

April 10, 2002

PROPOSED REGULATIONS

Proposed modifications to originally noticed regulation text. Changes are shown as follows: additions are in double underline, and deletions in double strikeout

CALIFORNIA ELECTRICIAN CERTIFICATION

PROGRAM

CALIFORNIA CODE OF REGULATIONS

TITLE 8, CHAPTER 2

PART IV

8CCR, Chapter 2, Division of Apprenticeship Standards

Proposed Regulations

Part IV. Electrician Certification

290.0 General

Scope and Application: Improper electrical connections can result in fire or other damage to property and can cause injury and death. Any individual may apply for certification showing that the individual possess the skill, knowledge and training to safely and competently make electrical connections of 100 volt-amperes or more in the course of doing work for an electrical contractor.

Note: Authority cited: Section 3099 Labor Code. References: Section 3099 Labor Code.

290.1 Definitions

(a). A General Electrician is one who performs work for an electrical contractor installing, constructing or maintaining any electrical system that is covered by the National Electric Code.

(b). A Residential Electrician is one who:

(1). performs work for an electrical contractor installing, constructing, or maintaining any electrical system that is covered by the National Electrical Code in single family homes and multi family units, including hotels and motels, ~~up to three stories above finished grade with both a single service rated at a maximum 600 amps, or in the case of dwellings with multi-services, 600 amps maximum per service, when required for a separate house panel (e.g., for elevators), where the primary occupancy of the building is considered residential and the~~ ~~and~~ maximum voltage received from a utility company is a 3 phase, 4 wire, 120/208 or 120/240 volts.

(2). is certified to install the required panel boards and feeders for commercial tenant space in a multi-family/multi-use occupancies falling under subsection (b)(1) above, where less than 50 percent of the first floor level is used for commercial tenant space, but is not certified to perform any tenant improvement for these spaces.

(3). does not perform work in occupancies that fall under the scope of Article 517 of the National Electrical Code.

(c). Voice Data Video Technician is one who performs work for an electrical contractor installing, constructing or maintaining any system that falls within the scope of National Electrical Code, Articles 725, 770 (non-composite cables only), 800 (non-hybrid cables only), 810 and 820. ~~A Voice Data Video Technician is not certified to install or construct any raceway systems, other than incidental conduit not to exceed 10 feet in length.~~

(d). Fire/Life Safety Technician is one who performs work for an electrical contractor involving the installation, construction or maintenance of systems as covered in Article 760 of the National Electrical Code. ~~The Fire/Life Safety Technician is not certified to install or construct any raceway systems, other than incidental conduit.~~

(e). Nonresidential Lighting Technician is one who performs work for an electrical contractor repairing, servicing and maintaining existing nonresidential lighting fixtures and installing retrofit upgrade fixtures. Such work does not include the installation of branch circuits or the alteration of existing branch circuits except a technician may reconnect to existing power within 3 feet.

(f). DAS is the Division of Apprenticeship Standards.

(g). Chief DAS is the Chief of the Division of Apprenticeship Standards.

(h). Director is the Director of Industrial Relations.

(i). ~~California Electrical Code is California Code of Regulations, Title 24, Part 3.~~ An Electrical Contractor is one who holds a C-10 license from the State Contractors License Board

j). National Electrical Code is the National Electrical Code 1999, National Fire Protection Association, Quincy, MA 02269.

Note: Authority cited: Section 3099 Labor Code. References: Section 3099 Labor Code.

291.0 Types of Certification

An applicant may apply for certification as a General Electrician, a Residential Electrician, a Voice Data Video Technician, a Fire/Life Safety Technician or a Nonresidential Lighting Technician.

