

HB 1590 - H AMD 742

By Representative Reykdal

WITHDRAWN 02/16/2016

1 Strike everything after the enacting clause and insert the
2 following:

3

4 **"Sec. 1.** RCW 19.28.161 and 2013 c 23 s 29 are each amended to
5 read as follows:

6 (1) No person may engage in the electrical construction trade
7 without having a valid master journey level electrician certificate
8 of competency, journey level electrician certificate of competency,
9 master specialty electrician certificate of competency, or specialty
10 electrician certificate of competency issued by the department in
11 accordance with this chapter. Electrician certificate of competency
12 specialties include, but are not limited to: Residential, pump and
13 irrigation, limited energy system, signs, nonresidential
14 maintenance, restricted nonresidential maintenance, and appliance
15 repair. (~~Until July 1, 2007, the department of labor and industries
16 shall issue a written warning to any specialty pump and irrigation
17 or domestic pump electrician not having a valid electrician
18 certification. The warning will state that the individual must apply
19 for an electrical training certificate or be qualified for and apply
20 for electrician certification under the requirements in RCW
21 19.28.191(1)(g) within thirty calendar days of the warning. Only one
22 warning will be issued to any individual. If the individual fails to
23 comply with this section, the department shall issue a penalty as
24 defined in RCW 19.28.271 to the individual.~~)

25 (2)(a) A person who is (~~indentured~~): (i) Registered in an
26 apprenticeship program approved under chapter 49.04 RCW for the
27 electrical construction trade (~~or who is~~); (ii) learning the

1 electrical construction trade while working in a specialty other
2 than residential; or (iii) learning the electrical construction
3 trade in a program described in RCW 19.28.191(1) (f) or (g) for a
4 journey level or residential specialty certificate of competency may
5 work in the electrical construction trade if supervised by a
6 certified master journey level electrician, journey level
7 electrician, master specialty electrician in that electrician's
8 specialty, or specialty electrician in that electrician's specialty.

9 (b) All apprentices and individuals learning the electrical
10 construction trade shall obtain an electrical training certificate
11 from the department. The certificate shall authorize the holder to
12 learn the electrical construction trade while under the direct
13 supervision of a master journey level electrician, journey level
14 electrician, master specialty electrician working in that
15 electrician's specialty, or specialty electrician working in that
16 electrician's specialty. The certificate may include a photograph of
17 the holder. The holder of the electrical training certificate shall
18 renew the certificate biennially. At the time of renewal, the holder
19 shall provide the department with an accurate list of the holder's
20 employers in the electrical construction industry for the previous
21 biennial period and the number of hours worked for each employer.
22 The holder shall also provide proof of ~~((sixteen))~~forty-eight hours
23 of: Approved classroom training covering this chapter, the national
24 electrical code, or electrical theory; or equivalent classroom
25 training taken as part of an approved apprenticeship program under
26 chapter 49.04 RCW or an approved electrical training program under
27 RCW 19.28.191(1)~~((h))~~(f). ~~((The number of hours of approved~~
28 ~~classroom training required for certificate renewal shall increase~~
29 ~~as follows: (a) Beginning on July 1, 2011, the holder of an~~
30 ~~electrical training certificate shall provide the department with~~
31 ~~proof of thirty-two hours of approved classroom training; and (b)~~
32 ~~beginning on July 1, 2013, the holder of an electrical training~~
33 ~~certificate shall provide the department with proof of))~~ forty-eight
34 hours of approved classroom training. ~~((At the request of the chairs~~

1 ~~of the house of representatives commerce and labor committee and the~~
2 ~~senate labor, commerce and consumer protection committee, or their~~
3 ~~successor committees, the department of labor and industries shall~~
4 ~~provide information on the implementation of the new classroom~~
5 ~~training requirements for electrical trainees to both committees by~~
6 ~~December 1, 2012.~~) A biennial fee shall be charged for the issuance
7 or renewal of the certificate. The department shall set the fee by
8 rule. The fee shall cover but not exceed the cost of administering
9 and enforcing the trainee certification and supervision requirements
10 of this chapter.

11 (c)(i) Apprentices and individuals learning the electrical
12 construction trade shall have their electrical training certificates
13 in their possession at all times that they are performing electrical
14 work. They shall show their certificates to an authorized
15 representative of the department at the representative's request.

