

CHAPTER 2

DEFINITIONS

Section 1. Authority. These rules and regulations are promulgated by the Wyoming Electrical Board pursuant to their authority under W.S.35-9-124(a)(i).

Section 2. Definitions. For the purpose of these Rules and Regulations, the following definitions shall apply:

(a) "Apprentice Electrician" means a person who has insufficient qualifications to be a journeyman electrician and is hired by a licensed electrical contractor to assist a licensed journeyman or master electrician. From and after March 1, 1994, an apprentice electrician must be registered with the Department of Fire Prevention and Electrical Safety, and must be enrolled in a bona fide program of training approved by the Department, or present evidence directly to the Board that he is enrolled in an apprentice training program which provides training equivalent to a program approved by the Department.

(b) "Apprentice Technician" means a person who has insufficient qualifications to be a low voltage or a limited technician and is hired by a licensed electrical contractor, low voltage contractor, or limited electrical contractor to assist a licensed low voltage or limited technician. An apprentice technician must be registered with the Department of Fire Prevention and Electrical Safety and must be enrolled in a training program as approved by the Board.

(c) "Chief Electrical Inspector" means the administrator of the electrical safety division, who is a Wyoming master electrician, certified as an electrical inspector by the International Association of Electrical Inspectors or the International Conference of Building Officials.

(d) "Department" means the Department of Fire Prevention and Electrical Safety.

(e) "Documented Evidence of Work Experience" means notarized letters from employees (past and present), notarized letters from IBEW local union or a copy of a current electrical license from another state licensing board which has work history requirement equal to or greater than the State of Wyoming.

(f) "Documented School Experience" means official transcripts which indicate the number of credit hours or actual number of classroom hours of electrically related courses.

(g) "Electrical Board" (Board) consists of five (5) members appointed by the governor for six (6) year terms. One (1) member and no more than two (2) shall be journeymen electricians, one (1) and no more than two (2) shall be a master electricians, and one (1) and no more than two (2) shall be electrical contractors.

(h) "Electrical Contractor" means a person licensed by the Department to contract with another to plan, lay out and supervise the installation of electric equipment. "Electrical Contractor" excludes a person who only plans or designs electrical installations.

(i) "Electrical Safety Division" is the Division that is responsible for the licensing of companies and individuals who are performing electrical installations. The Division is also responsible for issuing electrical wiring permits as well as performing inspections of electrical installations.

(j) "Electrical Work" means the installation, alteration, reconstruction, or repair of electrical wiring and/or systems as described by the National Electrical Code (NEC) Article 90-2.

(k) "Electrical Work Experience" means electrical installations performed by the applicant and governed by the National Electrical Code.

(l) "Electrical Wiring" means any electrical conductor, conduit, material, device, fitting, apparatus, appliance, fixture, or equipment, constituting a part of or connected to any installation attached or fastened to any building, structure, or premises, and which installation or portion thereof is designed, intended, or used to generate, transmit, transform, or utilize electrical energy within the scope and purpose of the NEC.

(m) "Installation of Electric Equipment" includes installing, altering and repairing the wiring of apparatus, equipment and conductors subject to the National Electrical Code.

(n) "Journeyman Electrician" means a person licensed by the Department who has four (4) years experience in the electrical wiring industry and technical knowledge to install and supervise the installation of electrical equipment for any purpose in accordance with the National Electrical Code and city, county and state ordinances and regulations.

(o) "License" means permission to perform electrical installations in the State of Wyoming.

(p) "Limited Electrical Contractor" means a person, licensed by the Department to contract with another to plan, lay out and supervise the installation of electrical equipment associated with the type of limited electrical contractor license held. "Limited Electrical Contractor" excludes a person who only plans or designs electrical installations.

(q) "Limited Technician" means a person licensed by the Department who has two (2) years experience in the portion of the electrical wiring industry covered by his limited license and technical knowledge to install and supervise the installation of electrical equipment associated with the type of limited electrical license held in accordance with the National Electrical Code and city, county and state ordinances and regulations.