291.1 Eligibility for Certification

(a). In order to be certified an applicant must have the required experience, as set forth herein, and pass a certification examination under Section 291.3. An applicant must provide proof of experience which may be done by showing:

(1). successful completion of an apprenticeship program approved by the California Apprenticeship Council, the federal Bureau of Apprenticeship Training, or a state apprenticeship council authorized by the federal Bureau of Apprenticeship Training to approve apprenticeship programs, in the classification for which certification is sought;
or

(2). on-the-job experience, as follows:

General Electrician: 8000 hours of work for an electrical contractor installing, constructing or maintaining electrical systems covered by the National Electrical Code. The 8000 hours must consist of work in one or more of the following areas, and the maximum number of hours in a particular area that may be counted toward the 8000 hour total are as follows:

Stock room and Material handling – 300 hours

Residential Wiring - 3000 hours

Commercial Wiring –6000 hours

Industrial Wiring –6000 hours

Voice Data and Video installation - 1500 hours

Underground Conduit installation –750 hours

Troubleshooting and Maintenance 1500 hours

Finish Work and fixtures 600 hours

Fire/Life Safety, Nurse call 600 hours

Residential Electrician: ~~5400~~ 4800 hours of work for an electrical contractor installing, constructing, or maintaining electrical systems covered by the National Electric Code.

The ~~5400~~ 4800 hours must consist of work in one or more of the following areas, and the maximum number of hours in a particular area that may be counted toward the ~~5400~~

4800 hour total are as follows:

Stock room and material handling – 300 hours

Residential Wiring - ~~5400~~ 4800 hours

Voice Data and Video installation –150 hours

Underground Conduit installation – 300 hours

Troubleshooting and Maintenance - 600 hours

Finish work and fixtures 600 hours

Fire/Life Safety 300 hours

Fire/Life Safety Technician: 4000 hours of work for an electrical contractor, ~~installing, constructing or maintaining any system that falls within the scope of National Electrical Code, Articles 725, 770 (non-composite cables only), 800 (non-hybrid cables only), 810~~

and 820, involving the installation, construction or maintenance of systems as covered in Article 760 of the National Electrical Code. The 4000 hours must consist of work in one or more of the following areas, and the maximum number of hours in a particular area that may be counted toward the 4000 hour total are as follows:

Stock room and material handling – 300 hours

Installations, including wire pulling, terminations, control panels devices and finish work – 4000 hours

Troubleshooting and Maintenance – 750 hours

Nurse Call systems - 3000 hours

Proprietary systems training related to Fire/Life Safety - 300 hours

Voice Data Video Technician: 4000 hours of work for an electrical contractor involving the installation, construction or maintenance of systems as covered in Article 760 of the National Electrical Code. installing, constructing or maintaining any system that falls within the scope of National Electrical Code, Articles 725, 770 (non-composite cables only), 800 (non-hybrid cables only), 810 and 820. The 4000 hours must consist of work in one or more of the following areas, and the maximum number of hours in a particular area that may be counted toward the 4000 hour total are as follows:

Stock room and material handling – 300 hours

Installations, including wire pulling, terminations, control panels devices and finish work – 4000 hours

Troubleshooting and Maintenance – 750 hours

Trade Specific training related to Voice, Data, Video - 300 hours

Nonresidential Lighting Technician: 2,000 hours of work installing, repairing and maintaining nonresidential lighting while employed by a contractor engaged in the business of nonresidential lighting maintenance and retrofit installations. The 2,000 hours must consist of work in one or more of the following areas, and the maximum number of hours in a particular area that may be counted towards the 2,000 hour total are as follows:

Stockroom and material handling 150 hours

Maintenance of lighting fixtures 1750 hours

Installation of retrofit fixtures 1500 hours

Trouble shooting and repairing 500 hours

(b). Where an applicant holds a license as an electrician in another state and it is determined by the Chief DAS that the requirements for experience to hold a license in that state are comparable to the requirements of Section 291.1(a) (1) and (2), the Chief may deem the applicant to have the required experience for certification.

(c). Where the applicant can show other experience, including military experience or relevant work for a low voltage systems contractor holding a C-7 license, the applicant may apply to the Chief DAS for credit toward some or all of the experience required under Section 291.1 (a)(2). The Chief DAS may grant credit if the Chief determines that the experience is comparable to experience for which credit would be granted under Section 291.1(a) (1) and (2).

Note: Authority cited: Section 3099 Labor Code. References: Section 3099 Labor Code.

291.2 Application for Certification and Examination

(a). Any individual desiring to be certified as set forth in Section 291.0 must submit an application for certification and examination as set forth herein. The application and all information and attachments shall be submitted under penalty of perjury, and accompanied by all applicable fees as set forth herein. No application will be accepted for processing by the DAS unless accompanied by all required fees as set forth in Section 292.0 herein.

(b). Applications may be obtained from any District Office for the DAS and shall be filed by mailing the completed application to the following address:

DIVISION OF APPRENTICESHIP STANDARDS

Attn: Electrician Certification Unit

P.O. BOX 420603

SAN FRANCISCO, CA 94142-0603

(c). The application shall include:

(1). Type of certification desired.

(2). Full name of the applicant and any other names the applicant has used to work as an electrician within five years previous to the date of the application.

(3). ~~Date of Birth and Social Security Number~~ Driver's license or state identification card number.

(4). Mailing Address (~~Work and Home~~).

~~(5). Telephone Number (Work and Home Day and Evening).~~

~~(6). Requested examination location.~~

~~(d). The applicant shall submit proof of experience as required under Section 291.1 the following information and attachments with the application. Only applicants who have the required experience are eligible to take the certification examination.~~

~~(1). Proof of experience as required under Section 291.1~~

~~(2). 2 copies of 11/2" x 11/2" current color photograph of applicant~~

~~(Passport type taken within the 30 days one year prior to submission of the application).~~

~~(e). Within 30 days of the receipt of an application, the DAS shall inform the applicant in writing either that the application is accepted for filing or that it is deficient in which case DAS shall inform the applicant of the and what specific information or documentation is required to complete the application. An application is not considered complete until the applicant has taken the certification examination under Section 292.1 and the results of the examination have been released. If the application is incomplete because the certification examination required under Section 292.1 has not been taken, the applicant will be advised of the next available test date.~~

~~Within 60 days of accepting an application for filing, DAS shall inform the applicant in writing either that the applicant has submitted sufficient proof of experience to be eligible to take the certification examination or that the proof of experience is insufficient and if so in what way. If the applicant is eligible to take the certification examination, DAS shall advise the applicant of the procedure for taking the certification~~

examination. If the applicant is not eligible to take the certification examination, DAS shall keep the application on file for one year and reconsider the application if the applicant submits further information or documentation. If the applicant has not submitted sufficient proof of experience to take the certification examination within one year after being notified by DAS that the proof of experience is insufficient, the applicant must submit a new application and pay the required application fee.

~~(f). Within 60 days after the filing of the complete application, the Chief DAS shall issue a decision regarding the applicant's certification.~~

Note: Authority cited: Section 3099 Labor Code. References: Section 3099 Labor Code.

291.3 Certification Examination

(a). All applicants must pass a written examination, as established by the Chief DAS for the type of certification desired.

(b). The test shall be validated by an independent test validation organization based on content developed by a job analysis.

~~(c). Sixty percent (60%) of the questions on the examination shall be questions on the California Electrical Code and forty percent (40%) of the questions shall be on the following subjects:~~

~~Tool ID and use~~

~~Material Id~~

~~Blue Print and Symbol ID~~

~~Safety, First Aid and Hand Signals~~

~~Conduit Bending~~

Wire Pulling, Rigging

Electrical Test Instruments

Basic Wiring Installations

Basic Electrical Theory

(c). A description of the examination content and identification of relevant reference works will be provided by DAS upon request.

(d). The examination for each type of certification shall be given at least once per year, in at least two locations, one in Northern California and one in Southern California. DAS may give the examinations at additional times and in additional locations for the convenience of the applicant pool.

(e). Applicants requesting special accommodations for the examination on account of disability shall submit such requests to the Chief DAS. The Chief DAS shall respond promptly to such requests and may require additional information and/or documentation from the applicant.

(f). DAS may provide for the administration of the certification examinations in non-English languages spoken by a substantial number of applicants, as defined in Section 7296.2 of the Government Code, except insofar as the ability to understand warning signs, instructions, and other information in English is necessary for safety reasons.

(g) At the time of the examination the applicant may be required to present valid photo identification and may be photographed for a certification card.

Note: Authority cited: Section 3099 Labor Code. References: Section 3099 Labor Code.

291.4 Retesting

An applicant may take the test as many times as he or she wishes.

However, an applicant must wait at least 60 days from the release of test results before he or she may ~~apply again to~~ take the examination ~~again~~ and must make payment of the test fee each time the test is taken.

Note: Authority cited: Section 3099 Labor Code. References: Section 3099 Labor Code.

291.5 Renewal and Replacements

(a). The certificate shall be renewed every three- (3) years. To be eligible for renewal an applicant must ~~show~~ provide proof under penalty of perjury of 32 hours further electrical education relevant to the type of certification, and must certify under penalty of perjury that he or she has worked in the industry 2000 hours within the previous three years. An individual who allows certification to lapse shall be required to retake the certification exam.

(b). Any person whose certification card has been lost or mutilated may request a replacement card from the DAS. Such request shall be in writing and accompanied with a current address and phone number and replacement fee in the amount of 30% of the renewal fee specified in Section 292.0. ~~§(c)~~

Note: Authority cited: Section 3099 Labor Code. References: Section 3099 Labor Code.

292.0 Fees

(a). The fee for initially applying for certification is \$75.00.

(b). The fee for taking or retaking the examination is \$100.00.

(c). The fee for renewal of certification is \$100.00.

Note: Authority cited: Section 3099 Labor Code. References: Section 3099, 3099.5 Labor Code.

293.0 Denial, Suspension, or Revocation of Certification; Appeals

(a). The Chief DAS may for good cause deny certification to an applicant. Good cause shall exist when the applicant does not satisfy the requirements of Section 291.1 or has failed the certification examination. The Chief DAS shall provide the applicant with written notice of the denial at the address shown on the application for certification or other address known to the DAS.

(b). The Chief DAS may for good cause and after notice and, if requested, a hearing, suspend or revoke the certification of a person certified pursuant to this Part. Good cause shall be deemed to exist if the person certified has committed gross negligence or fraud, or engaged in repeated acts of negligence during the performance of activities subject to the certification or if the person obtained certification through mistake, misrepresentation or fraud.

(c). For suspension or revocation of a certification, notice of the intention to suspend or revoke the certification shall be given in writing and served upon the person certified. Service shall be by personal service or certified mail to the person's address as shown on the certification application or other address known to the DAS. The notice shall specify the reasons for the action proposed to be taken by the DAS and the applicant's right to request a hearing.

(d). Any applicant may appeal the denial of certification to the Chief DAS. The appeal shall be in writing and made within 20 days of the receipt of the denial. The applicant

shall have the burden of establishing that he/she qualifies for certification. The Chief DAS shall rule on the appeal, and shall have discretion to hold a hearing on the appeal prior to the ruling. The ruling shall be in writing and shall be sent to the applicant. The decision of the Chief DAS shall be final, except for judicial review provided by law.

(e). An individual served with notice of the intention of the Chief DAS to suspend or revoke his or her certification may request a hearing with the Director within 20 days of receipt of the notice. The Director shall schedule a hearing before the Director or his or her authorized representative. Following the hearing, the Director shall issue a written ruling that shall be sent to the appellant. The decision of the Director shall be final except for judicial review provided by law.

Note: Authority cited: Section 3099 Labor Code. References: Section 3099 Labor Code.

294.0 Enforcement

Any person who displays a certificate, or otherwise claims to be certified, who is not certified shall be prohibited from taking the test for certification for a period of five (5) years.

Note: Authority cited: Section 3099 Labor Code. References: Section 3099 Labor Code.

295.0 Publication of names; responsibility to provide a current address

(a). DAS shall publish ~~annually~~, either electronically or in print, ~~the names of those a current list of~~ electricians who are certified. ~~A current list of these electricians who are certified shall be maintained by DAS and~~ and copies of this list shall be available to the public upon request.

(b). Applicants and certified electricians shall be responsible for notifying DAS of changes in mailing address.

Note: Authority cited: Section 3099 Labor Code. References: Section 3099 Labor Code.