16 (ii) Apprentices and individuals learning the electrical
17 construction trade must also have in their possession proof of
18 apprenticeship or training program registration. They shall show
19 their apprenticeship or training program registration documents to
20 an authorized representative of the department at the
21 representative's request. This subsection (2)(c)(ii) does not apply
22 to individuals working in a specialty other than residential.

23 (3) Any person who has been issued an electrical training
24 certificate under this chapter may work: (a) If that person is under
25 supervision, and (b) unless working in a specialty other than
26 residential, is: (i) Registered in an approved journey level or
27 residential specialty apprenticeship program, as appropriate; or
28 (ii) is learning the electrical construction trade in a program
29 described in RCW 19.28.191(1) (f) or (g) for a journey level or
30 residential specialty certificate of competency. Supervision shall
31 consist of a person being on the same job site and under the control
32 of either a certified master journey level electrician, journey
33 level electrician, master specialty electrician working in that
34 electrician's specialty, or specialty electrician working in that

1 electrician's specialty. Either a certified master journey level
2 electrician, journey level electrician, master specialty electrician
3 working in that electrician's specialty, or specialty electrician
4 working in that electrician's specialty shall be on the same job
5 site as the noncertified individual for a minimum of seventy-five
6 percent of each working day unless otherwise provided in this
7 chapter.

8 (4) The ratio of noncertified individuals to certified master
9 journey level electricians, journey level electricians, master
10 specialty electricians, or specialty electricians on any one job
11 site is as follows:

12 (a) When working as a specialty electrician, not more than two
13 noncertified individuals for every certified master specialty
14 electrician working in that electrician's specialty, specialty
15 electrician working in that electrician's specialty, master journey
16 level electrician, or journey level electrician, except that the
17 ratio requirements are one certified master specialty electrician
18 working in that electrician's specialty, specialty electrician
19 working in that electrician's specialty, master journey level
20 electrician, or journey level electrician working as a specialty
21 electrician to no more than four students enrolled in and working as
22 part of an electrical construction program at public community or
23 technical colleges, or not-for-profit nationally accredited trade or
24 technical schools licensed by the workforce training and education
25 coordinating board under chapter 28C.10 RCW. In meeting the ratio
26 requirements for students enrolled in an electrical construction
27 program at a trade school, a trade school may receive input and
28 advice from the electrical board; and

29 (b) When working as a journey level electrician, not more than
30 one noncertified individual for every certified master journey level
31 electrician or journey level electrician, except that the ratio
32 requirements shall be one certified master journey level electrician
33 or journey level electrician to no more than four students enrolled
34 in and working as part of an electrical construction program at

1 public community or technical colleges, or not-for-profit nationally
2 accredited trade or technical schools licensed by the workforce
3 training and education coordinating board under chapter 28C.10 RCW.
4 In meeting the ratio requirements for students enrolled in an
5 electrical construction program at a trade school, a trade school
6 may receive input and advice from the electrical board.

7 An individual who has a current training certificate and who has
8 successfully completed or is currently enrolled in an approved
9 apprenticeship program or in an electrical construction program at
10 public community or technical colleges, or not-for-profit nationally
11 accredited technical or trade schools licensed by the workforce
12 training and education coordinating board under chapter 28C.10 RCW,
13 may work without direct on-site supervision during the last six
14 months of meeting the practical experience requirements of this
15 chapter.

16 (5) For the residential (as specified in WAC 296-46B-920(2)(a)),
17 pump and irrigation (as specified in WAC 296-46B-920(2)(b)), sign
18 (as specified in WAC 296-46B-920(2)(d)), limited energy (as
19 specified in WAC 296-46B-920(2)(e)), nonresidential maintenance (as
20 specified in WAC 296-46B-920(2)(g)), restricted nonresidential
21 maintenance as determined by the department in rule, or other new
22 nonresidential specialties, not including appliance repair, as
23 determined by the department in rule, either a master journey level
24 electrician, journey level electrician, master specialty electrician
25 working in that electrician's specialty, or specialty electrician
26 working in that electrician's specialty must be on the same job site
27 as the noncertified individual for a minimum of seventy-five percent
28 of each working day. Other specialties must meet the requirements
29 specified in RCW 19.28.191(1)(~~(g)~~)(d)(ii). When the ratio of
30 certified electricians to noncertified individuals on a job site is
31 one certified electrician to three or four noncertified individuals,
32 the certified electrician must:

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1 (a) Directly supervise and instruct the noncertified individuals
2 and the certified electrician may not directly make or engage in an
3 electrical installation; and

4 (b) Be on the same job site as the noncertified individual for a
5 minimum of one hundred percent of each working day.

