Chairman Berg and Other Members of the Industry, Business and Labor Committee:

My name is Don Offerdahl. I am the Executive Director of the North Dakota State Electrical Board. I am here today to bring you information about the electrical industry in the State of North Dakota as compared to other states. I have provided, along with my testimony, a copy of the comparison chart prepared by the Multi-State Reciprocal Licensing Group. The members of this group meet each year to compare our electrical requirements. If you look at the highlighted area under "Journeyman", each State in the Group requires a minimum of four years or 8,000 hours of experience. North Dakota is a member of this Group.

The N.D. State Electrical Board in House Bill 1218 changed their requirement from four years to 8,000 hours, which cannot be obtained in less than three years. This is a lesser requirement than we had before for those apprentice electricians that work more than 40 hours a week. They now have an opportunity to take their electrical exam earlier than what they were allowed to in the past.

It is the responsibility of the N.D. State Electrical Board under N.D.C.C. 43-09-09 to examine an applicant to assure that he or she has the knowledge and experience to be a licensed electrician. N.D.C.C. 43-09-25 authorizes the Board to enter into reciprocal agreements with other states that have similar rules as the State of North Dakota. North Dakota has had a reciprocal agreement with other states as long I have been involved with the Board. It has expanded in the last 10 years with the Multi-State Reciprocal Licensing Group. There have been two states that have dropped out of this Group, Idaho and Oregon, because of their requirements to have related training as part of the minimum standards. As you can see on the comparison chart, there are six other states that also have this requirement.

North Dakota licensed electricians have always been known to be good, knowledgeable electricians. When the Board heard that other states were dropping out of the Multi-State Reciprocal Licensing Group, they went back out to the electrical contractors, electricians and engineers and asked them their opinion if the Board should require additional related training. The Board has done this through newsletters, conventions and continuing education classes for the last year and a half prior to submitting a bill. The responses we received from the comment cards resulted in 79 percent in favor of adding related training. Eight thousand hours is an industry standard nationwide. Reducing those requirements would make North Dakota an island of itself. If we required less hours, other states would not reciprocate their licenses to our licensees when work was slow in North Dakota.

To be a licensed electrician today, one needs to keep up on the ever-changing technology that is happening in the industry. I will try to answer any questions that you may have at this time.

RECIPROCAL AGREEMENT / LETTER OF INTENT REGARDING JOURNEYMAN ELECTRICIAN QUALIFICATIONS



PARTIES TO THE AGREEMENT

This Reciprocal Agreement / Letter of Intent, hereafter called Agreement, is made and entered into by and among the states which have executed it.

PURPOSE

It is the purpose of this agreement to mutually recognize unlimited or general journeyman electrician qualifications between states with equivalent standards, and allow electricians from those states to become certified/licensed without examination in another state which has signed this Agreement.

IN CONSIDERATION OF THE TERMS AND CONDITIONS CONTAINED HEREIN, THE PARTIES AGREE AS FOLLOWS:

CONDITIONS FOR CERTIFICATION

A state which is party to this Agreement shall issue reciprocal journeyman electrician certificates/licenses in accordance with the conditions set out in this clause.

- 1. All parties to this Agreement shall at a minimum maintain the requirements for a journeyman electrician certificate/license as follows:
 - <u>Journeyman Electrician</u>. A journeyman electrician is a person who has qualified for a journeyman electrician certificate of competency/license (certification) by passing a mandatory examination after completion of either a four-year apprenticeship program; or four years (8000 hours) of equivalent experience as determined by the licensing state.
- 2. Applicants must hold, from a state which is party to this Agreement, a journeyman electrician license/certificate or higher classification that is current, active and in good standing.
- 3. Applicants may be required, by the state where the certification is requested, to have held the license/certificate for a minimum of one year prior to requesting certification in that state.
- 4. Applicants may be required to supply specific documentation and / or comply with additional conditions or requirements of the state in which the certification is requested.
 - For example, pursuant to Section 37-68-307 MCA, "The examination passing grade is 75%, the State of Montana, before issuing a license/certificate to a person from a state signatory to the Agreement, shall require written verification from the licensing state or testing agency that the person passed the exam in the licensing state with a score equal to or greater than 75%."
- 5. A state will issue a certificate/license without written examinations when an applicant has met that state's requirements for certification/license and paid the state's appropriate fees.
- 6. Each state shall maintain such permanent records of license/certification applicants which will document the applicant's qualifications, experience, education, tests and scores for a period corresponding to that state's record retention schedule.

PERIOD OF PERFORMANCE

Subject to it's other provisions, the period of performance of this Agreement shall begin for each state on the date it executes this Agreement, except that it shall not begin until execution by at least two states. Therefore, for the first two states executing this Agreement, the period of performance shall begin upon execution by the second state. This Agreement shall continue until superceded or otherwise terminated in writing. An individual state may terminate its participation as set out in the Termination clause.

TERMINATION

A state may terminate its participation in this Agreement by providing written notification to each of the other states which are party to this Agreement at the time of termination. The notification of termination shall:

Be given at least 30 days prior to the proposed termination date; and 1.

Include the reason for withdrawal from participation and any possible alternate solutions. 2.

TERMINATION OF PREVIOUS AGREEMENTS

This Agreement shall automatically terminate and supersede all previous agreements covering the same Purpose as this Agreement which may exist among the parties. This automatic termination of a previous agreement shall be effective only upon execution of this Agreement by all the parties of the agreement so terminated.

AGREEMENT ALTERATION AND AMENDMENTS

This Agreement may be amended by mutual agreement of the parties. Such amendments shall not be binding unless they are in writing and signed by personnel authorized to bind each of the parties.

ADDITION OF PARTIES TO THIS AGREEMENT

This Agreement may be amended to include additional states by written agreement of each of the states which are party to this agreement at the time of amendment. Such an amendment must include at least the following:

Statement that the effective date of the amendment is upon execution of the amendment 1. by all existing parties and the state being added to the Agreement.

2. Affirmation that the state to be added agrees to the terms of this agreement which is dated September 9, 1999, in the footer.

3. Statement that the parties have executed the amendment in consideration of the terms and conditions contained therein.

ALL WRITINGS CONTAINED HEREIN

This Agreement contains all the terms and conditions agreed upon by the parties. No other understanding, oral or otherwise, regarding the subject matter of this Agreement shall be deemed to exist or to bind any of the parties hereto.

IN WITNESS WHEREOF, the parties have executed this Agreement.

Signature

State of Alaska

Burnhun	of Chairman	2-4-00
Signature State of Colorado	Title	Date
Lance Muns	ng Administrator	mn 76 1999
Signature / State of Idaho	Title	Date
Signature Laborator	Executive Socre Lan	DECEMBER 24,1999 Date
State of Minnesota	Title /	Date
Signature State of Montana	<u>CHIDMLII</u> . Title	<u>0 > /61 / 60</u> Date
Signature State of Nebraska	Executive Divector	January 14 2000 Date
Signature/ State of Oregon	y → Admin. Title	Feb./7, 2000 Date
Signature State of South Dakota	Title	1.18070R 3-1-2000 Date
Signature State of Utah	-, Director Title	4/26/2000 Date

patrick Woods	AST. DISCER	12/1/89
Śignature	Title	Date
State of Washington		
V - M		I way to a
Samel Tigmont	Chariman	4-6-00
Signature ブ '	Title	Date
State of Wyoming		

RECIPROCAL AGREEMENT / LETTER OF INTENT REGARDING JOURNEYMAN ELECTRICIAN QUALIFICATIONS

AMENDMENT

<u>ADDITION OF NORTH DAKOTA TO AGREEMENT</u>

By agreement of all existing parties to the Multi-State Electrician Reciprocal Agreement dated November 9, 1999, the State of North Dakota will be added as a participating party. The effective date of this amendment is upon execution by all existing parties and the State of North Dakota

State of North Dakota.		CO 1563
AFFIRMATION OF AGREEMENT	OF TERMS	152200 83
The State of North Dakota agrees t Reciprocal Agreement dated Nover	to the terms and conditions on the terms and conditions	of the Multi-State
Dand Refered	EXECUTIVE DIRECTOR	10-20-00
Signature State of North Dakota	Title	Date
Lesaid Louidson	PRESIDENT	10-20-00
Signature State of North Dakota EXECUTION OF AMENDMENT	Title	Date
EXECUTION OF AMENDMENT		

By execution of this Amendment, all signatory parties agree to participate with the State of North Dakota in the Multi-State Reciprocal Agreement dated November 9, 1999, and all the terms and conditions contained therein.

IN WITNESS WHEREOF, the parties have executed this Amendment.

Rehad a. Master	Dwelfor	1-4-01
Signature	Title	Date
State of Alaska		91
Jana Lunto	Promon Adminitation	12/1/20
Signature /	Title	Date
State of Colorado		
Dail mu	um Administrata	10/24/00
Signatu r e	Title	Date
State of Idaho		
Amendment to Multi-State Election	rician Reciprocal Agreement Page 1 of 2	October 3, 2000

John Gehrely	Title Societory	11-20-00
Signature State of Minnesota	Title	Date
Common testerario del Maria del Carte del Cart		
Belly Salminan Signature State of Montana	Board administrator Title	
Signature State of Nebraska	Executua Arector Title	16-30-00- Date
Signature State of Oregon	Title Title	12/19/00 Date
Signature State of South Dakota	Title Extagrise Dinter	<u>-20-30</u> -2 Date
a. Lang Bow		2-20-2001
Signature State of Utah	Title	Date
2 Jul	Chilola 1	3-8-01
Signature State of Washington	Chif Ela Imp	Date
<u> </u>		
Shand Samond	Clauman	3-29-01
Signature State of Wyoming	Title	Date

RECIPROCAL AGREEMENT / LETTER OF INTENT REGARDING JOURNEYMAN ELECTRICIAN QUALIFICATIONS

AMENDMENT

ADDITION OF ARKANSAS TO AGREEMENT

By agreement of all current participating parties to the Multi-State Electrician Reciprocal Agreement dated November 9, 1999, the State of Arkansas will be added as a participating party. The effective date of this amendment is upon execution by all current participating parties and the State of Arkansas.

AFFIRMATION OF AGREEMENT OF TERMS

The State of Arkansas agrees to the terms and conditions of the Multi-State Reciprocal Agreement dated November 9, 1999.

Dany Jund	Claimer E/E		3-14-04
Signature State of Arkansas	Title		Date
Je & Sectell	DIRECTOR		3-16-04
Signature State of Arkansas	Title	12	Date

EXECUTION OF AMENDMENT

By execution of this amendment, all signatory parties agree to participate with the State of Arkansas in the Multi-State Electrician Reciprocal Agreement dated November 9, 1999, and all the terms and conditions contained therein.

IN WITNESS WHEREOF, the parties have executed this Amendment.

Signature Mulhe	M DIRECTOR Title	7/2/04 Date		
State of Alaska		Bute		
Signature State of Alaska	Title	Date		

Signature State of Colorado	Title	Date
Say Jugar	Program Director	4/26/24
Signature	Title	Date
State of Colorado		Dute
Signature	Title	Data
State of Idaho	n, at the advance of a disco-	Date
Jail Murre	achrunistrata	april 5, 2004
Signature	Title	Date
State of Idaho		Date
	of Exocutive Socre	tory August 10,20
Signature	O Title	Date
State of Minnesota		
Signature State of Minnesota	Title	Date
/		
Leonge Edwards	Administrative Specialis	t 7-19-14
Signature	Title	Date
tate of Montana		Date
Joe Work	- Board Member	7-19-04
ignature	Title	Dete
tate of Montana	1100	Date

)}=	Say the	EX. DIR.	5-25-04
	Signature State of Nebraska	Title	Date
	Isol William	Loard Waules	Cheld.
	Signature State of Nebraska	Title	Date
	Quality Realts	a CHairman	May 12.04
	Signature State of North Dakota	Title	Date
	Dard reflection	P EXECUTIVE DIRECTOR	MAY 12, 2004
	Signature State of North Dakota	Title	Date
)	Signature	Title	8-2-04 Date
	State of South Dakota		/ (
	Signature State of South Dakota	Title	Date
	L Wil	CHAIRMAN	APRIL 19, 2004
-	Signature State of Utah	Title	Date
			5
	Signature State of Utah	Title	Date

Con't Was	D B.F. Shalan	6/2/04
Signature State of Washington	Title	Date
Signature State of Washington	Title	Date
Lath Raymon	Hoter D Dresman Hora	8/3/04
Signature State of Wyoming	Title	Date
Signature State of Wyoming	Title	Date

RECIPROCAL ELECTRICAL APPRENTICE & JOURNEYMAN REQUIREMENT COMPARISON

RECIPROCAL ELECTRICA	L APPRENTIC	E & JOURNE	WAN REQUIR	EIVIENT COMP	ARISON				(NODELL		1 0001711					
07/11/07	ALASKA	ARKANSAS	COLORADO	MINNESOTA	MONTANA	NEBRASKA	NEW HAMPSHIRE	NEW MEXICO	NORTH DAKOTA	OKLAHOMA	SOUTH DAKOTA	UTAH	WASHINGTON	WYOMING	IDAHO	TEXAS
APPRENTICE																\r_A
Apprentice registration/license required	YES	YES	YES	YES	YES	YES	YES	NO (OPTIONAL)	YES	YES	YES	YES	YES	YES	YES	YES
Apprentice registration/license fee	\$50 / APP.; \$200 / 2 YEARS	\$10.00	\$10.00	\$15 / YR	NONE	\$20.00 / 2 YEARS	\$15.00 / YEAR	NONE	\$10	\$30.00	\$20.00 / 2 YEARS	\$110.00 / 2 YEARS		\$20	\$10.00	\$15.00 / YR
Apprentice age requirement		DED DAT	NONE	40	40	NONE	NONE	40.7/2400	16	16	16	49 M//O ADDDOV/AL	16 W/L & I MINOR PERMIT	16	16	16
	16 PER BAT	PER BAT HS or GED	NONE NONE	16 NONE	18 H.S./GED	NONE	NONE HS / GED	16 YEARS NO (OPTIONAL)	NONE	NONE	NONE	18 W/O APPROVAL NONE	NONE	NONE	NONE	NONE
Apprentice education requirement	PERDAI	HŞ GI GED	NONE	NONE	TI.O./GED	HONE	1137 GED	NO (OI HONAL)	HONE	HONE	NONE	I NONE	HOILE	HOHE	NONE	110.12
OTJ training of apprentice requirement	8,000 HOURS	8,000 HOURS	MIN . 4 YEARS / 8,000 HOURS	8,000 HRS	8,000 HOURS	MIN. 4 YEARS / 8,000 HOURS	8,000 HOURS	NO (OPTIONAL)	8,000 HOURS MAX. 2,000 / YEAR	8,000 HOURS	8,000 HOURS MAX. 2,000 / YEAR	8,000 HOURS W/ SCHOOL OR 16,000 HOURS W/O	8,000 HOURS	8,000 HOURS	8,000 HOURS	8,000 HRS
Journeyman supervision of apprentice requirement	CONSTANT OTJ SUPERVISION	YES	CONSTANT OTJ SUPERVISION	CONSTANT OTJ SUPERVISION	CONSTANT OTJ SUPERVISION	CONSTANT OTJ SUPERVISION	YES	DIRECT OTJ SUPERVISION	CONSTANT OTJ SUPERVISION	YES	CONSTANT OTJ SUPERVISION	CONSTANT OTJ SUPERVISION	75%	1 & 2 - 100% 3 - 50% 4 - 25%	CONSTANT OTJ SUPERVISION	YES
Apprentice Vocational Education required	PER BAT	YES	NONE	NO	144 HOURS / YEAR (576 TOTAL)	NONE	144 HOURS / YEAR (576 TOTAL)	NONE	2 YRS OR 576 HOURS CLASSROOM	NONE	NONE	144 HOURS / YEAR (576 TOTAL)	8 CLASSROOM HOURS/ YEAR	144 HOURS / YEAR (576 TOTAL)	144 HOURS / YEAR 576 TOTAL	NONE
Experience mix requirement (Commercial/Industrial/Residential)	MAX. 2,000 HOURS - RESIDENTIAL	4,000 HRS COMM - INDUST	NONE	NONE	NO MORE THAN 4,000 RES.	NONE	N/A	YES	NONE	MIN. 4,000 HOURS COMMERCIAL / INDUSTRIAL	NONE	NONE	MIN. 4,000 COMMERCIAL	NOT MORE THAN 75% IN ANY ONE CATEGORY	NO MORE THAN 75% PER AREA	NONE
Apprentice to Journeyman Ratio					1 JW / 1 (1ST APP) 3 JW / 1 APP AFTER			1 JW / 3 APP. OR 1 JW / 1 APP			COMMERCIAL, ON-	NON-RES 1 JW / 1 APP; RES. 1 JW / 3				1
appromise to conficient todo	1 JW / 2 APP.	1 JW / 1 APP.	1 JW / 3 APP.	1 JYM / 2 UNLIC	11	1 JW / 3 APP.	1:1 (SITE RATIO)	PROGRAM	1 JW / 3 APP.	1 JW / 2 APP.	SITE SUPERVISION	APP.	APP.	1 JW / 2 APP.	1 JW / 2 APP	NONE
JOURNEYMAN												CONTRACTOR STATE OF THE STATE O				
OTJ hours, years or combination to sit for Journeyman Exam	4 YEARS / 8,000 HOURS	4 YEARS / 8,000 HOURS	4 YEAR\$ / 8,000 HOURS	48 MONTHS	4 YEARS / 8,000 HOURS	4 YEARS / 8,000 HOURS	8,000 HOURS	4 YEARS	8,000 HOURS	4 YEARS / 8,000 HOURS	4 YEARS / 8,000 HOURS	8000 HRS + 576 HRS SCHOOL OR 18,000 HRS	8,000 HOURS	4 YEARS / 8,000 HOURS	4 YEARS / 8,000 HRS	8,000 HRS
Experience mix requirement (Commercial/Industrial/Residential)	NO MORE THAN 2,000 RESIDENTIAL	YES	MIN. 2 YEARS / COMM./IND.	BASED ON ELECTRICAL WORK	NO MORE THAN 4,000 RES.	NONE	N/A	YES	NONE	NONE	1 YEAR COMM.	MUST BE IN CLASSIFICATION APPLYING FOR	MIN. 4,000 COMMERCIAL	NOT MORE THAN 75%	CANNOT EXCEED 75% IN 1 CATEGORY	NONE
							1		0.450.05.55		84					
Vocational education requirement for in-state Journeyman to test	PER BAT	NONE	NONE	CASE BY CASE	NONE	NONE	576	NONE	2 YRS OR 576 HOURS CLASSROOM	NONE	NONE	OPTIONAL	NONE	576	576	NONE
Vocational education requirement for out-of-state							0.07.01.0107	NONE.		NONE	NONE	OPTIONAL	0405 BY 0405	MIN. FOR THAT	576 OR 16,000 OTJ	NONE
Journeyman to test	NONE	CASE BY CASE	NONE	NO	NONE	NONE	CASE BY CASE	NONE	NONE	NONE	NONE	OPTIONAL	CASE BY CASE	STATE	EXP	NONE
Is properly documented out-of-state experience accepted even if it did not comply with that state's	CASE BY CASE			DEPENDS ON	LEGALLY											
requirements?	BASIS	NO	YES	REQUIREMENT	OBTAINED	CASE BY CASE	CASE BY CASE	NO	CASE BY CASE LTD. EMERGENCY	CASE BY CASE	CASE BY CASE	NO	NO	NO	NO	NO
Temporary work permit available?	NO	YES	YES	NO	YES	NONE	NONE	YES	BASIS	NONE	YES	NO	YES	YES	NO	NO
Is a written exam required?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
Number of questions?	100	60	95	80	60	50	100 (2 PARTS)	100	70	100	85	75	60 +17	80	80	80
Time limit?	4 HOURS	3 HOURS	4½ HOURS	5½ HOURS	3 HOURS	3 HOURS	4 HOURS (JW); AND 5 HOURS (MASTER)		4½ HRS	4 HOURS	5 HOURS	6 HOURS	4 HOURS	4 HOURS	4 HOURS	4 HOURS
Passing score	70%	70%	70%	70%	75%	75%	70%	75%	70%	70%	70%	75%	70%	70%	70%	70%
is the exam part or all open book?	ALL	ALL	ALL	ALL	ALL	ALL	ALL	PART	PART	ALL	PART	PART	ALL	ALL	ALL	ALL
Who develops and/or administers the written exam?	DEPARTMENT STAFF	THOMSON	PROMISOR	DEPT. STAFF	LASER GRADE	EXEC DIRECTOR, CHIEF INSPECTOR	STATE'S INSPECTORS / BOARD	PSI	EX. DIRECTOR / ELEC. BOARD	PSI	COMMISSION APPOINTEES	THOMPSON PROMETRIC	LASER GRADE	ICC	ICC	ICC
Is a practical exam required?	NO	NO	NONE	NO	NO	NONE	YES	YES	NO	NONE	NONE	YES	NO	NO	NO	NO
Upon failure of the exam once, what are the time restrictions before retake?	30 DAYS	NONE	NONE	6 MONTHS	NONE	NONE	N/A	NONE	50 - 69 (3 MONTHS) 0 - 49 (6 MONTHS)	30 DAYS EST. BY LEGISLATIVE RULES	30 DAYS	30 DAYS	60-69 (1 DAY) <60 (2 WEEKS)	10 DAYS	30 DAYS	10 DAYS
Upon failing the exam twice, what are the time restrictions before retake?	30 DAYS	NONE	N/A	6 MONTHS	6 MONTHS, 8 HOUR CE & 20 HOURS STUDY	NONE	N/A	30 DAYS	DOUBLE PREVIOUS WAITING PERIOD	90 DAYS EST. BY RULES	90 DAYS	1 PART = 1 SEM. SCHOOL; 2-3 PARTS = 1 YEAR SCHOOL	60-69 (1 DAY) <60 (2 WEEKS)	10 DAYS	30 DAYS	10 DAYS
Upon failing the exam three times, what are the time restrictions before retake?	30 DAYS	NONE	N/A	6 MONTHS	1 YEAR, 16 HOUR CE & 40 HOURS STUDY	NONE	N/A	30 DAYS	DBL. LAST W/P - MAX. 12 MONTHS	90 DAYS EST. BY RULES	90 DAYS	N/A	90 DAYS AFTER 3 FAILED ATTEMPTS	10 DAYS	1 YEAR	10 DAYS
How often are exams given?	WEEKLY - IN ANCHORAGE	MONTHLY	TUESDAY - SATURDAY	WEEKLY	DAILY	MONTHLY	4 TIMES / YEAR	DAILY	MONTHLY	DAILY IN SOME	MONTHLY	DAILY	DAILY	DAILY IN SOME	DAILY	DAILY
Is continuing education required?	YES	YES	RENEWAL EXAM	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
How many hours are required?	16 HOURS / 2 YEARS	8 HRS-3 YRS	N/A	16 HOURS / 2 YEARS	16 HRS / 2 YEARS	12 HOURS / 2 YEARS	15 HOURS ON CODE CHANGE	16 HOURS - 8 CODE	6 HOURS / 1 YEAR	6 HRS / CODE CYCLE	16 HOURS / 2 YEARS	16 HOURS / 2 YEARS	24 HOURS / 3 YEARS	16 HOURS / 3 YEARS	24 HOURS / 3 YEARS	4 HRS / YR
The duration of a Journeyman license	2 YEARS	1 - 3 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	1 YEAR (RENEWED ON BIRTH MONTH)	1.55	1 YEAR	1 YEAR	2 YEARS	2 YEARS	3 YEARS	3 YEARS	3 YEARS	1 YEAR
Revival period without re-testing									0.75.5-		4.75.55	0.005.01/2-1-2-1	00 5 10 2	45.00.00	ANEAS.	AVEAS
	2 YEARS	1 YEAR	NEXT RENEWAL	2 YEARS	1 YEAR	90 DAYS	1 YEAR	6 MONTHS	3 YEARS	N/A	1 YEAR COMM.	CASE BY CASE	90 DAYS	45 DAYS	1 YEAR	1 YEAR
Cost of a Journeyman license (renewal)	\$200 / 2 YEARS	\$25.00	\$28 / 2 YEARS	\$30.00 / 2 YEARS	\$70.00 / 2 YEARS	\$25/YR, \$50/2 YRS	\$30.00 / YEAR	\$75.00 / 3 YEARS	\$25.00 / YEAR	\$50.00	\$40.00 / 2 YEARS	\$63 / 2 YEARS	\$67 / 3 YEARS	\$50.00 / 3 YEARS	\$45.00 / 3 YEARS	\$40.00 / YEAR