(r) "Low Voltage Electrical Contractor" means a person licensed by the Department to contract with another to plan, lay out and supervise the installation of electrical equipment associated with the type of limited electrical contractor license held. "Low Voltage Electrical Contractor" excludes a person who only plans or designs electrical installations.

(s) "Low Voltage Technician" means a person licensed by the Department who has the required number of hours of experience in the portion of the electrical wiring industry covered by his low voltage license and technical knowledge to install and supervise the installation of electrical equipment associated with the type of low voltage electrical license held in accordance with the National Electrical Code and city, county and state ordinances and regulations.

(t) "Master Electrician" means a person licensed by the Department who has eight (8) years experience in the electrical wiring industry and technical knowledge to plan, lay out and supervise the installation of electric equipment in accordance with the National Electrical Code and city, county and state ordinances and regulations.

(u) "Master Electrician of Record" means a Wyoming licensed master electrician who is actively employed by a licensed electrical contractor in a full-time capacity, and who assumes responsibility to ensure that the National Electrical Code, W.S. 35-9-120 through 35-9-130 and applicable rules of the Department of Fire Prevention and Electrical Safety are adhered to on all electrical work undertaken by the electrical contractor in the State of Wyoming, and who is not the master electrician of State record for, or employed by, any other electrical contractor.

(v) "National Electrical Code (NEC)" is the current electrical code created by the National Fire Protection Association whose purpose is the practical safeguarding of persons and property from hazards arising from the use of electricity, and enforcement may be delayed until July of that year.

(w) "Technician of Record" means a Wyoming licensed low voltage or limited technician who is actively employed by a licensed low voltage or limited electrical contractor in a full time capacity, and who assumes responsibility to ensure that the National Electrical Code, W.S. 35-9-120 through 35-9-130 and applicable rules of the Department of Fire Prevention and Electrical Safety are adhered to on all low voltage or limited electrical work undertaken by the low voltage or limited electrical contractor in the State of Wyoming, and who is not the technician of record for, or employed by, any other low voltage or limited electrical contractor.

(x) “Temporary Work Permit” means a permit that allows an applicant to engage in the work of a journeyman electrician, low voltage technician, or a limited technician who applies, furnishes satisfactory evidence of experience to qualify for the examination, and pays the required fees.

~~ELECTRICAL BOARD RULES AND REGULATIONS~~

~~(RULES ADOPTED BY GOVERNOR ON 06/13/2011)~~

CHAPTER 2 DEFINITIONS

Section 1. Authority. These rules and regulations are promulgated by the Wyoming Electrical Board pursuant to their authority under W.S.35-9-124(a)(i).

Section 24. Definitions. For the purpose of these Rules and Regulations, the following definitions shall apply:

(a) "Apprentice Electrician" means a person who has insufficient qualifications to be a journeyman electrician and is hired by a licensed electrical contractor to assist a licensed journeyman or master electrician. From and after March 1, 1994, an apprentice electrician must be registered with the Department of Fire Prevention and Electrical Safety, and must be enrolled in a bona fide program of training approved by the ~~Bureau of Apprenticeship and Training, United States Department of Labor~~ Department, or present evidence directly to the Board that he is enrolled in an apprentice training program which provides training equivalent to a program approved by the ~~Bureau of Apprenticeship and Training, United States Department of Labor~~ Department.

(b) "Apprentice Technician" means a person who has insufficient qualifications to be a low voltage or a limited technician and is hired by a licensed electrical contractor, low voltage contractor, or limited electrical contractor to assist a licensed low voltage or limited technician. An apprentice technician must be registered with the Department of Fire Prevention and Electrical Safety and must be enrolled in a training program as approved by the Board.

(c) "Chief Electrical Inspector" means the administrator of the electrical safety division, who is a Wyoming master electrician, certified as an electrical inspector by the International Association of Electrical Inspectors or the International Conference of Building Officials.

(d) "Department" means the Department of Fire Prevention and Electrical Safety.