6 (6) The electrical contractor shall accurately verify and attest
7 to the electrical trainee hours worked by electrical trainees on
8 behalf of the electrical contractor.

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10 **Sec. 2.** RCW 19.28.191 and 2014 c 156 s 2 are each amended to
11 read as follows:

12 (1) Upon receipt of the application, the department shall review
13 the application and determine whether the applicant is eligible to
14 take an examination for the master journey level electrician,
15 journey level electrician, master specialty electrician, or
16 specialty electrician certificate of competency.

17 ~~(a) ((Before July 1, 2005, an applicant who possesses a valid
18 journey level electrician certificate of competency in effect for
19 the previous four years and a valid general administrator's
20 certificate may apply for a master journey level electrician
21 certificate of competency without examination.~~

22 ~~(b) Before July 1, 2005, an applicant who possesses a valid
23 specialty electrician certificate of competency, in the specialty
24 applied for, for the previous two years and a valid specialty
25 administrator's certificate, in the specialty applied for, may apply
26 for a master specialty electrician certificate of competency without
27 examination.~~

28 ~~(c) Before December 1, 2003, the following persons may obtain an
29 equipment repair specialty electrician certificate of competency
30 without examination:~~

31 ~~(i) A person who has successfully completed an apprenticeship
32 program approved under chapter 49.04 RCW for the machinist trade;
33 and~~

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1 ~~(ii) A person who provides evidence in a form prescribed by the~~
2 ~~department affirming that: (A) He or she was employed as of April 1,~~
3 ~~2003, by a factory authorized equipment dealer or service company;~~
4 ~~and (B) he or she has worked in equipment repair for a minimum of~~
5 ~~four thousand hours.~~

6 ~~(d))~~ To be eligible to take the examination for a master
7 journey level electrician certificate of competency, the applicant
8 must have possessed a valid journey level electrician certificate of
9 competency for four years.

10 ~~((e))~~ (b) To be eligible to take the examination for a master
11 specialty electrician certificate of competency, the applicant must
12 have possessed a valid specialty electrician certificate of
13 competency, in the specialty applied for, for two years.

14 ~~((f))~~ (c) To be eligible to take the examination for a journey
15 level certificate of competency, the applicant must have ~~((~~
16 ~~+~~~~i))~~ successfully completed an apprenticeship program approved
17 under chapter 49.04 RCW for the electrical construction trade in
18 which the applicant worked in the electrical construction trade for
19 a minimum of eight thousand hours ~~((, of which))~~. Four thousand of
20 the hours shall be in industrial or commercial electrical
21 installation under the supervision of a master journey level
22 electrician or journey level electrician and not more than a total
23 of four thousand hours in all specialties under the supervision of a
24 master journey level electrician, journey level electrician, master
25 specialty electrician working in that electrician's specialty, or
26 specialty electrician working in that electrician's specialty.
27 Specialty electricians with less than a four thousand hour work
28 experience requirement cannot credit the time required to obtain
29 that specialty towards qualifying to become a journey level
30 electrician ~~((~~~~+~~~~or~~

31 ~~(ii) Successfully completed an apprenticeship program approved~~
32 ~~under chapter 49.04 RCW for the electrical construction trade))~~.

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1 ~~((g)(i))~~(d) To be eligible to take the examination for
2 ~~((a))~~the following specialty electrician certificates of competency,
3 the applicant must have:

4 ~~((A))~~(i) Worked in the ~~((residential (as specified in WAC 296-~~
5 ~~46B-920(2)(a))~~) pump and irrigation (as specified in WAC 296-46B-
6 920(2)(b)), sign (as specified in WAC 296-46B-920(2)(d)), limited
7 energy (as specified in WAC 296-46B-920(2)(e)), nonresidential
8 maintenance (as specified in WAC 296-46B-920(2)(g)), or other new
9 nonresidential specialties as determined by the department in rule
10 under the supervision of a master journey level electrician, journey
11 level electrician, master specialty electrician working in that
12 electrician's specialty, or specialty electrician working in that
13 electrician's specialty for a minimum of four thousand hours;

14 ~~((B))~~(i) Worked in the appliance repair specialty as
15 determined by the department in rule, restricted nonresidential
16 maintenance as determined by the department in rule, the equipment
17 repair specialty as determined by the department in rule, the pump
18 and irrigation specialty other than as defined by
19 ~~((g))~~(d)(i)~~((A))~~ of this subsection or domestic pump specialty
20 as determined by the department in rule, or a specialty other than
21 the designated specialties in ~~((g))~~(d)(i)~~((A))~~ of this
22 subsection for a minimum of the initial ninety days, or longer if
23 set by rule by the department. The restricted nonresidential
24 maintenance specialty is limited to a maximum of 277 volts and 20
25 amperes for lighting branch circuits and/or a maximum of 250 volts
26 and 60 amperes for other circuits, but excludes the replacement or
27 repair of circuit breakers. The initial period must be spent under
28 one hundred percent supervision of a master journey level
29 electrician, journey level electrician, master specialty electrician
30 working in that electrician's specialty, or specialty electrician
31 working in that electrician's specialty. After this initial period,
32 a person may take the specialty examination. If the person passes
33 the examination, the person may work unsupervised for the balance of
34 the minimum hours required for certification. A person may not be

1 certified as a specialty electrician in the appliance repair
2 specialty or in a specialty other than the designated specialties in
3 ~~((g))~~(d)(i)~~((A))~~ of this subsection, however, until the person
4 has worked a minimum of two thousand hours in that specialty, or
5 longer if set by rule by the department; ~~((e~~
6 ~~(c))~~(iii) Successfully completed an approved apprenticeship
7 program under chapter 49.04 RCW for the applicant's specialty in the
8 electrical construction trade~~((r))~~; or
9 ~~((ii))~~(iv) In meeting the training requirements for the pump
10 and irrigation or domestic pump specialties, the individual shall be
11 allowed to obtain the experience required by this section at the
12 same time the individual is meeting the experience required by RCW
13 18.106.040(1)(c). After meeting the training requirements provided
14 in this section, the individual may take the examination and upon
15 passing the examination, meeting additional training requirements as
16 may still be required for those seeking a pump and irrigation, or a
17 domestic pump specialty certificate as defined by rule, and paying
18 the applicable fees, the individual must be issued the appropriate
19 certificate. The department may include an examination for specialty
20 plumbing certificate defined in RCW 18.106.010(10)(c) with the
21 examination required by this section. The department, by rule and in
22 consultation with the electrical board, may establish additional
23 equivalent ways to gain the experience requirements required by this
24 subsection. Individuals who are able to provide evidence to the
25 department, prior to January 1, 2007, that they have been employed
26 as a pump installer in the pump and irrigation or domestic pump
27 business by an appropriately licensed electrical contractor,
28 registered general contractor defined by chapter 18.27 RCW, or
29 appropriate general specialty contractor defined by chapter 18.27
30 RCW for not less than eight thousand hours in the most recent six
31 calendar years shall be issued the appropriate certificate by the
32 department upon receiving such documentation and applicable fees.
33 The department shall establish a single document for those who have
34 received both an electrical specialty certification as defined by

1 this subsection and have also met the certification requirements for
2 the specialty plumber as defined by RCW 18.106.010(10)(c), showing
3 that the individual has received both certifications. No other
4 experience or training requirements may be imposed.

5 ~~((iii) Before July 1, 2015, an applicant possessing an
6 electrical training certificate issued by the department is eligible
7 to apply one hour of every two hours of unsupervised
8 telecommunications system installation work experience toward
9 eligibility for examination for a limited energy system certificate
10 of competency (as specified in WAC 296-46B-920(2)(e)), if:~~

11 ~~(A) The telecommunications work experience was obtained while
12 employed by a contractor licensed under this chapter as a general
13 electrical contractor (as specified in WAC 296-46B-920(1)) or
14 limited energy system specialty contractor (as specified in WAC 296-
15 46B-920(2)(e)); and~~

16 ~~(B) Evidence of the telecommunications work experience is
17 submitted in the form of an affidavit prescribed by the department.~~

18 ~~(h))~~ (e) To be eligible to take the examination for a
19 residential (as specified in WAC 296-46B-920(2)(a)) specialty
20 electrician certificate of competency, the applicant must have
21 successfully completed an approved apprenticeship program under
22 chapter 49.04 RCW for the residential specialty electrical
23 construction trade in which the applicant worked under the
24 supervision of a master journey level electrician, journey level
25 electrician, master residential specialty electrician, or
26 residential specialty electrician working for a minimum of four
27 thousand hours.

28 (f) Any applicant for a journey level electrician certificate of
29 competency who has successfully completed a two-year program in the
30 electrical construction trade at public community or technical
31 colleges, or not-for-profit nationally accredited technical or trade
32 schools licensed by the workforce training and education
33 coordinating board under chapter 28C.10 RCW, may substitute up to
34 two years of the technical or trade school program for two years of

1 work experience under a master journey level electrician or journey
2 level electrician required under the apprenticeship program. The
3 applicant shall obtain the additional two years of work experience
4 required in industrial or commercial electrical installation prior
5 to the beginning, or after the completion, of the technical school
6 program. Any applicant who has received training in the electrical
7 construction trade in the armed service of the United States may be
8 eligible to apply armed service work experience towards
9 qualification to complete an apprenticeship and take the examination
10 for the journey level electrician certificate of competency.

11 ~~((+i))~~(g) An applicant for a specialty electrician certificate
12 of competency who ~~(, after January 1, 2000,)~~ has successfully
13 completed a two-year program in the electrical construction trade at
14 a public community or technical college, or a not-for-profit
15 nationally accredited technical or trade school licensed by the
16 workforce training and education coordinating board under chapter
17 28C.10 RCW, may substitute up to one year of the technical or trade
18 school program for one year of work experience under a master
19 journey level electrician, journey level electrician, master
20 specialty electrician working in that electrician's specialty, or
21 specialty electrician working in that electrician's specialty. Any
22 applicant who has received training in the electrical construction
23 trade in the armed services of the United States may be eligible to
24 apply armed service work experience towards qualification to take
25 the examination for an appropriate specialty electrician certificate
26 of competency. An applicant for a residential specialty certificate
27 of competency may substitute work experience under this section only
28 as part of an apprenticeship program.

29 ~~((+j))~~(h) The department must determine whether hours of
30 training and experience in the armed services or school program are
31 in the electrical construction trade and appropriate as a substitute
32 for hours of work experience. The department must use the following
33 criteria for evaluating the equivalence of classroom electrical
34 training programs and work in the electrical construction trade:

1 (i) A two-year electrical training program must consist of three
2 thousand or more hours.

3 (ii) In a two-year electrical training program, a minimum of two
4 thousand four hundred hours of student/instructor contact time must
5 be technical electrical instruction directly related to the scope of
6 work of the electrical specialty. Student/instructor contact time
7 includes lecture and in-school lab.

8 (iii) The department may not allow credit for a program that
9 accepts more than one thousand hours transferred from another
10 school's program.

11 (iv) Electrical specialty training school programs of less than
12 two years will have all of the above student/instructor contact time
13 hours proportionately reduced. Such programs may not apply to more
14 than fifty percent of the work experience required to attain
15 certification.

16 (v) Electrical training programs of less than two years may not
17 be credited towards qualification for journey level electrician
18 unless the training program is used to gain qualification for a four
19 thousand hour electrical specialty.

20 ~~((k))~~(i) No other requirement for eligibility may be imposed.

21 (2) The department shall establish reasonable rules for the
22 examinations to be given applicants for certificates of competency.
23 In establishing the rules, the department shall consult with the
24 board. Upon determination that the applicant is eligible to take the
25 examination, the department shall so notify the applicant,
26 indicating the time and place for taking the examination.

27 (3) No noncertified individual may work unsupervised more than
28 one year beyond the date when the trainee would be eligible to test
29 for a certificate of competency if working on a full-time basis
30 after original application for the trainee certificate. For the
31 purposes of this section, "full-time basis" means two thousand
32 hours.

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1 **Sec. 3.** RCW 19.28.205 and 2013 c 23 s 32 are each amended to
2 read as follows:

3 (1) An applicant for a journey level certificate of competency
4 under RCW 19.28.191(1)((~~f~~))(c) or a specialty electrician
5 certificate of competency under RCW 19.28.191(1)((~~g~~))(d) must
6 demonstrate to the satisfaction of the department completion of in-
7 class education as follows:

8 (a) Twenty-four hours of in-class education if two thousand
9 hours or more but less than four thousand hours of work are required
10 for the certificate;

11 (b) Forty-eight hours of in-class education if four thousand or
12 more but less than six thousand hours of work are required for the
13 certificate;

14 (c) Seventy-two hours of in-class education if six thousand or
15 more but less than eight thousand hours of work are required for the
16 certificate;

17 (d) Ninety-six hours of in-class education if eight thousand or
18 more hours of work are required for the certificate.

19 (2) For purposes of this section, "in-class education" means
20 approved classroom training covering this chapter, the national
21 electric code, or electrical theory; or equivalent classroom
22 training taken as part of an approved apprenticeship program under
23 chapter 49.04 RCW or an approved electrical training program under
24 RCW 19.28.191(1)((~~h~~))(f).

25 (3) Classroom training taken to qualify for trainee certificate
26 renewal under RCW 19.28.161 qualifies as in-class education under
27 this section.

28

29 NEW SECTION. **Sec. 4.** A new section is added to chapter 19.28
30 RCW to read as follows:

31 (1) The department may permit an applicant who obtained
32 experience and training equivalent to a journey level or residential
33 specialty apprenticeship program to take the examination if the
34 applicant establishes that the applicant has the equivalent training

1 and experience and demonstrates good cause for not completing the
2 required minimum hours of work under standards applicable on the
3 effective date of this section.

4 (2) This section expires July 1, 2023.

5

6 NEW SECTION. **Sec. 5.** Sections 1 through 4 of this act take
7 effect July 1, 2021.

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9 **Sec. 6.** RCW 19.28.191 and 2014 c 156 s 2 are each amended to
10 read as follows:

11 (1) Upon receipt of the application, the department shall review
12 the application and determine whether the applicant is eligible to
13 take an examination for the master journey level electrician,
14 journey level electrician, master specialty electrician, or
15 specialty electrician certificate of competency.

16 (a) Before July 1, 2005, an applicant who possesses a valid
17 journey level electrician certificate of competency in effect for
18 the previous four years and a valid general administrator's
19 certificate may apply for a master journey level electrician
20 certificate of competency without examination.

21 (b) Before July 1, 2005, an applicant who possesses a valid
22 specialty electrician certificate of competency, in the specialty
23 applied for, for the previous two years and a valid specialty
24 administrator's certificate, in the specialty applied for, may apply
25 for a master specialty electrician certificate of competency without
26 examination.

27 (c) Before December 1, 2003, the following persons may obtain an
28 equipment repair specialty electrician certificate of competency
29 without examination:

30 (i) A person who has successfully completed an apprenticeship
31 program approved under chapter 49.04 RCW for the machinist trade;
32 and

33 (ii) A person who provides evidence in a form prescribed by the
34 department affirming that: (A) He or she was employed as of April 1,

1 2003, by a factory-authorized equipment dealer or service company;
2 and (B) he or she has worked in equipment repair for a minimum of
3 four thousand hours.

4 (d) To be eligible to take the examination for a master journey
5 level electrician certificate of competency, the applicant must have
6 possessed a valid journey level electrician certificate of
7 competency for four years.

8 (e) To be eligible to take the examination for a master
9 specialty electrician certificate of competency, the applicant must
10 have possessed a valid specialty electrician certificate of
11 competency, in the specialty applied for, for two years.

12 (f) To be eligible to take the examination for a journey level
13 certificate of competency, the applicant must have:

14 (i) Worked in the electrical construction trade for a minimum of
15 eight thousand hours, of which four thousand hours shall be in
16 industrial or commercial electrical installation under the
17 supervision of a master journey level electrician or journey level
18 electrician and not more than a total of four thousand hours in all
19 specialties under the supervision of a master journey level
20 electrician, journey level electrician, master specialty electrician
21 working in that electrician's specialty, or specialty electrician
22 working in that electrician's specialty. Specialty electricians with
23 less than a four thousand hour work experience requirement cannot
24 credit the time required to obtain that specialty towards qualifying
25 to become a journey level electrician; or

26 (ii) Successfully completed an apprenticeship program approved
27 under chapter 49.04 RCW for the electrical construction trade.

28 (g)(i) To be eligible to take the examination for a specialty
29 electrician certificate of competency, the applicant must have:

30 (A) Worked in the residential (as specified in WAC 296-46B-
31 920(2)(a)), pump and irrigation (as specified in WAC 296-46B-
32 920(2)(b)), sign (as specified in WAC 296-46B-920(2)(d)), limited
33 energy (as specified in WAC 296-46B-920(2)(e)), nonresidential
34 maintenance (as specified in WAC 296-46B-920(2)(g)), or other new

1 nonresidential specialties as determined by the department in rule
2 under the supervision of a master journey level electrician, journey
3 level electrician, master specialty electrician working in that
4 electrician's specialty, or specialty electrician working in that
5 electrician's specialty for a minimum of four thousand hours;

6 (B) Worked in the appliance repair specialty as determined by
7 the department in rule, restricted nonresidential maintenance as
8 determined by the department in rule, the equipment repair specialty
9 as determined by the department in rule, the pump and irrigation
10 specialty other than as defined by (g)(i)(A) of this subsection or
11 domestic pump specialty as determined by the department in rule, or
12 a specialty other than the designated specialties in (g)(i)(A) of
13 this subsection for a minimum of the initial ninety days, or longer
14 if set by rule by the department. The restricted nonresidential
15 maintenance specialty is limited to a maximum of 277 volts and 20
16 amperes for lighting branch circuits and/or a maximum of 250 volts
17 and 60 amperes for other circuits, but excludes the replacement or
18 repair of circuit breakers. The initial period must be spent under
19 one hundred percent supervision of a master journey level
20 electrician, journey level electrician, master specialty electrician
21 working in that electrician's specialty, or specialty electrician
22 working in that electrician's specialty. After this initial period,
23 a person may take the specialty examination. If the person passes
24 the examination, the person may work unsupervised for the balance of
25 the minimum hours required for certification. A person may not be
26 certified as a specialty electrician in the appliance repair
27 specialty or in a specialty other than the designated specialties in
28 (g)(i)(A) of this subsection, however, until the person has worked a
29 minimum of two thousand hours in that specialty, or longer if set by
30 rule by the department; or

31 (C) Successfully completed an approved apprenticeship program
32 under chapter 49.04 RCW for the applicant's specialty in the
33 electrical construction trade.

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1 (ii) In meeting the training requirements for the pump and
2 irrigation or domestic pump specialties, the individual shall be
3 allowed to obtain the experience required by this section at the
4 same time the individual is meeting the experience required by RCW
5 18.106.040(1)(c). After meeting the training requirements provided
6 in this section, the individual may take the examination and upon
7 passing the examination, meeting additional training requirements as
8 may still be required for those seeking a pump and irrigation, or a
9 domestic pump specialty certificate as defined by rule, and paying
10 the applicable fees, the individual must be issued the appropriate
11 certificate. The department may include an examination for specialty
12 plumbing certificate defined in RCW 18.106.010(10)(c) with the
13 examination required by this section. The department, by rule and in
14 consultation with the electrical board, may establish additional
15 equivalent ways to gain the experience requirements required by this
16 subsection. Individuals who are able to provide evidence to the
17 department, prior to January 1, 2007, that they have been employed
18 as a pump installer in the pump and irrigation or domestic pump
19 business by an appropriately licensed electrical contractor,
20 registered general contractor defined by chapter 18.27 RCW, or
21 appropriate general specialty contractor defined by chapter 18.27
22 RCW for not less than eight thousand hours in the most recent six
23 calendar years shall be issued the appropriate certificate by the
24 department upon receiving such documentation and applicable fees.
25 The department shall establish a single document for those who have
26 received both an electrical specialty certification as defined by
27 this subsection and have also met the certification requirements for
28 the specialty plumber as defined by RCW 18.106.010(10)(c), showing
29 that the individual has received both certifications. No other
30 experience or training requirements may be imposed.

31 (iii) Before July 1, 2015, an applicant possessing an electrical
32 training certificate issued by the department is eligible to apply
33 one hour of every two hours of unsupervised telecommunications
34 system installation work experience toward eligibility for

1 examination for a limited energy system certificate of competency
2 (as specified in WAC 296-46B-920(2)(e)), if:

3 (A) The telecommunications work experience was obtained while
4 employed by a contractor licensed under this chapter as a general
5 electrical contractor (as specified in WAC 296-46B-920(1)) or
6 limited energy system specialty contractor (as specified in WAC 296-
7 46B-920(2)(e)); and

8 (B) Evidence of the telecommunications work experience is
9 submitted in the form of an affidavit prescribed by the department.

10 (iv)(A) Before January 1, 2019, an applicant possessing an
11 electrical training certificate issued by the department is eligible
12 to apply one hour of every two hours of unsupervised work experience
13 in the electrical trade toward eligibility for examination for a
14 limited energy certificate of competency (as specified in WAC 296-
15 46B-920(2)(e)), a HVAC/refrigeration systems certificate of
16 competency (as specified in WAC 296-46B-920(2)(f)(v)), or a
17 nonresidential maintenance certificate of competency (as specified
18 in WAC 296-46B-920(2)(g)) if:

19 (I) The work experience was obtained while employed by a school
20 district as defined in RCW 28A.315.025; and

21 (II) Evidence of the work experience is submitted in the form of
22 an affidavit prescribed by the department.

23 (B) An applicant under this subsection (1)(g)(iv) may apply for
24 more than one certificate of competency; however, each hour of work
25 experience may be applied toward eligibility for only one
26 certificate of competency.

27 (h) Any applicant for a journey level electrician certificate of
28 competency who has successfully completed a two-year program in the
29 electrical construction trade at public community or technical
30 colleges, or not-for-profit nationally accredited technical or trade
31 schools licensed by the workforce training and education
32 coordinating board under chapter 28C.10 RCW, may substitute up to
33 two years of the technical or trade school program for two years of
34 work experience under a master journey level electrician or journey

1 level electrician. The applicant shall obtain the additional two
2 years of work experience required in industrial or commercial
3 electrical installation prior to the beginning, or after the
4 completion, of the technical school program. Any applicant who has
5 received training in the electrical construction trade in the armed
6 service of the United States may be eligible to apply armed service
7 work experience towards qualification to take the examination for
8 the journey level electrician certificate of competency.

9 (i) An applicant for a specialty electrician certificate of
10 competency who, after January 1, 2000, has successfully completed a
11 two-year program in the electrical construction trade at a public
12 community or technical college, or a not-for-profit nationally
13 accredited technical or trade school licensed by the workforce
14 training and education coordinating board under chapter 28C.10 RCW,
15 may substitute up to one year of the technical or trade school
16 program for one year of work experience under a master journey level
17 electrician, journey level electrician, master specialty electrician
18 working in that electrician's specialty, or specialty electrician
19 working in that electrician's specialty. Any applicant who has
20 received training in the electrical construction trade in the armed
21 services of the United States may be eligible to apply armed service
22 work experience towards qualification to take the examination for an
23 appropriate specialty electrician certificate of competency.

24 (j) The department must determine whether hours of training and
25 experience in the armed services or school program are in the
26 electrical construction trade and appropriate as a substitute for
27 hours of work experience. The department must use the following
28 criteria for evaluating the equivalence of classroom electrical
29 training programs and work in the electrical construction trade:

30 (i) A two-year electrical training program must consist of three
31 thousand or more hours.

32 (ii) In a two-year electrical training program, a minimum of two
33 thousand four hundred hours of student/instructor contact time must
34 be technical electrical instruction directly related to the scope of

1 work of the electrical specialty. Student/instructor contact time
2 includes lecture and in-school lab.

3 (iii) The department may not allow credit for a program that
4 accepts more than one thousand hours transferred from another
5 school's program.

6 (iv) Electrical specialty training school programs of less than
7 two years will have all of the above student/instructor contact time
8 hours proportionately reduced. Such programs may not apply to more
9 than fifty percent of the work experience required to attain
10 certification.

11 (v) Electrical training programs of less than two years may not
12 be credited towards qualification for journey level electrician
13 unless the training program is used to gain qualification for a four
14 thousand hour electrical specialty.

15 (k) No other requirement for eligibility may be imposed.

16 (2) The department shall establish reasonable rules for the
17 examinations to be given applicants for certificates of competency.
18 In establishing the rules, the department shall consult with the
19 board. Upon determination that the applicant is eligible to take the
20 examination, the department shall so notify the applicant,
21 indicating the time and place for taking the examination.

22 (3) No noncertified individual may work unsupervised more than
23 one year beyond the date when the trainee would be eligible to test
24 for a certificate of competency if working on a full-time basis
25 after original application for the trainee certificate. For the
26 purposes of this section, "full-time basis" means two thousand
27 hours."

28

29

EFFECT: Changes dates by one year: completion of an
apprenticeship program would be required beginning July 1, 2021
rather than July 1, 2020, and the authority of the Department of
Labor and Industries to grant exceptions would expire on July 1,
2023 rather than July 1, 2022.

Adds provision that before January 1, 2019, an individual employed

by a school district may apply one hour for every two hours worked in the electrical trade toward taking the examination for the following specialty electrician certificates of competency: limited energy, HVAC/refrigeration systems, and nonresidential maintenance.

Makes technical change regarding placement of expiration clause.

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