

SENATE FILE 2244  
BY LUNDBY

Passed Senate, Date \_\_\_\_\_ Passed House, Date \_\_\_\_\_  
Vote: Ayes \_\_\_\_\_ Nays \_\_\_\_\_ Vote: Ayes \_\_\_\_\_ Nays \_\_\_\_\_  
Approved \_\_\_\_\_

**A BILL FOR**

1 An Act providing for statewide licensure of electricians and  
2 installers, providing for inspections, establishing fees, and  
3 providing penalties.

4 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:

STATE GOVERNMENT

SF 2244

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1 Section 1. NEW SECTION. 103.1 DEFINITIONS.

2 As used in this chapter, unless the context otherwise  
3 requires:

4 1. "Apprentice electrician" means any person who as such  
5 person's principal occupation is engaged in learning and  
6 assisting in the installation, alteration, and repair of  
7 electrical wiring, apparatus, and equipment as an employee of  
8 a person licensed under this chapter, and who is licensed by  
9 the board and is progressing toward completion of an  
10 apprenticeship training program registered by the bureau of  
11 apprenticeship and training of the United States department of  
12 labor. For purposes of this chapter, persons who are not  
13 engaged in the installation, alteration, or repair of  
14 electrical wiring, apparatus, and equipment, either inside or  
15 outside buildings, shall not be considered apprentice  
16 electricians.

17 2. "Board" means the electrical examining board created  
18 under section 103.2.

19 3. "Class A journeyman electrician" means a person having  
20 the necessary qualifications, training, experience, and  
21 technical knowledge to wire for or install electrical wiring,  
22 apparatus, and equipment and to supervise apprentice  
23 electricians and who is licensed by the board.

24 4. "Class A master electrician" means a person having the  
25 necessary qualifications, training, experience, and technical  
26 knowledge to properly plan, lay out, and supervise the  
27 installation of electrical wiring, apparatus, and equipment  
28 for light, heat, power, and other purposes and who is licensed  
29 by the board.

30 5. "Class B journeyman electrician" means a person having  
31 the necessary qualifications, training, experience, and  
32 technical knowledge to wire for or install electrical wiring,  
33 apparatus, and equipment who meets and is subject to the  
34 restrictions of section 103.12.

35 6. "Class B master electrician" means a person having the

1 necessary qualifications, training, experience, and technical  
2 knowledge to properly plan, lay out, and supervise the  
3 installation of electrical wiring, apparatus, and equipment  
4 who meets and is subject to the restrictions of section  
5 103.10.

6 7. "Commercial installation" means an installation  
7 intended for commerce, but does not include a residential  
8 installation.

9 8. "Electrical contractor" means a person who is licensed  
10 by the board as either a class A or class B master electrician  
11 and who is also registered with the state of Iowa as a  
12 contractor.

13 9. "Industrial installation" means an installation  
14 intended for use in the manufacture or processing of products  
15 involving systematic labor or habitual employment and includes  
16 installations in which agricultural or other products are  
17 habitually or customarily processed or stored for others,  
18 either by buying or reselling on a fee basis.

19 10. "Inspector" means a person certified as an electrical  
20 inspector upon such reasonable conditions as may be adopted by  
21 the board. The board may permit more than one class of  
22 electrical inspector.

23 11. "Life safety installer" means a person who is  
24 certified at level two or higher by the national institute for  
25 certification in engineering technology, who is qualified to  
26 oversee the installation of life safety systems, including  
27 fire alarm, security, and nurse call systems, and who is  
28 licensed by the board.

29 12. "New electrical installation" means the installation  
30 of electrical wiring, apparatus, and equipment for light,  
31 heat, power, and other purposes.

32 13. "Public use building or facility" means any building  
33 or facility designated for public use, including all property  
34 owned and occupied or designated for use by the state of Iowa.

35 14. "Residential installation" means an installation

1 intended for a single-family or two-family residential  
2 dwelling or a multifamily residential dwelling not larger than  
3 a four-family dwelling.

4 15. "Routine maintenance" means the repair or replacement  
5 of existing electrical apparatus or equipment of the same size  
6 and type for which no changes in wiring are made.

7 16. "Special electrician" means a person having the  
8 necessary qualifications, training, and experience in wiring  
9 or installing special classes of electrical wiring, apparatus,  
10 equipment, or installations which shall include irrigation  
11 system wiring, well pump wiring, air conditioning and  
12 refrigeration installation, and sign installation and who is  
13 licensed by the board.

14 17. "Unclassified person" means any person, other than an  
15 apprentice electrician or other person licensed under this  
16 chapter, who, as such person's principal occupation, is  
17 engaged in learning and assisting in the installation,  
18 alteration, and repair of electrical wiring, apparatus, and  
19 equipment as an employee of a person licensed under this  
20 chapter, and who is licensed by the board as an unclassified  
21 person. For purposes of this chapter, persons who are not  
22 engaged in the installation, alteration, or repair of  
23 electrical wiring, apparatus, and equipment, either inside or  
24 outside buildings, shall not be considered unclassified  
25 persons.

26 Sec. 2. NEW SECTION. 103.2 ELECTRICAL EXAMINING BOARD  
27 CREATED.

28 1. An electrical examining board is created within the  
29 division of state fire marshal of the department of public  
30 safety. The board shall consist of ten members, seven voting  
31 and three nonvoting, appointed by the governor and subject to  
32 senate confirmation, all of whom shall be residents of this  
33 state.

34 2. The voting members shall be as follows:

35 a. Two members shall be journeyman electricians, one a

1 member of an electrical workers union covered under a  
2 collective bargaining agreement and one not a member of a  
3 union.

4 b. Two members shall be master electricians or electrical  
5 contractors, one of whom is a contractor signed to a  
6 collective bargaining agreement or a master electrician  
7 covered under a collective bargaining agreement and one of  
8 whom is a nonunion contractor or a master electrician who is  
9 not a member of a union.

10 c. One member shall be an electrical inspector.

11 d. Two members, one a union member covered under a  
12 collective bargaining agreement and one a nonunion member,  
13 shall not be a member of any of the aforementioned groups and  
14 shall represent the general public.

15 3. The nonvoting members shall be as follows:

16 a. One member shall be the state fire marshal or a  
17 representative of the state fire marshal's office.

18 b. One member shall be a local building official employed  
19 by a political subdivision to perform electrical inspections  
20 for that political subdivision.

21 c. One member shall represent a public utility.

22 4. The public members of the board shall be allowed to  
23 participate in administrative, clerical, or ministerial  
24 functions incident to giving a licensure examination, but  
25 shall not determine the content of the examination or  
26 determine the correctness of the answers. Professional  
27 associations or societies composed of licensed electricians  
28 may recommend to the governor the names of potential board  
29 members whose profession is representative of that association  
30 or society. However, the governor is not bound by the  
31 recommendations. A board member shall not be required to be a  
32 member of any professional electrician association or society.

33 Sec. 3. NEW SECTION. 103.3 TERMS OF OFFICE -- EXPENSES  
34 -- COUNSEL.

35 1. Appointments to the board, other than the state fire

1 marshal or a representative of the state fire marshal's  
2 office, shall be for three-year terms and shall commence and  
3 end as provided by section 69.19. The state fire marshal, or  
4 a representative of the state fire marshal's office, shall be  
5 permanently appointed to the board. Vacancies shall be filled  
6 for the unexpired term by appointment of the governor and  
7 shall be subject to senate confirmation. Members shall serve  
8 no more than three terms or nine years, whichever is least.

9 2. Members of the board are entitled to receive all actual  
10 expenses incurred in the discharge of their duties within the  
11 limits of funds appropriated to the board. Each member of the  
12 board may also be eligible to receive compensation as provided  
13 in section 7E.6.