(e) "Documented Evidence of Work Experience" means notarized letters from employees (past and present), notarized letters from IBEW local union or a copy of a current electrical license from another state licensing board which has work history requirement equal to or greater than the State of Wyoming.

(f) “Documented School Experience” means official transcripts which indicate the number of credit hours or actual number of classroom hours of electrically related courses.

(g) “Electrical Board” (Board) consists of five (5) members appointed by the governor for six (6) year terms. One (1) member and no more than two (2) shall be journeymen electricians, one (1) and no more than two (2) shall be a master electricians, and one (1) and no more than two (2) shall be electrical contractors.

(h) "Electrical Contractor" means a person licensed by the Department to contract with another to plan, lay out and supervise the installation of electric equipment. "Electrical Contractor" excludes a person who only plans or designs electrical installations.

(i) “Electrical Safety Division” is the Division that is responsible for the licensing of companies and individuals who are performing electrical installations. The Division is also responsible for issuing electrical wiring permits as well as performing inspections of electrical installations.

(j) "Electrical Work" means the installation, alteration, reconstruction, or repair of electrical wiring and/or systems as described by the National Electrical Code (NEC) Article 90-2.

(k) “Electrical Work Experience” means electrical installations performed by the applicant and governed by the National Electrical Code.

(l) "Electrical Wiring" means any electrical conductor, conduit, material, device, fitting, apparatus, appliance, fixture, or equipment, constituting a part of or connected to any installation attached or fastened to any building, structure, or premises, and which installation or portion thereof is designed, intended, or used to generate, transmit, transform, or utilize electrical energy within the scope and purpose of the NEC.

(m) "Installation of Electric Equipment" includes installing, altering and repairing the wiring of apparatus, equipment and conductors subject to the National Electrical Code.

(n) "Journeyman Electrician" means a person licensed by the Department who has four (4) years experience in the electrical wiring industry and technical knowledge to install and supervise the installation of electrical equipment for any purpose in accordance with the National Electrical Code and city, county and state ordinances and regulations.

(o) “License” means permission to perform electrical installations in the State of Wyoming.

(p) "Limited Electrical Contractor" means a person, licensed by the Department to contract with another to plan, lay out and supervise the installation of

electrical equipment associated with the type of limited electrical contractor license held. "Limited Electrical Contractor" excludes a person who only plans or designs electrical installations.

(q) "Limited Technician" means a person licensed by the Department who has two (2) years experience in the portion of the electrical wiring industry covered by his limited license and technical knowledge to install and supervise the installation of electrical equipment associated with the type of limited electrical license held in accordance with the National Electrical Code and city, county and state ordinances and regulations.

(r) "Low Voltage Electrical Contractor" means a person licensed by the Department to contract with another to plan, lay out and supervise the installation of electrical equipment associated with the type of limited electrical contractor license held. "Low Voltage Electrical Contractor" excludes a person who only plans or designs electrical installations.

(s) "Low Voltage Technician" means a person licensed by the Department who has ~~two (2) years experience in the portion of the electrical wiring industry covered by the required number of hours of experience in the portion of the electrical wiring industry covered by~~ his low voltage license and technical knowledge to install and supervise the installation of electrical equipment associated with the type of low voltage electrical license held in accordance with the National Electrical Code and city, county and state ordinances and regulations.

(t) "Master Electrician" means a person licensed by the Department who has eight (8) years experience in the electrical wiring industry and technical knowledge to plan, lay out and supervise the installation of electric equipment in accordance with the National Electrical Code and city, county and state ordinances and regulations.

(u) "Master Electrician of Record" means a Wyoming licensed master electrician who is actively employed by a licensed electrical contractor in a full-time capacity, and who assumes responsibility to ensure that the National Electrical Code, W.S. 35-9-120 through 35-9-130 and applicable rules of the Department of Fire Prevention and Electrical Safety are adhered to on all electrical work undertaken by the electrical contractor in the State of Wyoming, and who is not the master electrician of State record for, or employed by, any other electrical contractor.

(v) "National Electrical Code (NEC)" is the current electrical code created by the National Fire Protection Association whose purpose is the practical safeguarding of persons and property from hazards arising from the use of electricity, and enforcement may be delayed until July of that year.

(w) "Technician of Record" means a Wyoming licensed low voltage or limited technician who is actively employed by a licensed low voltage or limited electrical contractor in a full time capacity, and who assumes responsibility to ensure that the

National Electrical Code, W.S. 35-9-120 through 35-9-130 and applicable rules of the Department of Fire Prevention and Electrical Safety are adhered to on all low voltage or limited electrical work undertaken by the low voltage or limited electrical contractor in the State of Wyoming, and who is not the technician of record for, or employed by, any other low voltage or limited electrical contractor.

(x) “Temporary Work Permit” means a permit that allows an applicant to engage in the work of a journeyman electrician, low voltage technician, or a limited technician who applies, furnishes satisfactory evidence of experience to qualify for the examination, and pays the required fees.

CHAPTER 5

ELECTRICAL LICENSING

Section 1. Authority. These rules and regulations are promulgated by the Wyoming Electrical Board pursuant to their authority under W.S. 35-9-124(a)(i).

Section 2. Electrical Contractors, Low Voltage Electrical Contractors and Limited Electrical Contractors.

(a) All work done by an electrical contractor subject to the National Electrical Code shall be under the direction and supervision of a licensed journeyman electrician or a licensed master electrician

(i) An electrical contractor may employ licensed low voltage technicians, licensed limited technicians, or apprentice technicians. The scope of work for low voltage and limited technicians and apprentice technicians working for electrical contractors shall be limited by the type of technician license or apprentice technician registration held. Low voltage or limited electrical work may be supervised by a licensed low voltage or limited technician of the proper category.

(b) All work done by a low voltage or limited electrical contractor subject to the National Electrical Code must be within the category of low voltage or limited electrical contractor's license held and shall be under the direction and supervision of a licensed low voltage or limited technician of the proper category.

(i) A low voltage or limited electrical contractor may employ licensed journeyman or licensed master electricians. The scope of work for journeyman or master electricians working for low voltage or limited electrical contractors shall be limited by the category of low voltage or limited electrical contractor's license held by the contractor.

(c) Electrical contractors, low voltage electrical contractors, and limited electrical contractors shall ensure that all their electrical installations comply fully with the current edition of the National Electrical Code and amendments thereto, unless written permission for an exception is issued by the Board. Such permission is limited by the requirements set forth in Article 90 of The National Electrical Code.

(d) An electrical contractor who has lost their master of record may have up to but not more than thirty (30) days to register a new master of record.

(i) During the time that an electrical contractor is without a master of record they shall submit to the Electrical Safety Division each Monday a list of all licensed employees that worked on projects the previous week in Wyoming. The list must show which projects the electricians were working on and number of hours worked. The list shall include each apprentice, the year of registration, their on-the-job supervisor and how many hours the supervisor was available on the project.

(e) A low voltage electrical contractor or limited electrical contractor who has lost their technician of record may have up to but not more than thirty (30) days to register a technician of record.

(i) During the time that a low voltage electrical contractor or limited electrical contractor is without a technician of record they shall submit to the Electrical Safety Division each Monday a list of all licensed employees that worked on projects the previous week in Wyoming. The list must show which projects the technicians were working on and number of hours worked. The list shall include each apprentice, the year of registration, their on-the-job supervisor and how many hours the supervisor was available on the project.

(f) Low Voltage - Licensing categories of systems of under ninety (90) volts by low voltage electrical contractors shall be as follows:

(i) LV-G Low Voltage General - Installation and repair or remodel of all systems under ninety (90) volts.

(ii) LV-A Low Voltage Alarms - Installation and repair or remodel of burglar alarms, fire alarms, and other alarm signaling systems.

(iii) LV-L Low Voltage Lawn Sprinklers – Installation and repair or remodel of lawn sprinkler systems under (90) volts.

(iv). LV-CATV Low voltage communications, sound, TV, and control - