as provided in subdivision 3.

4 MCAR § 1.9147 Policy forms.

Workers' compensation insurance must be written using policy forms filed by the data service organization of which the insurer is a member except that if the insurer files a rating plan requiring a policy provision or endorsement for which the data service organization has made no usable filing, then the insurer may file its own policy forms needed to implement its rating plans.

State Board of Education
(State Board for Vocational Education)
Department of Education
Vocational-Technical Division

Proposed Adoption of Rules Governing Post-Secondary Vocational Instructional Personnel Licensure—Robotics Technician 5 MCAR § 1.0790 C

Notice of Hearing

A public hearing concerning the proposed rules will be held at the Capitol Square Building, Conference Room A and B, first floor, on February 23, 1984, commencing at 9:00 a.m. and continuing until all interested persons have had an opportunity to be heard. The proposed rules may be modified as a result of the hearing process. Therefore, if you are affected in any manner by the proposed rules, you are urged to participate in the rule hearing process.

Following the Board's presentation at the hearing all interested or affected persons will have an opportunity to ask questions and make comments. Statements may be made orally and written material may be submitted. In addition, whether or not an appearance is made at the hearing, written statements or material may be submitted to Richard C. Luis, Hearing Examiner, Office of Administrative Hearings, 400 Summit Bank Building, 310 South Fourth Avenue, Minneapolis, MN 55415, telephone (612) 341-7610, either before the hearing or within five working days after the close of the hearing. The hearing examiner may, at the hearing, order that the record be kept open for a longer period not to exceed 20 calendar days. The rule hearing procedure is governed by Minn. Stat. §§ 14.02 to 14.56, and by 9 MCAR §§ 2.101-2.113 (Minnesota Code of Agency Rules). If you have any questions about the procedure, call or write the hearing examiner.

Notice is hereby given that 25 days prior to the hearing, a Statement of Need and Reasonableness will be available for review at the Board and at the Office of Administrative Hearings. This Statement of Need and Reasonableness will include a summary of all the evidence and argument which the Board anticipates presenting at the hearing justifying both the need for and the

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.

reasonableness of the proposed rule or rules. Copies of the Statement of Need and Reasonableness may be obtained from the Office of Administrative Hearings at a minimal charge.

The Board intends to present only a short summary of the Statement of Need and Reasonableness at the hearing but will answer questions raised by interested persons. You are therefore urged to review the Statement of Need and Reasonableness before the hearing. Additional copies will be available at the hearing.

These rules provide educational and occupational experience requirements for post-secondary instructors wishing to apply for a Robotics Technician teaching license.

The Board's statutory authority to promulgate the proposed rules is provided by Minn. Stat. §§ 121.11, Subd. 12, and 125.185, Subd. 4.

The Board estimates that there will be no cost to local bodies in the State to implement the rules for the two years immediately following its adoption within the meaning of Minn. Stat. § 14.11.

A copy of the proposed rules is attached hereto. One free copy may be obtained by writing to Dr. Rosemary T. Fruehling, Capitol Square Building, 550 Cedar Street, St. Paul, MN 55101, telephone (612) 296-3387. Additional copies will be available at the door on the date of the hearing. If you have any questions on the content of the proposed rules, contact Dr. Rosemary T. Fruehling.

Notice: Any person may request notification of the date on which the Hearing Examiner's Report will be available, after which date the Board may not take any final action on the rules for a period of five working days. Any person may request notification of the date on which the hearing record has been submitted (or resubmitted) to the Attorney General by the Board. If you desire to be so notified, you may so indicate at the hearing. After the hearing, you may request notification by sending a written request to the Hearing Examiner (in the case of the Hearing Examiner's Report), or to the Board (in the case of the Board's submission or resubmission to the Attorney General).

Minn. Stat. Ch. 10A requires each lobbyist to register with the State Ethical Practices Board within five days after he or she commences lobbying. A lobbyist is defined in Minn. Stat. § 10A.01, subd. 11 as any individual:

(a) Engaged for pay or other consideration, or authorized by another individual or association to spend money, who spends more than five hours in any one month or more than $250; not including his own travel expenses and membership dues, in any year, for the purpose of attempting to influence legislative or administrative action by communicating or urging others to communicate with public officials; or

(b) Who spends more than $250, not including his own traveling expenses and membership dues, in any year for the purpose of attempting to influence legislative or administrative action by communicating or urging others to communicate with public officials.

The statute provides certain exceptions. Questions should be directed to the Ethical Practices Board, 41 State Office Building, St. Paul, MN 55155, telephone (612) 296-5615.

November 7, 1983

Ruth E. Randall, Secretary
State Board of Education
(State Board for Vocational Education)

Rule as Proposed

5 MCAR § 1.0790 Post-secondary vocational instructional personnel.

A.-B. [Unchanged.]

C. Uncharted licensure criteria; robotics technician. To qualify for a license, an applicant in a licensure area not charted in 5 MCAR § 1.0798, must comply with 5 MCAR § 1.0781, 1.0782, 1.0784 C., and 1.0785, and specifically in the area of technical education/robotics technician, must present evidence of completion of the following education and occupational experience requirements.

1. Education requirement. An applicant must have completed at an accredited institution, either:

a. two years (2,160 clock hours) post-secondary vocational-technical training focusing on technician level training in the areas of fluid power, electronics, automated packaging, industrial engineering, electro-mechanical technology, or industrial technology; or

b. a degree program in mechanical, electrical, or aero-space engineering at the baccalaureate level or higher.

2. Occupational experience requirement. An applicant must have 2,000 hours of experience within the last five years in robotics or programmable automation, and 4,000 hours of experience focusing on the technical application of electronics

emphasizing computer technician or computer programmer skills; fluid power mechanics; manufacturing processes applications; or electro-mechanical technology.

Department of Energy and Economic Development

Proposed Amendments of Rules Governing the Home Energy Disclosure Program and the Minimum Energy Efficiency Standards for Residential Rental Units

Order for Hearing

It is ordered this 9th day of January, 1984, that a public hearing be held on the proposed amendments of the rules captioned above in Room 715 of the American Center Building on February 28, 1984, commencing at 9:15 a.m. and continuing until all representatives of associations and other interested groups have had an opportunity to be heard.

It is further ordered that notice of said hearing be given to all persons who have registered their names with the Minnesota Department of Energy and Economic Development for that purpose and be published in the *State Register*.

Mark B. Dayton
Commissioner
Department of Energy and Economic Development

Notice of Hearing

Notice is hereby given that a public hearing will be held pursuant to Minnesota Statutes, 1982, section 14.14, subd. 1. in the above-entitled matter in the American Center Building, Room 715, 150 E. Kellogg Blvd., St. Paul, MN on February 28, 1984 commencing at 9:15 a.m. and continuing until all representatives of associations or other interested groups or persons have had an opportunity to be heard concerning adoption of the rules captioned above. The public hearing will continue on February 29 commencing at 10:00 a.m. only if it is not completed on February 28. Persons interested in presenting testimony should appear on February 28 as there is no assurance that the public hearing will continue on February 29. The hearing will be conducted according to Minn. Stat. § 14.13 to 14.20 and the rules of the Office of Administrative Hearings, 9 MCAR § 2.100-2.113.

At the hearing, statements may be made orally and written material may be submitted and recorded in the hearing record. In addition, written material may be submitted to Hearing Examiner Allan Klein, Office of Administrative Hearings, 400 Summit Bank Building, 310 South 4th Avenue, Minneapolis, Minnesota 55415—telephone (612) 341-7609, either before the hearing or within five working days after the close of the hearing unless the hearing examiner orders the record to remain open for a longer period of time, not to exceed 20 calendar days. The proposed rules are subject to change as a result of the rules hearing process. The Division therefore strongly urges those who may be affected in any manner by the substance of the proposed rules to participate in the rules hearing process.

The Commissioner proposes to amend existing rules relating to the following matters:

1. Deletions of references to the Home Energy Disclosure Program which was eliminated by the 1983 legislature;
2. Amendments to the Minimum Standards for Energy Efficiency for Residential Rental Units that include:

a) a requirement by July, 1985 to insulate attics to R-38, exterior walls to R-11 and foundations to R-11, including previously defined "inaccessible" attics, walls, foundations, and rim joists.

b) a performance option for buildings with 5 or more units as an alternative to the other prescriptive standards.

3. Expand the definition of "economic feasibility" (used to determine the applicability of each standard) to include costs to repair the building to comply with the standards;
4. Adding a minimum steady state efficiency for heating systems for smaller buildings;
5. Dropping storm doors as a standard for larger buildings.

These standards apply to all residential buildings which were built before 1976, and which are renter occupied between the

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State Board of Education
(State Board for Vocational Education)
Department of Education
Vocational-Technical Division

In the Matter of Proposed Adoption
of Rules of the State Board of Education
(State Board for Vocational Education)
Governing Post-Secondary Vocational
Instructional Personnel Licensure -
Robotics Technician
5 MCAR § 1.0790 C.

Notice of Hearing

A public hearing concerning the proposed rules will be held at the Capitol Square Building, Conference Room A and B, first floor, on February 23, 1984, commencing at 9:00 a.m. and continuing until all interested persons have had an opportunity to be heard. The proposed rules may be modified as a result of the hearing process. Therefore, if you are affected in any manner by the proposed rules, you are urged to participate in the rule hearing process.

Following the Board's presentation at the hearing all interested or affected persons will have an opportunity to ask questions and make comments. Statements may be made orally and written material may be submitted. In addition, whether or not an appearance is made at the hearing, written statements or material may be submitted to Richard C. Luis, Hearing Examiner, Office of Administrative Hearings, 400 Summit Bank Building, 310 South Fourth Avenue, Minneapolis, MN 55415, telephone (612) 341-7610, either before the hearing or within five working days after the close of the hearing. The hearing examiner may, at the hearing, order that the record be kept open for a longer period not to exceed 20 calendar days. The rule hearing procedure is governed by Minn. Stat. §§ 14.02 to 14.56, and by 9 MCAR §§ 2.101-2.113 (Minnesota Code of Agency Rules). If you have any questions about the procedure, call or write the hearing examiner.

Notice is hereby given that 25 days prior to the hearing, a Statement of Need and Reasonableness will be available for review at the Board and at the Office of Administrative Hearings. This Statement of Need and Reasonableness will include a summary of all the evidence and argument which the Board anticipates presenting at the hearing justifying both the need for and the reasonableness of the proposed rule or rules. Copies of the Statement of Need and Reasonableness may be obtained from the Office of Administrative Hearings at a minimal charge.

The Board intends to present only a short summary of the Statement of Need and Reasonableness at the hearing but will answer questions raised by interested persons. You are therefore urged to review the Statement of Need and Reasonableness before the hearing. Additional copies will be available at the hearing.

These rules provide educational and occupational experience requirements for post-secondary instructors wishing to apply for a Robotics Technician teaching license.

The Board's statutory authority to promulgate the proposed rules is provided by Minn. Stat. §§ 121.11, Subd. 12, and 125.185, Subd. 4.

The Board estimates that there will be no cost to local bodies in the State to implement the rules for the two years immediately following its adoption within the meaning of Minn. Stat. § 14.11.

A copy of the proposed rules is attached hereto. One free copy may be obtained by writing to Dr. Rosemary T. Fruehling, Capitol Square Building, 550 Cedar Street, St. Paul, MN 55101, telephone (612) 296-3387. Additional copies will be available at the door on the date of the hearing. If you have any questions on the content of the proposed rules, contact Dr. Rosemary T. Fruehling.

Notice: Any person may request notification of the date on which the Hearing Examiner's Report will be available, after which date the Board may not take any final action on the rules for a period of five working days. Any person may request notification of the date on which the hearing record has been submitted (or resubmitted) to the Attorney General by the Board. If you desire to be so notified, you may so indicate at the hearing. After the hearing, you may request notification by sending a written request to the Hearing Examiner (in the case of the Hearing Examiner's Report), or to the Board (in the case of the Board's submission or resubmission to the Attorney General).

Minn. Stat. Ch. 10A requires each lobbyist to register with the State Ethical Practices Board within five days after he or she commences lobbying. A lobbyist is defined in Minn. Stat. § 10A.01, subd. 11 as any individual:

(a) Engaged for pay or other consideration, or authorized by another individual or association to spend money, who spends more than five hours in any one month or more than $250, not including his own travel expenses and membership dues, in any year, for the purpose of attempting to influence legislative or administrative action by communicating or urging others to communicate with public officials; or

(b) Who spends more than $250, not including his own traveling expenses and membership dues, in any year for the purpose of attempting to influence legislative or administrative action by communicating or urging others to communicate with public officials.

The statute provides certain exceptions. Questions should be directed to the Ethical Practices Board, 41 State Office Building, St. Paul, MN 55155, telephone (612) 296-5615.

State of Minnesota
State Board of Education
(State Board for Vocational Education)

Ruth E. Randall

Ruth E. Randall, Secretary

Date: November 7, 1983

OFFICIAL NOTICES

Pursuant to the provisions of Minn. Stat. § 15.0412, subd. 6, 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.

State Board of Education
(State Board for Vocational Education)
Department of Education
Vocational-Technical Education Division

Rotation only

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

Notice is hereby given that the State Board of Education (State Board for Vocational Education) is seeking information or opinions from sources outside the agency in preparing to amend Rules for Licensure of Vocational Education Personnel. The following rules are being amended: 5 MCAR § 1.0782 C. New instructional positions; 5 MCAR § 1.0790 A. Qualifications for licensure for post-secondary vocational instructional personnel; 5 MCAR § 1.0798 Post-secondary licensure chart. The promulgation of these rules is authorized by Minn. Stat. §§ 121.11, subd. 12; 121.21, subd. 6; and 125.185, subd. 4.

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

Dr. Rosemary T. Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar Street
St. Paul, Minnesota 55101

Oral statements will be received during regular business hours over the telephone at (612) 296-3387 and in person at the above address.

All statements of information and comments shall be accepted until May 31, 1983. Any written material received by the State Board of Education (State Board for Vocational Education) shall become part of the record in the event that the rules are amended.

May 2, 1983

Mary Thornton Phillips
Assistant Commissioner
Division of Vocational-Technical Education

Department of Health
Health Systems Division

Notice of Vacancy

Poison Information Center Advisory Council has one vacancy open for a physician specializing in internal medicine. Applicants cannot be a resident of St. Louis, Hennepin, Olmsted, Nobles, Clay or Scott counties and may not be affiliated with the designated poison information center. The council advises the Commissioner of Health on establishing a poison information center to provide poison information and educational services to the public and to health professionals. Members receive no compensation, but do receive reimbursement for travel expenses. For specific information contact the Poison Information Center Advisory Council, 717 Delaware St. S.E., Minneapolis 55414; (612) 623-5284.

North State Advisers, Inc.

October 6, 1983

Dr. Rosemary T. Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar Street
St. Paul, Minnesota 55101

Dear Dr. Fruehling:

I request that a public hearing be held to consider the merits of adopting the "Proposed Rule Governing Chapter Thirty Nine: Rules for Licensure of Vocational Education Personnel" (5 MCAR §1.0790) published in the September 12, 1983 issue of the State Register.

Sincerely,

NORTH STATE ADVISERS, INC.

David N. Krogseng

DNK/smm

Publics Exh. No. 6A
File No. EDU-84-051-RL
Date 2-23-84

Suite 402 • 511 11th Avenue South • Minneapolis, MN 55415 • Phone (612) 340-9660

NORTHWESTERN
ELECTRONICS INSTITUTE

825 41ST AVENUE NE, COLUMBIA HEIGHTS, MINNESOTA 55421
(612) 781-4881

October 7, 1983

Dr. Rosemary T. Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar Street
St. Paul, Minnesota 55101

Dear Dr. Fruehling:

I request that a public hearing be held to consider the merits of adopting the "Proposed Rule Governing Chapter Thirty Nine: Rules for Licensure of Vocational Education Personnel" (5 MCAR S1.0790) published in the September 12, 1983 issue of the State Register.

Sincerely,

C. R. Dettmann
Director of Instruction

P.S. This action appears to be contrary to what we were told at our advisory committee meeting on September 22, 1983.

File No. _____ Exh. No. 61B
Date _____

8100-34th Avenue South
Mailing Address/Box 0
Minneapolis, Minnesota 55440

CONTROL DATA CORPORATION

October 7, 1983

Dr. Rosemary T. Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Dear Dr. Fruehling:

On behalf of the Control Data Institutes of Minneapolis and St. Paul, I request that a public hearing be held on the merits of the proposed rule governing Chapter Thirty Nine: Rules for Licensure of Vocational Education Personnel (5 MCAR § 1.0790), C. Uncharted Licensure Criteria: Robotics Technician, published in the STATE REGISTER, Monday, September 12, 1983.

I would also appreciate receiving a copy of the Division's statement of need and reasonableness. Thank you.

Very truly yours,

CONTROL DATA INSTITUTE

Harriett M. Herb

Harriett M. Herb, Consultant
Licensing & Accreditation

HMH:cah

Exh. No. 6C
File No.
Date

MINNEAPOLIS DRAFTING SCHOOL

3407 CHICAGO AVENUE • MINNEAPOLIS, MN 55407 • (612) 824-8321

October 7, 1983

Dr. Rosemary Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar Street
St. Paul, Minnesota 55101

Dear Dr. Fruehling:

I request that a public hearing be held to consider the merits of adopting the "Proposed Rule Governing Chapter Thirty Nine: Rules for Licensure of Vocational Education Personnel" (5 MCAR S1.0790) published in the September 12, 1983 issue of the State Register.

Sincerely,

Robert X. Casserly
Director

Exh. No. 6D
File No.
Date

Sylvan Learning Center

Markup

October 6, 1983

Dr. Rosemary T. Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar Street
St. Paul, Minnesota 55101

Dear Dr. Fruehling

I request that a public hearing be held to consider the merits of adopting the "Proposed Rule Governing Chapter Thirty Nine: Rules for Licensure of Vocational Education Personnel" (5 MCAR §1.0790) published in the September 12, 1983 issue of the State Register.

Sincerely,

LeRoy D. Kurimay
Director

Exh. No. 6E
File No.
Date

7550 France Ave. So. Suite 156 Edina, MN 55435 Phone: (612) 831-2255

mapps
Minnesota Association
of Private Postsecondary Schools

October 7, 1983

Dr. Rosemary T. Freuhling
Division of Vocational-Technical Education
514 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Dear Dr. Fruehling:

I request that a public hearing be held to consider the merits of adopting the "Proposed Rule Governing Chapter Thirty Nine: Rules for Licensure of Vocational Education Personnel" (5 MCAR 1.0790) published in the September 12, 1983 issue of the State Register.

Sincerely,

T. Jerome Enright, Jr.
Consultant

TJEJr:pj

Marlys

Exh. No. 6F
File No.
Date

medical institute of minnesota
2309 nicollet avenue • minneapolis, minnesota • 55404 • (612) 871-8481

October 7, 1983

Dr. Rosemary T. Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar Street
St. Paul, Minnesota 55101

Dear Dr. Fruehling:

I request that a public hearing be held to consider the merits of adopting the "Proposed Rule Governing Chapter Thirty Nine: Rules for Licensure of Vocational Education Personnel" (5 MCAR S1.0790) published in the September 12, 1983 issue of the State Register.

Sincerely,

James D. Daras

James D. Daras, President
Medical Institute of Minnesota

marks

Exh. No. 66
File No.
Date

Deena
Helen
Mollys

8/19

D & D ENGINEERING INC.
815 CANNON AVENUE • SHOREVIEW, MINNESOTA 55112 • (612) 484-9247

Dr. Rosemary T. Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Dear Dr. Fruehling,

I am writing to you concerning the proposed rule MCAR 1.0790 Post Secondary Robotics Licensure. I am a manufacturing engineer certified in the fields of special machine design and robotics and am currently teaching courses in robotic applications at local vocational schools as part of their adult evening program. I also conduct classes and seminars in robotic applications for Honeywell Inc., Control Data Inc., and George Washington University.

As an educator in the field of robotics I am concerned about the fact that mechanical design and machine shop operations are not considered as appropriate educational background for robotic instructors. As a graduate of a vocational-school mechanical-design curriculum and an individual holding a vocational teaching license in machine shop operations, I feel that these courses of study are as suited to provide an adequate knowledge base as the technical areas listed in the proposal.

If I understand the proposed rule correctly, the required educational experience acts only as a foundation on which extensive education and experience in various facets of robotics must be added. I feel the knowledge gained from mechanical-design and machine-shop curricula can prepare an individual for the multi-disciplined area of robotics and hope that the committee reviewing the proposal will take a closer look at the educational requirements as now stated and revise them to include these background fields.

Respectfully,

David R. Hoska
President

Exh. No. 6H
File No.
Date

copy to Marlys 8/24/83 DBA Put this copy in my Robotics Licensure file.

Dr. Rosemary T. Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
St. Paul, Minnesota 55101

Re: Proposed Rule MCAR 1.0790 Post Secondary Robotics Licensure.

Dear Dr. Fruehling,

In reviewing the Educational Requirement for Licensure of a Robotics Technology Instructor, I noticed that the fields of Machine Shop Operations, Mechanical Drawing, and Welding, were notably absent. I feel that this oversight should be corrected since in order to competently interface the robot with much of the technology already used in manufacturing, these areas of knowlege are essential. The individual who is able to relate the techniques of machining skill to the artificial knowlege universe of the robot will be the only type that will produce the properly educated person for the emerging demand of modern industry.

There should be also a clarification of what is intended by "computer programer skills" . To the average educator, this connotes ability to program, edit, & debug in any of the many languages used in computer sciences. It would be much better if the instructor were required to be competent in NC programing, machine language programming, or hexa-decimal coding or micro-coding which are what is used most in the robotics applications today.

When public hearings are held on the proposed rule, MCAR 1.0790, I trust that these inputs will be helpful in achieving the best possible document.

Sincerely,

Frederick O. Olsen CMfgE
Chapter Chair
St. Paul Chapter 172
Society of Manufacturing Engineers
1127 Gresham Ave. N.
St. Paul Minnesota 55119.

Exh. No. 67
File No.
Date

Area Vocational Technical Institute Faribault

North Campus
1401 Cannon Circle
332-7444

Main Campus
1225 S.W. Third Street
Faribault, Minnesota 55021
507-334-3965

Johnston Hall
631 S.E. First Street
334-6451 ext. 290

cc: Deena
[redacted]
8/23
bh

TO: Rosemary T. Fruehling, Manager
Post-Secondary Vocational Education

DATE: 8/19/83

FROM: Dick Sunsdahl D.S.
MTIA President

SUBJECT: Robotics License Category

MVA and MTIA have gone on public record opposing the 5 MCAR 1.0790 robotics technician license category as written. A public hearing is considered necessary thereby providing additional input from industry, AVTI's, and machine trades personnel.

DS/cf

Xc: Jeff Brick
Sue Holmes
Duane Petterson
Dan Shaffer

File No. _____ Exh. No. 6K
Date _____

Anoka Area Vocational Technical Institute
Anoka-Hennepin Independent School District No. 11
1355 West Main · Anoka, Minnesota · 55303
612 · 427 · 1880

Deena
~~Madge~~
RTF

September 1, 1983

Dr. Rosemary T. Fruehling
Division of Vocational Technical Education
541 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Dear Dr. Fruehling:

I am writing as a representative of Anoka AVTI. Today our school received your memo regarding "Notice of Intent to Adopt Rules Without a Public Hearing" in the area of Robotics Technician Licensure. The memo states that persons interested in these rules shall have 30 days to submit comments. Since it is dated August 9, 1983, there has been a serious delay in getting it to us.

I am writing at this time to request a public hearing on the proposed rules and will hope that you will proceed according to the provisions of Minnesota Statute 14.11 to 14.20.

I am also requesting at this time a copy of the "Statement of Need and Reasonableness" that describes the proposed rules related to licensure of Robotics Technician.

I would also like to request a copy of the "Final Rules as Proposed for Adoption" which will be submitted to the Attorney General.

In addition, I would like to register some of my concerns related to the proposed rules.

Section C2: "Occupational Experience Requirement"

The 2,000 hours of work experience within the last five years is unreasonable in that electronics instructors who have been teaching for more than five years could very well be reassigned to teach in the robotics area. These people have had upgrading workshops and have taken robotics courses and would be qualified to teach such a program. However, they might very well not have had the "recent paid work experience" because they were teaching.

Exh. No. 6L
File No.
Date

I also think it is unreasonable to expect a person to have had 2,000 hours of experience in robotics or programmable automation, since these are new fields and it might be very difficult to find someone with that kind of experience.

If the 4,000 hours of experience also needs to be within five years, I would have the same concern as above, related to current electronics instructors.

I am hoping that some of these concerns may be addressed at the public hearing. Please be sure to let us know if and when there will be a public hearing.

Sincerely yours,

Caroline Rosdahl

Caroline Rosdahl
Assistant Director

CR/sn/D3

cc: Howard Rosenwinkel
Doug Kohl

Sept 2, 1983

Dr. Rosemary Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar St.
St. Paul, MN 55101

Dear Dr. Fruehling:

Yesterday I saw a copy of a notice by the State Board of Education that the rules for licensing personnel to teach Robotics Technician courses would be adopted without a public hearing.

I object to the adoption of such rules without a public hearing that includes industry representatives. T therefore request a public hearing concerning the proposed changes in MCAR S 1.0790 as pertains to robotics.

Yours truly,

T. G. Kingston

T. G. Kingston, Owner
KINGSTON ELECTRIC COMPANY
18281 Uranium Street N.W.
Anoka, MN 55303

File No. _____ Exh. No. 6M
Date _____

B & L Service
6524 QUEBEC AVE. NO.
BROOKLYN PARK, MN 55428
612-537-0076

Deena Markup

4 Sept 83
Dr. Rosemary Fruehling
Division of Vocational Technical Education
541 Capitol Square Building
550 Cedar St.
St. Paul, Mn 55101

Dear Dr. Fruehling:

I respectfully request a public hearing regarding the rules for licensing personnel to teach Robotics Technician courses.

I do not believe that the publics best interest can be served without a public hearing regarding the proposed changes in 5 MCAR S 1.0790.

Yours truly,
Robert T Evans
Robert T. Evans , Owner

File No. _____ Exh. No. 6N
Date _____

SPARSA PRODUCTS, Inc.
417 6th Avenue N.E.
Osseo, MN 55369
612-425-2631

2 Sept 83

Dr. Rosemary Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar St.
St. Paul, MN 55101

Dear Dr. Fruehling:

I recently saw a copy of a notice issued by the State Board of Education regarding the adoption of rules for licensing personnel to teach Robotics Technician courses.

I object to the adoption of such rules without a public hearing. There are many other areas of high technology which also need licensure definitions and they, likewise, should not be subject to Rules adoption without a public hearing which includes industry representatives.

I therefore request a public hearing concerning the proposed changes in 5 MCAR S 1.0790, as pertains to robotics.

Yours truly,

Marian Huser

Marian Huser, Vice President

MH:dk

Exh. No. 60
File No.
Date

Robert Svare P.E.
CONSULTING ELECTRICAL ENGINEER
13858 QUINN ST. NW
ANOKA, MINNESOTA 55303
(612) 755-7861

September 6, 1983

Dr. Rosemary T. Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Dear Dr. Fruehling:

I request a public hearing on: In the Matter of the Proposed Adoption of Rules of the State Board of Education (State Board for Vocational Education) Governing Chapter Thirty-Nine: Education Personnel 5 MCAR S 1.0790.

Sincerely yours

Robert J. Svare P.E.

Exh. No. 6P
File No.
Date

File

Deeve

[redacted]

Prompt Electric Inc.

13858 QUINN STREET - ANDOVER, MINNESOTA 55303 - (612) 755-8076

Sept. 5, 1983

Dr. Rosemary T. Fruehling
Div. VoTec Ed.
541 Capitol Square Bldg
St. Paul, Minn

Dear Dr. Fruehling:

In regard to the Notice of Intent to Adopt Rules Without a Public hearing Governing Chapter Thirty-Nine/ Rules for Licensure of Vocational Education Personnel 5 MCAR 1.0790, I hereby request a public hearing

Sincerely yours,

Alan Doberstein

Alan Doberstein V.P.

File No. _____ Exh. No. 6Q

Date _____

file Robotics file

R.C. Consultants of Anoka Inc.

1135 WEST MAIN STREET ANOKA,MINNESOTA 55303
SUITE 103 612-421-9084

Rec- copy to Marilyn 9/12/83

September 7, 1983

Dr. Rosemary Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar St.
St. Paul, MN 55101

Dear Dr. Fruehling:

I recently reviewed a copy of a notice issued by the State Board of Education regarding the adoption of rules for licensing personnel to teach Robotics Technician courses.

I object to the adoption of such rules without a public hearing. There are many other areas of high technology which also need licensure definitions and they, likewise, should not be subject to Rules adoption without a public hearing which includes industry representatives.

I therefore request a public hearing concerning the proposed changes in 5 MCAR S 1.0790, as pertains to robotics.

Yours truly,

Ronald L. Christensen
Chief Executive Officer

RLC/jb

Exh. No. 6R
File No.
Date

WILLMAR AREA VOCATIONAL-TECHNICAL INSTITUTE

Accredited By: North Central Association of Colleges and Schools

BOX 1097 WILLMAR, MINNESOTA 56201 TELEPHONE 612 235-5114

Deena
copy to Marlys
9/26/83
BMS

September 20, 1983

Dr. Rosemary T. Fruehling, Manager
Post-Secondary Vocational Education
State Department of Education
Capitol Square Building - 550 Cedar Street
St. Paul, MN 55101

Dear Dr. Fruehling:

After visiting with a number of Willmar AVTI faculty memebers who teach some Robotics in their programs, I want to request that a public hearing be held regarding licensure requirements for Robotics Technician Instructors.

Such a hearing would give all interested parties an opportunity to share their views and concerns before the licensure requirements for Robotics Technician Instructors are adopted.

Thank you for your consideration of this request.

Sincerely,

Ronald A. Erpelding
Director

RAE:lde

Exh. No. 65
File No.

We are an Equal Opportunity Institution and actively seek applications from all qualified persons, whatever their sex, race, color, religion, national origin, or age.

Deena
Copy to Marlys

GCA CORPORATION
PaR Systems
3460 Lexington Avenue North
St. Paul, MN 55112
Telephone: (612) 484-7261
Telex: 29-7473

September 20, 1983

Dr. Rosemary T. Fruehling
Division of Vocational-Technical Education
541 Capitol Square Building
550 Cedar Street
St. Paul, MN 55101

Dear Dr. Fruehling:

It has recently come to my attention that the State Board of Education proposes to adopt rules governing the licensers of Robotics Instructors in Vocational Institutions.

The robotic industry is just emerging and still struggling for real direction. There are currently very few individuals who could meet your experience criteria for robotics and those that do have the experience are in great demand in private industry.

There are, at a minimum, 3 general areas a robot technician would work:

1) service and repair
2) manufacture and implementation
3) design of end-effectors and system layout

It is unclear from the proposed ruling how these areas are to be addressed.

The education system must remain flexible until the industry has settled somewhat. Right now it is undetermined who will be responsible for working on robots; electricians, electronic technicians, mechanics, plumbers or computer technicians.

It is further mentioned in the notice of intent that, at present, no public hearing is to be held. We request that there be a public hearing to fully examine this matter.

Thank you for receiving my thoughts on this matter. If there are any questions I will make myself available to answer them.

Sincerely,

GCA/PaR Systems

Joseph P. Ziskovsky
Robotics Manager

0184D
JZ:dp

File No. _____ Exh. No. 6T
Date _____

WILLMAR AREA VOCATIONAL-TECHNICAL INSTITUTE

Accredited By: North Central Association of Colleges and Schools

BOX 1097 WILLMAR, MINNESOTA 56201 TELEPHONE 612 235-5114

File
Diana
Marlys
Give to Marlys

September 16, 1983

Dr. Rosemary T. Fruehling, Manager
Post-Secondary Vocational Education
State Department of Education
Capitol Square Building - 550 Cedar Street
St. Paul, MN 55101

Dear Dr. Fruehling:

I would like to request a formal hearing regarding the licensure requirements for Robotics Technician instructors.

The rules which have been distributed to be adopted do not address all of the situations and ramifications which could result from the action. A public hearing giving all interested parties an opportunity to express their views and facts is the only method of resolving these issues.

Sincerely,

Raymond A. Engelland
Electronics Instructor

RAE:lde

Exh. No. 64
File No.
Date

We are an Equal Opportunity Institution and actively seek applications from all qualified persons, whatever their sex, race, color, religion, national origin, or age.

CERTIFICATE OF BOARD'S

RESOLUTION ADOPTING RULES

I, Joseph. P. Graba, do hereby certify that I am the Secretary 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 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 11th day of June, 1984, that a quorum was present at said meeting, that a majority of these present voted for the resolution, is set forth in the minutes of said meeting and has not been rescinded or modified.

> "RESOLVED, that the rules relating to 3515.5050 renumbered from 5 MCAR § 1.0790 C. Licensure of Vocational Education Personnel, be and they hereby are approved and adopted, pursuant to authority vested in us by Minnesota Statutes sections 121.11, subd. 12, and 125.185, subd. 4, and that Joseph P. Graba, the Secretary of the State Board of Vocational-Technical Education, be and hereby is authorized to sign an order adopting these rules and further is authorized to perform the force and effect of law."

IN WITNESS WHEREOF, I have hereunto subscribed my name this 11th day of June, 1984.

Joseph P. Graba, Secretary

Member, State Board of
Vocational-Technical Education

State of Minnesota

Board of Vocational-Technical Education

Statement of Need and Reasonablness
Chapter Thirty-nine: Rules for Licensure
of Vocational Education Personnel

Proposed Amendments to Rules 5 MCAR § 1.0790 C.
Vocational Education Licenses for Robotics
Post-Secondary Licensure - Technical Education

Introduction

Public vocational education is delivered through area vocational-technical institutes, centers and school districts. Post-Secondary education is one category of vocational-technical education. Persons who teach post-secondary vocational-technical education courses must be licensed for the specific activity in which they teach. Qualifications for licensure include some form of post-secondary education and some relevant occupational experience in the area of licensure. Robotics technician is a new and emerging occupation integrating concepts and functions that have been in existance for many years such as hydraulics, pneumatics, mechanics, electricity, electronics, and computers with the application of robotics and programmable automation. This program prepares technicians for occupations in robotics design, research, applications, installation, programming, customer service, maintainance and repair.

Rule Amendments

5 MCAR § 1.0790 Post-Secondary vocational instructional personnel.

This amendment is needed to provide minimal teacher education criteria in the areas of educational and occupational experience for a post-secondary teacher licensure in the technical education area of Robotics Technician. This amendment is reasonable because: 1) It establishes teacher licensure criteria that are directly related to the content which must be taught by an instructor of this program, 2) it establishes alternative modes of educational experience for the instructor, 3) it offers adequate hours of hands-on occupational experience for the instructor to be competent in the areas of hydraulics; pneumatics; mechanics; electricity; electronics, robotics/programmable automation and computers, and 4) it complies with the Vocational teacher education sequence and Human Relations courses required for all post-secondary instructor licenses.

Minnesota
State Board of Vocational
Technical Education
Capitol Square Bldg.
550 Cedar Street
St. Paul, MN 55101

Persons to present testimony at the Robotics Technician hearing, February 23, 1984. Speaking on behalf of the rules:

1. Dr. Deena B. Allen, State Department
2. Craig Froke, Minneapolis AVTI
3. Richard Pooley, Granite Falls AVTI
4. Duane Olson, Granite Falls AVTI
5. David Carroll, Staples AVTI
6. Bob Cahlander, Staples AVTI
7. Chuck Raymond, Honeywell, Inc
8. Michael Newkirk, GCA
9. Chris Edwards, MTS
10. Chet Hokanson, Ford
11. Gordy Ferguson, Ford

An Equal Opportunity Employer

State of Minnesota
State Board of Vocational-Technical Education

In the Matter of the Proposed Adoption
of the Rules of the State Board of
Vocational-Technical Education
Governing Chapter Thirty-Nine:
Rules for Licensure of Vocational
Education Personnel MR 3515.5050
(Renumbered from 5 MCAR § 1.0790 C.)

NOTICE OF SUBMISSION
TO THE ATTORNEY GENERAL

Pursuant to your request and in accordance with Minnesota Statutes, Section 14.16.

PLEASE TAKE NOTICE that the above-captioned rules have been submitted to the Office of the Attorney General on this date July 3, 1984, for review as to form and legality. Pursuant to Minnesota Rules, part 2000.0700 the Attorney General will not approve the rules for ten calendar days after receipt to allow any person or association time to comment on the legality of the rules, after which that Office will complete its review. If you desire to comment on the legality of the above-captioned rules, you should direct your comments to the Office of the Attorney General, 204 State Administration Building, 50 Sherburne Avenue, St. Paul, Minnesota, 55155, telephone (612)296-1288. Please note that the above-cited rule of the Attorney General also provides that a copy of any written comments submitted to the Attorney General must be submitted simultaneously to this agency.

If you are interested in obtaining a free copy of the proposed rules, as modified, after the hearing and before submission to the Attorney General, it is available upon request from Dr. Rosemary T. Fruehling, Manager, Instructional Services, 541 Capitol Square Building, 550 Cedar Street, St. Paul, Minnesota, 55101, or telephone (612) 296-3387.

Joseph P. Graba

Joseph P. Graba, Secretary

Amended Rule as Adopted

5 MCAR S 1.0790 Post-secondary vocational instructional personnel.

A.-B. [Unchanged.]

C. Uncharted licensure criteria; robotics technician. To qualify for a license, an applicant in a licensure area not charted in 5 MCAR S 1.0798, must comply with 5 MCAR S 1.0781, 1.0782, 1.0784 C., and 1.0785, and specifically in the area of technical education/robotics technician, must present evidence of completion of the following education and occupational experience requirements.

1. Education requirement. An applicant must have completed at an accredited institution, either:

a. two years (2,160 clock hours) post-secondary vocational-technical training focusing on technician level training in any one or more of the following areas ~~of~~: robotics/flexible automation, fluid power, electronics, automated packaging, industrial engineering, electro-mechanical technology, ~~or~~ industrial technology, or manufacturing processes; or

b. a degree program in any one or more of the following: mechanical, electrical, or aero-space engineering at the baccalaureate level or higher.

2. Occupational experience requirement. An applicant must have 2,000 hours of experience within the last five years in robotics ~~or programmable~~/flexible automation, and 4,000 hours of experience focusing on the technical application of any one or more of the following areas: robotics/flexible automation; electronics emphasizing computer technician or computer programmer skills; fluid power mechanics; manufacturing processes applications; or electro-mechanical technology.

State of Minnesota
State Board of Vocational-Technical Education

In the Matter of the Proposed Adoption of the Rules of the State Board of Vocational-Technical Education Governing Rules for Licensure of Vocational Education Personnel 3515.5050 (Renumbered from 5 MCAR § 1.0790C.)

AFFIDAVIT OF MAILING NOTICE OF SUBMISSION TO THE ATTORNEY GENERAL

STATE OF MINNESOTA)
) ss.
COUNTY OF RAMSEY)

Daniel J. Holmquist, being first duly sworn, deposes and says:

That on the 3rd day of July, 1984, in the City of St. Paul, County of Ramsey, State of Minnesota, he served the attached Notice of Submission to the Attorney General 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 requested notice that the hearing record, has been submitted to the Attorney General.

Daniel J. Holmquist

Subscribed and sworn to before me

this 3rd day of July,

1984.

Lois E. Steinhaus

LOIS E. STEINHAUS
NOTARY PUBLIC-MINNESOTA
RAMSEY COUNTY
MY COMMISSION EXPIRES MAY 9, 1989

Harold Marcotte
Honeywell, Incorporated
Building #104
New Brighton, MN 55112

David Kingsbury
MAPPS
Suite 402--51 11th Ave. S.
Minneapolis, MN 55415

Clyde Millerbernd
ABEW
157 North Dale
St. Paul, MN 55102

C. R. Dettmann
NEI
825 41st Avenue N.E.
Columbia Heights, MN 55421

David Kilty
MN School of Business
11 South Fifth Street
Minneapolis, MN 55402

Sam Farrise
St. Paul TVI
235 Marshall Avenue
St. Paul, MN 55102

John Culverson
Brown Institute
3123 East Lake Street
Minneapolis, MN 55406

David Carroll
Staples AVTI
Staples, MN 56479

Mike Newkirk
BCA Corporation
3460 North Lexington
St. Paul, MN 55112

Duane Olson
Granite Falls AVTI
Highway 212 West
Granite Falls, MN 56241

Dick Sunsdahl
Minn. T & I Association
Faribault AVTI
1255 Southwest Third St.
Faribault, MN 55021

Pat Lynch
317 7th Street South
Sauk Rapids, Mn 56379

David Hoska
D & D Engineering, Inc.
815 Cannon Avenue
Shoreview, MN 55112

Roger Clark
ADC Magnetic Control
4900 West 78th Street
Minneapolis, MN 55435

George Richter
St. Paul TVI
235 Marshall Avenue
St. Paul, MN 55102

Caroline Rosdahl
Anoka AVTI
1355 West Main
Anoka, MN 55303

In the Matter of the Proposed Adoption of Rules of the State Board of Vocational Technical Education Governing Rules for Licensure of Vocational Education Personnel MR 3515.5050 (Renumbered from 5 MCAR § 1.0790C.)

STATEMENT OF COMPLIANCE WITH RULEMAKING PROCEDURES

I, Special Assistant Attorney General Charles T. Mottl, do hereby declare that I have examined the rules and all related documents and that, based on my examination and my personal familiarity with the applicable procedures, the Administrative Procedure Act, the rules of the Office of Administrative Hearings, and the rules of the Attorney General have been followed. Any exceptions are noted below.

Charles T. Mottl

Charles T. Mottl
Special Assistant
Attorney General

Dated: July 2, 1984