14 3. The board shall be entitled to the counsel and services  
15 of the attorney general. The board may compel the attendance  
16 of witnesses, pay witness fees and mileage, take testimony and  
17 proofs, and administer oaths concerning any matter within its  
18 jurisdiction.

19 Sec. 4. NEW SECTION. 103.4 ORGANIZATION OF THE BOARD.

20 The board shall elect annually from its members a  
21 chairperson and a vice chairperson, and shall hire and provide  
22 staff to assist the board in administering this chapter. The  
23 board shall hold at least one meeting annually at the location  
24 of the board's principal office, and meetings shall be called  
25 at other times by the chairperson or four members of the  
26 board. At any meeting of the board, a majority of members  
27 constitutes a quorum.

28 Sec. 5. NEW SECTION. 103.5 OFFICIAL SEAL -- BYLAWS.

29 The board shall adopt and have an official seal which shall  
30 be affixed to all certificates of licensure granted.

31 Sec. 6. NEW SECTION. 103.6 POWERS AND DUTIES.

32 The board shall:

33 1. Adopt rules pursuant to chapter 17A and in doing so  
34 shall be governed by the minimum standards set forth in the  
35 most current publication of the national electrical code

1 issued and adopted by the national fire protection  
2 association, and amendments to the code, which code and  
3 amendments shall be filed in the offices of the secretary of  
4 state and the board and shall be a public record. The board  
5 shall adopt rules reflecting updates to the code and  
6 amendments to the code. The board shall promulgate and adopt  
7 rules establishing wiring standards that protect public safety  
8 and health and property and that apply to all electrical  
9 wiring which is installed subject to this chapter.

10 2. Revoke, suspend, or refuse to renew any license granted  
11 pursuant to this chapter when the licensee:

12 a. Fails or refuses to pay any examination, license, or  
13 renewal fee required by law.

14 b. Is an electrical contractor and fails or refuses to  
15 provide and keep in force a public liability insurance policy  
16 as required by the board.

17 c. Violates any political subdivision's approved  
18 inspection ordinances.

19 The board may, in its discretion, revoke, suspend, or  
20 refuse to renew any license granted pursuant to this chapter  
21 when the licensee violates any provision of the national  
22 electrical code as adopted pursuant to subsection 1, this  
23 chapter, or any rule adopted pursuant to this chapter.

24 3. Order disconnection of power to any electrical  
25 installation that is proximately dangerous to health or  
26 property.

27 4. Order removal of electrical wiring, apparatus, or  
28 equipment from premises when such wiring, apparatus, or  
29 equipment is proximately dangerous to health or property.

30 5. Investigate, for the purpose of identifying dangerous  
31 electrical wiring or violations of the national electrical  
32 code as adopted pursuant to subsection 1, any death by  
33 electrocution that occurs within the state.

34 6. Adopt rules for continuing education requirements for  
35 each classification of licensure established pursuant to this

1 chapter, and adopt all rules, not inconsistent with the law,  
2 necessary for the proper performance of the duties of the  
3 board.

4 7. Provide for the amount and collection of fees for  
5 inspection and other services.

6 8. Enforce the provisions of the national electrical code  
7 as adopted pursuant to subsection 1.

8 Sec. 7. NEW SECTION. 103.7 ELECTRICIAN AND INSTALLER  
9 LICENSING AND INSPECTION FUND.

10 An electrician and installer licensing and inspection fund  
11 is created in the state treasury as a separate fund under the  
12 control of the board. All licensing, examination, renewal,  
13 and inspection fees shall be deposited into the fund and  
14 retained by and for the use of the board. Expenditures from  
15 the fund shall be approved by the sole authority of the board.  
16 Amounts deposited into the fund shall be considered repayment  
17 receipts as defined in section 8.2. Notwithstanding section  
18 8.33, any balance in the fund on June 30 of each fiscal year  
19 shall not revert to the general fund of the state, but shall  
20 remain available for the purposes of this chapter in  
21 subsequent fiscal years. Notwithstanding section 12C.7,  
22 subsection 2, interest or earnings on moneys deposited in the  
23 fund shall be credited to the fund.

24 Sec. 8. NEW SECTION. 103.8 PLAN, LAY OUT, OR SUPERVISE  
25 CERTAIN ACTIVITIES -- LICENSE REQUIRED -- EXCEPTIONS.

26 Except as provided in sections 103.13 and 103.14, no person  
27 shall, for another, plan, lay out, or supervise the  
28 installation of wiring, apparatus, or equipment for electrical  
29 light, heat, power, and other purposes unless the person is  
30 licensed by the board as an electrical contractor, a class A  
31 master electrician, or a class B master electrician.

32 Sec. 9. NEW SECTION. 103.9 ELECTRICAL CONTRACTOR  
33 LICENSE.

34 1. An applicant for an electrical contractor license shall  
35 be a licensed class A or class B master electrician, and be

1 registered with the state of Iowa as a contractor.

2 2. A contractor who holds a class B master electrician  
3 license shall be licensed subject to the restrictions of  
4 section 103.10.

5 Sec. 10. NEW SECTION. 103.10 CLASS A MASTER ELECTRICIAN  
6 LICENSE QUALIFICATIONS -- CLASS B MASTER ELECTRICIAN LICENSE.

7 1. An applicant for a class A master electrician license  
8 shall have at least one year's experience, acceptable to the  
9 board, as a licensed class A or class B journeyman  
10 electrician.

11 2. In addition, an applicant shall obtain a score of at  
12 least seventy-five percent on an examination prescribed and  
13 administered by the board based upon the most recent national  
14 electrical code adopted pursuant to section 103.6 and upon  
15 electrical theory.

16 3. a. An applicant who can provide proof acceptable to  
17 the board that the applicant has been working in the  
18 electrical business and involved in planning for, laying out,  
19 supervising, and installing electrical wiring, apparatus, or  
20 equipment for light, heat, and power prior to 1990 may be  
21 granted a class B master electrician license without taking an  
22 examination. An applicant who is issued a class B master  
23 electrician license pursuant to this section shall not be  
24 authorized to plan, lay out, or supervise the installation of  
25 electrical wiring, apparatus, and equipment in a political  
26 subdivision which, prior to or after the effective date of  
27 this section of this Act, establishes licensing standards  
28 which preclude such work by class B master electricians in the  
29 political subdivision. The board shall adopt rules  
30 establishing procedures relating to the restriction of a class  
31 B master electrician license pursuant to this subsection.

32 b. A class B master electrician may become licensed as a  
33 class A master electrician upon successful passage of the  
34 examination prescribed in subsection 2.

35 4. A person licensed by a political subdivision to plan,

1 lay out, or supervise the installation of electrical wiring,  
2 apparatus, or equipment for light, heat, power, and other  
3 purposes and supervise apprentice electricians preceding the  
4 effective date of this section of this Act pursuant to a  
5 supervised written examination, and who is currently engaged  
6 in the electrical contracting industry, shall be issued an  
7 applicable statewide license corresponding to that licensure  
8 as a class A master electrician or electrical contractor. The  
9 board shall adopt by rule certain criteria for city  
10 examination standards satisfactory to fulfill this  
11 requirement.

12 Sec. 11. NEW SECTION. 103.11 WIRING OR INSTALLING --  
13 SUPERVISING APPRENTICES LICENSE REQUIRED -- QUALIFICATIONS.

14 1. Except as provided in section 103.13, no person shall,  
15 for another, wire for or install electrical wiring, apparatus,  
16 or equipment, or supervise an apprentice electrician or  
17 unclassified person, unless the person is licensed by the  
18 board as an electrical contractor, a class A master  
19 electrician, a class B master electrician, or a life safety  
20 installer, or is licensed as a class A journeyman electrician,  
21 a class B journeyman electrician, or a life safety installer  
22 and is employed by an electrical contractor, a class A master  
23 electrician, a class B master electrician, or a life safety  
24 installer.

25 2. For purposes of this section, the holder of a life  
26 safety installer license shall only supervise those  
27 apprentices engaged in the installation of fire alarm  
28 equipment and apparatus operating at fifty volts or less.

29 Sec. 12. NEW SECTION. 103.12 CLASS A JOURNEYMAN  
30 ELECTRICIAN LICENSE QUALIFICATIONS -- CLASS B JOURNEYMAN  
31 ELECTRICIAN LICENSE.

32 1. An applicant for a class A journeyman electrician  
33 license shall have successfully completed an apprenticeship  
34 training program registered by the bureau of apprenticeship  
35 and training of the United States department of labor in

1 accordance with the standards established by that department.  
2 An applicant may petition the board to receive a waiver of  
3 this requirement. The board shall determine a level of on-  
4 the-job experience as an unclassified person sufficient to  
5 qualify for a waiver.

6 2. In addition, an applicant shall obtain a score of at  
7 least seventy-five percent on an examination prescribed and  
8 administered by the board based upon the most recent national  
9 electrical code adopted pursuant to section 103.6 and upon  
10 electrical theory.

11 3. a. An applicant who can provide proof acceptable to  
12 the board that the applicant has been employed as a journeyman  
13 electrician since 1990 may be granted a class B journeyman  
14 electrician license without taking an examination. An  
15 applicant who is issued a class B journeyman electrician  
16 license pursuant to this section shall not be authorized to  
17 wire for or install electrical wiring, apparatus, and  
18 equipment in a political subdivision which, prior to or after  
19 the effective date of this section of this Act, establishes  
20 licensing standards which preclude such work by class B  
21 journeyman electricians in the political subdivision. The  
22 board shall adopt rules establishing procedures relating to  
23 the restriction of a class B journeyman electrician license  
24 pursuant to this subsection.

25 b. A class B journeyman electrician may become licensed as  
26 a class A journeyman electrician upon successful passage of  
27 the examination prescribed in subsection 2.

28 4. A person licensed by a political subdivision to wire  
29 for or install electrical wiring, apparatus, or equipment or  
30 supervise an apprentice electrician preceding the effective  
31 date of this section of this Act pursuant to a supervised  
32 written examination, and who is currently engaged in the  
33 electrical contracting industry with at least four years'  
34 experience, shall be issued an applicable statewide license  
35 corresponding to that licensure as a class A journeyman

1 electrician or a class B journeyman electrician. The board  
2 shall adopt by rule certain criteria for city examination  
3 standards satisfactory to fulfill this requirement.

4 Sec. 13. NEW SECTION. 103.13 SPECIAL ELECTRICIAN LICENSE  
5 -- QUALIFICATIONS.

6 The board shall by rule provide for the issuance of special  
7 electrician licenses authorizing the licensee to engage in a  
8 limited class or classes of electrical work, which class or  
9 classes shall be specified on the license. Each licensee  
10 shall have experience, acceptable to the board, in each such  
11 limited class of work for which the person is licensed.

12 Sec. 14. NEW SECTION. 103.14 LIFE SAFETY INSTALLER  
13 LICENSE.

14 1. A person not otherwise licensed pursuant to this  
15 chapter shall not plan, lay out, or install electrical wiring,  
16 apparatus, and equipment for components of life safety  
17 systems. A person authorized to plan, lay out, or install  
18 electrical wiring, apparatus, and equipment for components of  
19 life safety systems that operate at fifty volts or less by a  
20 political subdivision on the effective date of this section of  
21 this Act shall be issued an applicable statewide license  
22 corresponding to that authorization as a life safety  
23 installer.

24 2. On or after the effective date of this section of this  
25 Act, any person to be licensed as a life safety installer to  
26 plan, lay out, and install electrical wiring, apparatus, and  
27 equipment for components of life safety systems shall have at  
28 least two years' experience, acceptable to the board, in  
29 planning, laying out, and installing life safety systems.

30 3. In addition to the requirements of subsections 1 and 2,  
31 an applicant for a life safety installer license shall obtain  
32 a score of at least seventy-five percent on a level two or  
33 higher examination prescribed and administered by the board  
34 based on the most recent national institute for certification  
35 in engineering technology requirements.

1 4. A person licensed as a class A or class B master  
2 electrician, or a class A or class B journeyman electrician,  
3 who has not successfully passed the examination prescribed in  
4 subsection 3 shall be authorized to install electrical wiring,  
5 apparatus, and equipment for components of life safety systems  
6 if their work is approved by a person who is licensed as a  
7 life safety installer.

8 Sec. 15. NEW SECTION. 103.15 APPRENTICE ELECTRICIAN --  
9 UNCLASSIFIED PERSON.

10 1. A person shall be licensed by the board and pay a  
11 licensing fee to work as an apprentice electrician while  
12 participating in an apprenticeship training program registered  
13 by the bureau of apprenticeship and training of the United  
14 States department of labor in accordance with the standards  
15 established by that department. A person is eligible for  
16 licensure as an apprentice electrician for only one  
17 apprenticeship, which shall be limited to six years from the  
18 date of licensure, unless extended by the board upon a finding  
19 that a hardship existed which prevented completion of the  
20 apprenticeship program. Such licensure shall entitle the  
21 licensee to act as an apprentice to an electrical contractor,  
22 a class A master electrician, a class B master electrician, a  
23 class A journeyman electrician, or a class B journeyman  
24 electrician as provided in subsection 3.

25 2. A person shall be licensed as an unclassified person by  
26 the board and pay a licensing fee to perform electrical work  
27 if the work is performed under the personal supervision of a  
28 person actually licensed to perform such work and the licensed  
29 and unclassified persons are employed by the same employer.  
30 After one hundred days of employment as a nonlicensed  
31 unclassified person, the unclassified person must receive a  
32 license from the board and pay the applicable license fee.  
33 Licensed persons shall not permit unclassified persons to  
34 perform electrical work except under the personal supervision  
35 of a person actually licensed to perform such work.

1 Unclassified persons shall not supervise the performance of  
2 electrical work or make assignments of electrical work to  
3 unclassified persons. Electrical contractors employing  
4 unclassified persons performing electrical work shall maintain  
5 records establishing compliance with this section, which shall  
6 designate all unclassified persons performing electrical work.

7 3. Apprentice electricians and unclassified persons shall  
8 do no electrical wiring except under the direct personal on-  
9 the-job supervision and control and in the immediate presence  
10 of a licensee pursuant to this chapter. Such supervision  
11 shall include both on-the-job training and related classroom  
12 training as approved by the board. The licensee may employ or  
13 supervise apprentice electricians and unclassified persons at  
14 a ratio not to exceed three apprentice electricians and  
15 unclassified persons to one licensee, except that such ratio  
16 and the other requirements of this section shall not apply to  
17 apprenticeship classroom training.

18 4. For purposes of this section, "the direct personal on-  
19 the-job supervision and control and in the immediate presence  
20 of a licensee" shall mean the licensee and the apprentice  
21 electrician or unclassified person shall be working at the  
22 same project location but shall not require that the licensee  
23 and apprentice electrician or unclassified person be within  
24 sight of one another at all times.

25 5. An apprentice electrician shall not install, alter, or  
26 repair electrical equipment except as provided in this  
27 section, and the licensee employing or supervising an  
28 apprentice electrician shall not authorize or permit such  
29 actions by the apprentice electrician.

30 Sec. 16. NEW SECTION. 103.16 LICENSE EXAMINATIONS.

31 1. Examinations for licensure shall be given as often as  
32 deemed necessary by the board, but no less than one time per  
33 month. The scope of the examinations and the methods of  
34 procedure shall be prescribed by the board. The examinations  
35 given by the board shall be the experior assessment

1 examination, or a successor examination approved by the board,  
2 or an examination prepared by a third-party testing service  
3 which is substantially equivalent to the experior assessment  
4 examination, or a successor examination approved by the board.

5 2. An examination may be given by representatives of the  
6 board. As soon as practicable after the close of each  
7 examination, a report shall be filed in the office of the  
8 secretary of the board by the board. The report shall show  
9 the action of the board upon each application and the  
10 secretary of the board shall notify each applicant of the  
11 result of the applicant's examination. Applicants who fail  
12 the examination once shall be allowed to take the examination  
13 at the next scheduled time. Thereafter, the applicant shall  
14 be allowed to take the examination at the discretion of the  
15 board. An applicant who has failed the examination may  
16 request, in writing, information from the board concerning the  
17 applicant's examination grade and subject areas or questions  
18 which the applicant failed to answer correctly, except that if  
19 the board administers a uniform, standardized examination, the  
20 board shall only be required to provide the examination grade  
21 and such other information concerning the applicant's  
22 examination results which are available to the board.

23 Sec. 17. NEW SECTION. 103.17 DISCLOSURE OF CONFIDENTIAL  
24 INFORMATION -- CRIMINAL PENALTY.

25 A member of the board shall not disclose information  
26 relating to the following:

- 27 1. Criminal history or prior misconduct of an applicant.
- 28 2. Information relating to the contents of an examination.
- 29 3. Information relating to examination results other than  
30 a final score except for information about the results of an  
31 examination given to the person who took the examination.

32 A member of the board who willfully communicates or seeks  
33 to communicate such information, and any person who willfully  
34 requests, obtains, or seeks to obtain such information, is  
35 guilty of a simple misdemeanor.

1     Sec. 18. NEW SECTION. 103.18 LICENSE RENEWAL --  
2 CONTINUING EDUCATION.

3     In order to renew a license issued pursuant to this  
4 chapter, the licensee shall be required to complete eighteen  
5 contact hours of continuing education courses approved by the  
6 board during the three-year period for which a license is  
7 granted. The contact hours shall include a minimum of six  
8 contact hours studying the national electrical code described  
9 in section 103.6, and the remaining contact hours may include  
10 study of electrical circuit theory, blueprint reading,  
11 transformer and motor theory, electrical circuits and devices,  
12 control systems, programmable controllers, and microcomputers  
13 or any other study of electrical-related material that is  
14 approved by the board. Any additional hours studying the  
15 national electrical code shall be acceptable. For purposes of  
16 this section, "contact hour" means fifty minutes of classroom  
17 attendance at an approved course under a qualified instructor  
18 approved by the board.

19     Sec. 19. NEW SECTION. 103.19 LICENSES -- EXPIRATION --  
20 APPLICATION -- FEES.

21     All licenses issued pursuant to this chapter shall expire  
22 every three years. All license applications shall include the  
23 applicant's social security number. The board shall establish  
24 the fees to be payable for examination and license issuance  
25 and renewal in amounts not to exceed the following:

26     1. For examinations:

27     a. Class A master electrician, one hundred twenty-five  
28 dollars.

29     b. Class A journeyman electrician, sixty dollars.

30     c. Life safety installer, sixty dollars.

31     2. For each year of the three-year license period for  
32 issuance and renewal:

33     a. Electrical contractor, one hundred twenty-five dollars.

34     b. Class A master electrician, class B master electrician,  
35 one hundred twenty-five dollars.

1 c. Class A journeyman electrician, class B journeyman  
2 electrician, life safety installer, or special electrician,  
3 twenty-five dollars.

4 3. For each year of the three-year license period for an  
5 apprentice electrician, and for an unclassified person, twenty  
6 dollars.

7 The holder of an expired license may renew the license for  
8 a period of three months from the date of expiration upon  
9 payment of the license fee plus ten percent of the renewal fee  
10 for each month or portion thereof past the expiration date.  
11 All holders of licenses expired for more than three months  
12 shall apply for a new license.

13 Sec. 20. NEW SECTION. 103.20 DEATH OF LICENSEE --  
14 REPRESENTATIVE TO CARRY ON BUSINESS -- INSURANCE REQUIRED.

15 Upon the death of an electrical contractor, a class A  
16 master electrician, a class B master electrician, or a life  
17 safety installer, the board may permit a representative to  
18 carry on the business of the decedent for a period not to  
19 exceed six months for the purpose of completing work under  
20 contract to comply with this chapter. Such representative  
21 shall furnish all public liability and property damage  
22 insurance required by the board.

23 Sec. 21. NEW SECTION. 103.21 LICENSES WITHOUT  
24 EXAMINATION -- RECIPROCITY WITH OTHER STATES.

25 1. To the extent that any other state which provides for  
26 the licensing of electricians provides for similar action, the  
27 board may grant licenses, without examination, of the same  
28 grade and class to an electrician who has been licensed by  
29 such other state for at least one year, upon payment by the  
30 applicant of the required fee, and upon the board being  
31 furnished with proof that the qualifications of the applicant  
32 are equal to the qualifications of holders of similar licenses  
33 in this state.

34 2. A temporary ninety-day license may be granted to a  
35 person licensed in another state, territory, or possession of

1 the United States, or the District of Columbia, as prescribed  
2 by rule, provided that before practicing within this state the  
3 person shall have applied for temporary licensure and shall  
4 have paid the fee to be established by the board by rule.

5 Sec. 22. NEW SECTION. 103.22 CHAPTER INAPPLICABILITY.

6 The provisions of this chapter shall not:

7 1. Apply to a person licensed as an engineer pursuant to  
8 chapter 542B or registered as an architect pursuant to chapter  
9 544A providing consultations and developing plans concerning  
10 electrical installations who is exclusively engaged in the  
11 practice of the person's profession.

12 2. Require employees of municipal corporations, electric  
13 membership or cooperative associations, public utility  
14 corporations, railroads, telecommunications companies, or  
15 commercial or industrial companies performing manufacturing,  
16 installation, and repair work for such employer to hold  
17 licenses while acting within the scope of their employment.

18 3. Require any person doing work for which a license would  
19 otherwise be required under this chapter to hold a license  
20 issued under this chapter if the person is the holder of a  
21 valid license issued by any political subdivision, so long as  
22 the person makes electrical installations only in the  
23 jurisdictional limits of such political subdivision and such  
24 license issued by the political subdivision meets the  
25 requirements of this chapter.

26 4. Apply to the installation, maintenance, repair, or  
27 alteration of vertical transportation or passenger conveyors,  
28 elevators, moving walks, dumbwaiters, stagelifts, manlifts, or  
29 appurtenances thereto beyond the terminals of the controllers.  
30 The licensing of elevator contractors or constructors shall  
31 not be considered a part of the licensing requirements of this  
32 chapter.

33 5. Require a license of any person who engages any  
34 electrical appliance where approved electrical outlets are  
35 already installed.

1 6. Prohibit an owner of property from performing work on  
2 the owner's principal residence, if such residence is not  
3 larger than a single-family dwelling, or farm property,  
4 excluding commercial or industrial installations or  
5 installations in public use buildings or facilities, or  
6 require such owner to be licensed under this chapter.

7 7. Require that any person be a member of a labor union in  
8 order to be licensed.

9 Sec. 23. NEW SECTION. 103.23 ELECTRICAL INSTALLATIONS --  
10 SUBJECT TO INSPECTION.

11 The inspection and enforcement provisions of this chapter  
12 shall apply to the following:

13 1. All new electrical installations for commercial or  
14 industrial applications, including installations both inside  
15 and outside of buildings, and for public use buildings and  
16 facilities and any installation at the request of the owner.

17 2. All new electrical installations for residential  
18 applications in excess of single-family residential  
19 applications.

20 3. All new electrical installations for single-family  
21 residential applications requiring new electrical service  
22 equipment.

23 4. Existing electrical installations observed during  
24 inspection which constitute an electrical hazard. Existing  
25 installations shall not be deemed to constitute an electrical  
26 hazard if the wiring when originally installed was installed  
27 in accordance with the electrical code in force at the time of  
28 installation and has been maintained in that condition.

29 Sec. 24. NEW SECTION. 103.24 STATE INSPECTION --  
30 INAPPLICABILITY IN CERTAIN POLITICAL SUBDIVISIONS --  
31 ELECTRICAL INSPECTORS -- CERTIFICATE OF QUALIFICATION.

32 1. No person other than the holder of an electrical  
33 inspector's certificate of qualification shall be appointed to  
34 act as an electrical inspector and to enforce this chapter or  
35 any applicable resolution or ordinance within the inspector's

1 jurisdiction. The board shall establish by rule standards for  
2 the certification and decertification of state electrical  
3 inspectors, and certified electrical inspector continuing  
4 education requirements.

5 2. State inspection shall not apply within the  
6 jurisdiction of any political subdivision which, pursuant to  
7 section 103.29, provides by resolution or ordinance standards  
8 of electrical wiring and its installation that are not less  
9 than those prescribed by the board or by this chapter and  
10 which further provides by resolution or ordinance for the  
11 inspection of electrical installations within the limits of  
12 such subdivision by a certified electrical inspector. A copy  
13 of the certificate of each electrical inspector shall be  
14 provided to the board by the political subdivision issuing the  
15 certificate.

16 3. State inspection shall not apply to routine  
17 maintenance.

18 Sec. 25. NEW SECTION. 103.25 REQUEST FOR INSPECTION --  
19 FEES.

20 At or before commencement of any installation required to  
21 be inspected by the board, the licensee or owner making such  
22 installation shall submit to the board a request for  
23 inspection. The board shall prescribe the methods by which  
24 the request may be submitted, which may include electronic  
25 submission or through a form prescribed by the board that can  
26 be submitted either through the mail or by a fax transmission.  
27 The board shall also prescribe methods by which inspection  
28 fees can be paid, which may include electronic methods of  
29 payment. If the board becomes aware that a person has failed  
30 to file a necessary request for inspection, the board shall  
31 send a written notification by certified mail that the request  
32 must be filed within fourteen days. Any person filing a late  
33 request for inspection shall pay a delinquency fee in an  
34 amount to be determined by the board. Failure to file a late  
35 request within fourteen days shall be subject to a civil

1 penalty to be determined by the board by rule.

2 Sec. 26. NEW SECTION. 103.26 CONDEMNATION --  
3 DISCONNECTION -- OPPORTUNITY TO CORRECT NONCOMPLIANCE.

4 If the inspector finds that any installation or portion of  
5 an installation is not in compliance with accepted standards  
6 of construction for safety to health and property, based upon  
7 minimum standards set forth in the local electrical code or  
8 the national electrical code adopted by the board pursuant to  
9 section 103.6, the inspector shall by written order condemn  
10 the installation or noncomplying portion or order service to  
11 such installation disconnected and shall send a copy of such  
12 order to the board and the electrical utility supplying power  
13 involved. If the installation or the noncomplying portion is  
14 such as to seriously and proximately endanger human health or  
15 property, the order of the inspector when approved by the  
16 inspector's superior shall require immediate condemnation and  
17 disconnection by the applicant. In all other cases, the order  
18 of the inspector shall establish a reasonable period of time  
19 for the installation to be brought into compliance with  
20 accepted standards of construction for safety to health and  
21 property prior to the effective date established in such order  
22 for condemnation or disconnection.

23 Sec. 27. NEW SECTION. 103.27 CONDEMNATION OR  
24 DISCONNECTION ORDER -- SERVICE.

25 1. A copy of each condemnation or disconnection order  
26 shall be served personally or by regular mail upon the  
27 property owner at the property owner's last known address, the  
28 licensee making the installation, and such other persons as  
29 the board by rule may direct.

30 2. The electrical utility supplying power shall be served  
31 with a copy of any order which requires immediate  
32 disconnection or prohibits energizing an installation.

33 Sec. 28. NEW SECTION. 103.28 CERTIFICATE OF SAFE  
34 OPERATION -- DISMISSAL OF CONDEMNATION OR DISCONNECTION ORDER.

35 No electrical installation subject to inspection by the

1 board shall be newly connected or reconnected for use until  
2 there is filed with the electrical utility supplying power a  
3 certificate of the property owner or licensed electrician  
4 directing the work that inspection has been requested and that  
5 the conditions of the installation are safe for energization.  
6 In all cases when an order of condemnation or disconnection  
7 has been issued against the installation or any part thereof,  
8 prior to connection or reconnection there shall also first be  
9 filed with the electrical utility supplying the power a copy  
10 of an order of the inspector or the board dismissing such  
11 prior order of condemnation or disconnection or approving the  
12 installation as being in compliance with accepted standards of  
13 construction for safety to human health and property, based  
14 upon minimum standards set forth in the national electrical  
15 code adopted by the board. An electrical utility supplier may  
16 refuse service without liability for such refusal until such  
17 conditions have been met. With respect to transient projects,  
18 the certificate shall also contain a certification that the  
19 request for inspection has been or will be filed with the  
20 board so as to be received by the board at least five days  
21 prior to the date and time energization of the installation by  
22 the utility is to occur, and that the request for inspection  
23 states such date and time, and it shall be the responsibility  
24 of the board to have inspection made of such transient project  
25 prior to the date and time at which the request states  
26 energization is to occur.

27     Sec. 29. NEW SECTION.   103.29   POLITICAL SUBDIVISION  
28   INSPECTIONS -- AUTHORITY OF POLITICAL SUBDIVISION.

29     1. A political subdivision performing electrical  
30 inspections prior to December 31, 2006, shall continue to  
31 perform such inspections. If the board finds that a political  
32 subdivision's inspections are not adequate, the board may  
33 revoke the political subdivision's authority to perform its  
34 own inspections. A political subdivision not performing  
35 electrical inspections prior to December 31, 2006, may make

1 provision for inspection of electrical installations within  
2 its jurisdiction, in which case it shall keep on file with the  
3 board copies of its current inspection ordinances or  
4 resolutions and electrical codes.

5 2. A political subdivision that performs electrical  
6 inspections may set appropriate permit fees to pay for such  
7 inspections. A political subdivision shall not require any  
8 person holding a license from the board to pay any license fee  
9 or take any examination if the person holds a current license  
10 issued by the board which is of a classification equal to or  
11 greater than the classification needed to do the work  
12 proposed. Any such political subdivision may provide a  
13 requirement that each person doing electrical work within the  
14 jurisdiction of such political subdivision have on file with  
15 the political subdivision a copy of the current license issued  
16 by the board or such other evidence of such license as may be  
17 provided by the board.

18 Sec. 30. NEW SECTION. 103.30 INSPECTIONS NOT REQUIRED.

19 Nothing in this chapter shall be construed to require the  
20 work of employees of municipal corporations, railroads,  
21 electric membership or cooperative associations, public  
22 utility corporations, or telecommunications systems to be  
23 inspected while acting within the scope of their employment.

24 Sec. 31. NEW SECTION. 103.31 SUPPLIER OF ELECTRICAL  
25 SERVICE -- LIABILITY.

26 Upon inspection and approval by any certified inspector,  
27 all liability upon any supplier of electrical service for  
28 subsequent damage or loss arising from any installation shall  
29 be terminated, except for any acts of gross negligence by such  
30 supplier.

31 Sec. 32. NEW SECTION. 103.32 STATE INSPECTION  
32 PROCEDURES.

33 1. An inspection shall be made within three business days  
34 of the submission of a request for an inspection as provided  
35 in section 103.25. When necessary, circuits may be energized

1 by the authorized installer prior to inspection but the  
2 installation shall remain subject to condemnation and  
3 disconnection.

4 2. Where wiring is to be concealed, the inspector must be  
5 notified within a reasonable time to complete a rough-in  
6 inspection prior to concealment, exclusive of Saturdays,  
7 Sundays, and holidays. If wiring is concealed before rough-in  
8 inspection without adequate notice having been given to the  
9 inspector, the person responsible for having enclosed the  
10 wiring shall be responsible for all costs resulting from  
11 uncovering and replacing the cover material.

12 Sec. 33. NEW SECTION. 103.33 STATE INSPECTION FEES.

13 1. All state electrical inspection fees shall be due and  
14 payable to the board at or before commencement of the  
15 installation and shall be forwarded with the request for  
16 inspection. Inspection fees provided in this section shall  
17 not apply within the jurisdiction of any political subdivision  
18 if the political subdivision has adopted an ordinance or  
19 resolution pursuant to this chapter.

20 2. The board shall establish the fees for inspections in  
21 amounts not to exceed:

22 a. For each separate inspection of an installation,  
23 replacement, alteration, or repair, twenty-five dollars.

24 b. For services, change of services, temporary services,  
25 additions, alterations, or repairs on either primary or  
26 secondary services as follows:

27 (1) Zero to one hundred ampere capacity, twenty-five  
28 dollars plus five dollars per branch circuit or feeder.

29 (2) One hundred one to two hundred ampere capacity,  
30 thirty-five dollars plus five dollars per branch circuit or  
31 feeder.

32 (3) For each additional one hundred ampere capacity or  
33 fraction thereof, twenty dollars plus five dollars per branch  
34 circuit or feeder.

35 c. For field irrigation system inspections, sixty dollars

1 for each unit inspected.

2 d. For the first reinspection required as a result of a  
3 correction order, fifty dollars; a second reinspection  
4 required as a result of noncompliance with the same correction  
5 order, seventy-five dollars; and subsequent reinspections  
6 associated with the same correction order, one hundred dollars  
7 for each reinspection.

8 3. When an inspection is requested by an owner, the  
9 minimum fee shall be thirty dollars plus five dollars per  
10 branch circuit or feeder. The fee for fire and accident  
11 inspections shall be computed at the rate of forty-seven  
12 dollars per hour, and mileage and other expenses shall be  
13 reimbursed as provided by the office of the state fire  
14 marshal.

15 4. For installations requiring more than six months in the  
16 process of construction and in excess of three hundred dollars  
17 total inspection fees, the persons responsible for the  
18 installation may, after a minimum filing fee of one hundred  
19 dollars, pay a prorated fee for each month and submit it with  
20 an order for payment initiated by the electrical inspector.

21 Sec. 34. NEW SECTION. 103.34 CONDEMNATION OR  
22 DISCONNECTION ORDERS -- APPEALS -- DISPOSITION OF ORDERS  
23 PENDING APPEAL.

24 1. Any person aggrieved by a condemnation or disconnection  
25 order issued may appeal from the order by filing a written  
26 notice of appeal with the board within ten days after the date  
27 the order was served upon the owner or within ten days after  
28 the order was filed with the board, whichever is later.

29 2. Upon receipt of the notice of appeal from a  
30 condemnation or disconnection order because the electrical  
31 installation is proximately dangerous to health or property,  
32 the order appealed from shall not be stayed unless  
33 countermanded by the board.

34 3. Upon receipt of notice of appeal from a condemnation or  
35 disconnection order because the electrical installation is not

1 in compliance with accepted standards of construction for  
2 safety to health and property, the order appealed from shall  
3 be stayed until final decision of the board and the board  
4 shall notify the property owner and the electrical contractor,  
5 class A master electrician, class B master electrician, fire  
6 alarm installer, or special electrician making the  
7 installation. The power supplier shall also be notified in  
8 those instances in which the order has been served on such  
9 supplier.

10 Sec. 35. NEW SECTION. 103.35 APPEAL PROCEDURES.

11 1. Upon receipt of a notice of appeal, the chairperson or  
12 executive secretary of the board may designate a hearing  
13 officer from among the board members to hear the appeal or may  
14 set the matter for hearing before the full board at its next  
15 regular meeting. A majority of the board shall make the  
16 decision.

17 2. Upon receiving the notice of appeal, the board shall  
18 notify all persons served with the order appealed from. Such  
19 persons may join in the hearing and give testimony in their  
20 own behalf. The board shall set the hearing date on a date  
21 not more than fourteen days after receipt of the notice of  
22 appeal unless otherwise agreed by the interested parties and  
23 the board.

24 Sec. 36. NEW SECTION. 103.36 SUSPENSION, REVOCATION, OR  
25 REPRIMAND.

26 The board, by a simple majority vote of the entire board,  
27 may suspend for a period not exceeding two years, or revoke  
28 the certificate of licensure of, or reprimand any licensee who  
29 is found guilty of any of the following acts or offenses:

- 30 1. Fraud in procuring a certificate of licensure.
- 31 2. Professional incompetency.
- 32 3. Knowingly making misleading, deceptive, untrue, or  
33 fraudulent representations in the practice of the licensee's  
34 profession or engaging in unethical conduct or practice  
35 harmful to the public. Proof of actual injury need not be

1 established.

2 4. Habitual intoxication or addiction to the use of drugs.

3 5. Conviction of a felony under the laws of the United  
4 States, this state, any other state, territory, or possession  
5 of the United States, the District of Columbia, or any foreign  
6 country. A copy of the record of conviction or plea of guilty  
7 is conclusive evidence of such conviction.

8 6. Revocation or suspension of licensure, or other  
9 disciplinary action by the licensing authority of another  
10 state, territory, or possession of the United States, the  
11 District of Columbia, or any foreign country. A certified  
12 copy of the record or order of suspension, revocation, or  
13 other disciplinary action is prima facie evidence of such  
14 fact.

15 7. Fraud in representations as to skill or ability.

16 8. Use of untruthful or improbable statements in  
17 advertisements.

18 9. Willful or repeated violations of this chapter.

19 Sec. 37. NEW SECTION. 103.37 PROCEDURE.

20 Proceedings for any action under section 103.36 shall be  
21 commenced by filing with the board written charges against the  
22 accused. Upon the filing of charges, the board shall conduct  
23 an investigation into the charges. The board shall designate  
24 a time and place for a hearing, and shall notify the accused  
25 of this action and furnish the accused a copy of all charges  
26 at least thirty days prior to the date of the hearing. The  
27 accused has the right to appear personally or by counsel, to  
28 cross-examine witnesses, or to produce witnesses in defense.

29 Sec. 38. NEW SECTION. 103.38 INJUNCTION.

30 Any person who is not legally authorized to practice in  
31 this state according to this chapter, who practices, or in  
32 connection with the person's name, uses any designation  
33 tending to imply or designate the person as authorized to  
34 practice in this state according to this chapter, may be  
35 restrained by permanent injunction.

1     Sec. 39. NEW SECTION. 103.39 CRIMINAL VIOLATIONS.

2     A person who violates a permanent injunction issued  
3 pursuant to section 103.38 or presents or attempts to file as  
4 the person's own the certificate of licensure of another, or  
5 who gives false or forged evidence of any kind to the board in  
6 obtaining a certificate of licensure, or who falsely  
7 impersonates another practitioner of like or different name,  
8 or who uses or attempts to use a revoked certificate of  
9 licensure, is guilty of a fraudulent practice under chapter  
10 714.

11     Sec. 40. NEW SECTION. 103.40 CIVIL PENALTY.

12     1. In addition to any other penalties provided for in this  
13 chapter, the board may by order impose a civil penalty upon a  
14 person who is not licensed under this chapter and who does any  
15 of the following:

16     a. Is employed in a capacity in which the person engages  
17 in or offers to engage in the activities authorized pursuant  
18 to this chapter.

19     b. Uses or employs the words "electrical contractor" or  
20 "class A master electrician", "class B master electrician",  
21 "class A journeyman electrician", "class B journeyman  
22 electrician", or "life safety installer", or implies  
23 authorization to provide or offer those services, or otherwise  
24 uses or advertises any title, word, figure, sign, card,  
25 advertisement, or other symbol or description tending to  
26 convey the impression that the person is an "electrical  
27 contractor", "class A master electrician", "class B master  
28 electrician", "class A journeyman electrician", "class B  
29 journeyman electrician", or "life safety installer".

30     c. Gives false or forged evidence of any kind to the board  
31 or any member of the board in obtaining or attempting to  
32 obtain a certificate of licensure.

33     d. Falsely impersonates any individual licensed pursuant  
34 to this chapter.

35     e. Uses or attempts to use an expired, suspended, revoked,

1 or nonexistent certificate of licensure.

2 f. Knowingly aids or abets an unlicensed person who  
3 engages in any activity identified in this subsection.

4 2. A civil penalty imposed shall not exceed one thousand  
5 dollars for each offense. Each day of a continued violation  
6 constitutes a separate offense, except that offenses resulting  
7 from the same or common facts or circumstances shall be  
8 considered a single offense.

9 3. In determining the amount of a civil penalty to be  
10 imposed, the board may consider any of the following:

11 a. Whether the amount imposed will be a substantial  
12 economic deterrent to the violation.

13 b. The circumstances leading to the violation.

14 c. The severity of the violation and the risk of harm to  
15 the public.

16 d. The economic benefits gained by the violator as a  
17 result of noncompliance.

18 e. The interest of the public.

19 4. Before issuing an order under this section, the board  
20 shall provide the person written notice and the opportunity to  
21 request a hearing on the record. The hearing must be  
22 requested within thirty days of the issuance of the notice and  
23 shall be conducted in the same manner as provided in section  
24 103.37.

25 5. The board, in connection with a proceeding under this  
26 section, may issue subpoenas to compel the attendance and  
27 testimony of witnesses and the disclosure of evidence, and may  
28 request the attorney general to bring an action to enforce the  
29 subpoena.

30 6. A person aggrieved by the imposition of a civil penalty  
31 under this section may seek judicial review in accordance with  
32 section 17A.19.

33 7. If a person fails to pay a civil penalty within thirty  
34 days after entry of an order under subsection 1, or if the  
35 order is stayed pending an appeal within ten days after the

1 court enters a final judgment in favor of the board, the board  
2 shall notify the attorney general. The attorney general may  
3 commence an action to recover the amount of the penalty,  
4 including reasonable attorney fees and costs.

5 8. An action to enforce an order under this section may be  
6 joined with an action for an injunction.

7 Sec. 41. EFFECTIVE DATES. Sections 1 through 5, section  
8 6, subsections 1 and 6, and section 17, being deemed of  
9 immediate importance, take effect upon enactment. Sections 23  
10 through 35 of this Act take effect January 1, 2008. The  
11 remaining sections and subsections of this Act take effect  
12 January 1, 2007.

13

#### EXPLANATION

14 This bill provides for a statewide system of licensure for  
15 electricians and life safety installers, provisions regarding  
16 electrical inspections, and specifies related licensing and  
17 inspection fees. The new statewide licensure system  
18 supplements current licensure of electricians on a city-by-  
19 city basis, permitting electricians to practice on a  
20 statewide, as well as local, basis.

21 The bill provides for the creation of a 10-member  
22 electrical examining board within the state fire marshal  
23 division of the department of public safety.

24 The bill establishes several powers and duties relating to  
25 the activities of the board. The board shall be authorized to  
26 adopt rules to administer the chapter, and in so doing shall  
27 be governed by the minimum standards set forth in the national  
28 electrical code issued and adopted by the national fire  
29 protection association. The rules shall establish wiring  
30 standards that protect public safety and health and property  
31 and that apply to all electrical wiring installed pursuant to  
32 the chapter. Additional powers and duties of the board  
33 include the ability to revoke, suspend, or refuse to renew any  
34 license under specified circumstances, to order disconnection  
35 of power to any electrical installation that is proximately

1 dangerous to health and property, to remove electrical wiring  
2 and apparatus from premises when such wiring and apparatus is  
3 proximately dangerous to health and property, to investigate  
4 any death by electrocution that occurs within the state, to  
5 adopt rules for continuing education requirements, and to  
6 specify fee levels and collection procedures.

7 The bill creates an electrician and installer licensing and  
8 inspection fund in the state treasury as a separate fund under  
9 the control of the board. The bill provides that all  
10 licensing, registration, examination, renewal, and inspection  
11 fees deposited or paid into the fund are appropriated and made  
12 available to the board, and that the balance shall not revert  
13 to the general fund.

14 The bill provides that in order to, for another, plan, lay  
15 out, or supervise the installation of electrical wiring,  
16 apparatus, or equipment for light, heat, or power, an  
17 individual must be licensed by the board as an electrical  
18 contractor, a class A master electrician, or a class B master  
19 electrician, as defined in the bill. The bill provides that  
20 an applicant for an electrical contractor license shall be a  
21 licensed class A or class B master electrician, and be  
22 registered with the state of Iowa as a contractor.

23 The bill provides that an applicant for a class A master  
24 electrician license shall have at least one year's experience,  
25 acceptable to the board, as a licensed class A or class B  
26 journeyman electrician, and obtain a score of at least 75  
27 percent on an examination prescribed and administered by the  
28 board. An applicant who establishes that they have been  
29 working in the electrical business and involved in planning  
30 for, laying out, supervising, and installing electrical  
31 wiring, apparatus, or equipment for light, heat, and power  
32 prior to 1990 may be granted a class B master electrician  
33 license without being tested, valid unless a political  
34 subdivision establishes standards not permitting such work by  
35 a class B master electrician. Additionally, the bill states

1 that a person licensed to plan, lay out, or supervise the  
2 installation of electrical wiring, apparatus, or equipment for  
3 light, heat, power, and other purposes by a political  
4 subdivision preceding the applicable section of the bill's  
5 effective date pursuant to a supervised written examination  
6 and who is currently engaged in the electrical contracting  
7 industry, shall be issued an applicable corresponding  
8 statewide license corresponding, with the board adopting by  
9 rule criteria for political subdivision examination standards.

10 The bill provides that a person shall not, for another,  
11 wire for or install electrical wiring, apparatus, or  
12 equipment, or supervise an apprentice electrician or  
13 unclassified person, unless licensed by the board as an  
14 electrical contractor, a class A master electrician, a class B  
15 master electrician, or a life safety installer, or is licensed  
16 as a class A or B journeyman electrician or life safety  
17 installer and employed by an electrical contractor, class A or  
18 B master electrician, or a life safety installer as defined in  
19 the bill.

20 The bill provides that an applicant for a class A  
21 journeyman electrician license shall have successfully  
22 completed an apprenticeship training program and have obtained  
23 a score of at least 75 percent on an examination prescribed  
24 and administered by the board. An applicant who can provide  
25 proof that they have been employed as a journeyman electrician  
26 since 1990 can be granted a class B journeyman electrician  
27 license without being tested subject to political subdivision  
28 restrictions similar to those applicable for class B master  
29 electricians. The bill provides that a person licensed to  
30 wire for or install electrical wiring, electrical apparatus,  
31 or electrical equipment or supervise an apprentice electrician  
32 by a political subdivision preceding the applicable section of  
33 the bill's effective date pursuant to a supervised written  
34 examination, and who is currently engaged in the electrical  
35 contracting industry with at least four years' experience,

1 shall be issued an applicable corresponding statewide license,  
2 with the board adopting rules for criteria for city  
3 examination standards.

4 The bill provides for a special electrician license  
5 authorizing the licensee to engage in a limited class or  
6 classes of electrical work. Additionally, the bill provides  
7 for the licensing of a life safety installer. The bill  
8 provides that a person authorized to plan, lay out, or install  
9 electrical wiring, electrical apparatus, and electrical  
10 equipment for components of life safety systems that operate  
11 at 50 volts or less by a political subdivision on the  
12 applicable section of the bill's effective date shall be  
13 issued an applicable statewide license corresponding to that  
14 authorization, and that on or after the bill's effective date,  
15 a person licensed as a life safety installer to plan, lay out,  
16 and install electrical wiring, electrical apparatus, and  
17 electrical equipment for components of life safety systems  
18 shall have at least two years' experience, acceptable to the  
19 board, in planning, laying out, and installing life safety  
20 systems. Additionally, the bill specifies that an applicant  
21 for a life safety installer license shall obtain a score of at  
22 least 75 percent on an examination prescribed and administered  
23 by the board. The bill provides that a person licensed as a  
24 class A or class B master electrician, or a class A or class B  
25 journeyman electrician, who has not successfully passed the  
26 examination shall be authorized to install electrical wiring,  
27 apparatus, and equipment for components of life safety systems  
28 if their work is approved by a person who is licensed as a  
29 life safety installer.

30 The bill additionally includes provisions pertaining to  
31 apprentice electricians and unclassified persons employed by  
32 licensees. The bill provides that a person shall be licensed  
33 to work as an apprentice electrician while participating in an  
34 apprenticeship training program, and that a person is eligible  
35 as an apprentice electrician for only one apprenticeship,

1 which shall be limited to six years from the date of licensure  
2 unless extended for hardship. A person shall be licensed as  
3 an unclassified person to perform electrical work if the work  
4 is performed under the personal supervision of a person  
5 actually licensed to perform such work and the licensed and  
6 unclassified persons are employed by the same employer. The  
7 bill provides that apprentice electricians and unclassified  
8 persons shall do no electrical wiring except under the direct  
9 personal on-the-job supervision and control in specified  
10 ratios in the immediate presence of a licensee pursuant to the  
11 bill. The bill provides that an unlicensed unclassified  
12 person must obtain licensure as an unclassified person within  
13 100 days of employment.

14 The bill specifies the types of licensing examinations and  
15 specifies examination frequencies and procedures. The bill  
16 provides a criminal penalty of a simple misdemeanor for a  
17 board member who discloses listed confidential information  
18 relating to applicants and examinations.

19 The bill provides that licenses pursuant to the bill's  
20 provisions shall expire every three years, and specifies  
21 examination, issuance, and renewal fees for the various  
22 classifications of licensure. The bill also provides that to  
23 renew a license, the licensee shall be required to complete 18  
24 contact hours of continuing education courses approved by the  
25 board per three-year period of licensure. The contact hours  
26 shall include a minimum of six contact hours studying the  
27 national electrical code.

28 The bill provides for the continuation of business by a  
29 licensee by a representative for a period of six months  
30 following the licensee's death, and provides for reciprocity  
31 and temporary licensure. The bill contains a chapter  
32 inapplicability section, including inapplicability to a person  
33 licensed as an engineer or architect providing consultations  
34 and developing plans concerning electrical installations while  
35 exclusively engaged in the practice of their profession, and

1 employees of specified entities while acting within the scope  
2 of their employment. The bill provides that persons who hold  
3 a valid license issued by any political subdivision are not  
4 required to obtain state licensure, so long as they make  
5 electrical installations only in the jurisdictional limits of  
6 that political subdivision and the license issued by the  
7 political subdivision meets the requirements of the bill.  
8 Further, the bill's provisions shall not apply to vertical  
9 transportation or passenger conveyors, elevators, moving  
10 walks, dumbwaiters, stagelifts, manlifts, or appurtenances,  
11 shall not require a license of any person who engages any  
12 electrical appliance where approved electrical outlets are  
13 already installed, prohibit an owner of property from  
14 performing work on the owner's principal residence under  
15 specified circumstances, or require that any person be a  
16 member of a labor union in order to be licensed.

17 The bill specifies inspection procedures and requirements  
18 applicable to all new electrical installations for commercial  
19 or industrial applications, including installations both  
20 inside and outside of buildings, and for public use buildings  
21 and facilities and any installation at the request of the  
22 owner, all new electrical installations for residential  
23 applications in excess of single-family residential  
24 applications, all new electrical installations for single-  
25 family residential applications requiring new electrical  
26 service equipment, and existing electrical installations  
27 observed during inspection which constitute an electrical  
28 hazard, with the caveat that existing installations shall not  
29 be deemed to constitute an electrical hazard if the wiring  
30 when originally installed was installed in accordance with the  
31 electrical code in force at the time of installation and has  
32 been maintained in that condition.

33 The bill provides that state inspection shall not apply  
34 within the jurisdiction of any political subdivision which  
35 provides by resolution or ordinance standards of electrical

1 wiring and its installation that are not less than those  
2 prescribed by the board or by the Code chapter established by  
3 the bill and which further provides by resolution or ordinance  
4 for the inspection of electrical installations within the  
5 limits of such subdivision by a certified electrical  
6 inspector. The bill provides that only the holder of an  
7 electrical inspector's certificate of qualification shall be  
8 appointed to act as electrical inspector, and provides that  
9 the board shall establish by rule standards for the  
10 certification and decertification of state electrical  
11 inspectors, and certified electrical inspector continuing  
12 education requirements.

13 The bill specifies procedures relating to a request for  
14 inspection at or before commencement of any installation  
15 required to be inspected, and provides penalties for the  
16 failure to do so. The bill provides that if an inspector  
17 finds that any installation or portion of an installation is  
18 not in compliance with accepted standards of construction for  
19 safety to health and property, the inspector may issue written  
20 condemnation orders, or orders for disconnection, with the  
21 immediacy of such orders and opportunities to remedy the  
22 noncompliance varying with the extent to which the  
23 noncompliance is found to be a serious and proximate danger to  
24 human health and property. The bill provides that before an  
25 electrical installation subject to inspection is either newly  
26 connected or reconnected, there must be filed with the  
27 electrical utility supplying power a certificate of the  
28 property owner or licensed electrician directing the work that  
29 inspection has been requested and that the conditions of the  
30 installation are safe for energization. The bill provides  
31 that when an order of condemnation or disconnection has been  
32 issued, prior to connection or reconnection there shall first  
33 be filed with the electrical utility supplying the power a  
34 copy of an order of the inspector or the board dismissing the  
35 prior order.

1 The bill provides that all political subdivisions  
2 performing electrical inspections prior to December 31, 2006,  
3 shall continue performing them; that if the board finds that a  
4 political subdivision's inspections are not adequate, the  
5 board may revoke the political subdivision's authority to  
6 perform its own inspections; and that a political subdivision  
7 not performing electrical inspections prior to December 31,  
8 2006, may make provision for inspection of electrical  
9 installations within its jurisdiction. The bill provides that  
10 a political subdivision that performs electrical inspections  
11 may set appropriate permit fees, and that a political  
12 subdivision shall not require payment of any license fee or  
13 the taking of any examination if a person holds a current  
14 license issued by the board which is of a classification equal  
15 to or greater than the classification needed to do the work  
16 proposed. However, a political subdivision may require the  
17 filing of a copy of the current license issued by the board or  
18 such other evidence of such license.

19 The bill specifies instances where inspections shall not be  
20 required, specifies state inspection procedures, establishes  
21 inspection and reinspection fees, and provides that such fees  
22 shall not apply within the jurisdiction of any political  
23 subdivision if the political subdivision has adopted an  
24 ordinance or resolution as previously explained regarding  
25 conducting its own inspections.

26 The bill provides for an appeal process, and provides  
27 suspension, revocation, reprimand, and penalty provisions.

28 Provisions of the bill relating primarily to definitions  
29 and the establishment of the electrician examining board take  
30 effect upon enactment. Provisions relating primarily to  
31 establishing the various categories of licensure take effect  
32 January 1, 2007. Provisions relating primarily to inspections  
33 take effect January 1, 2008.

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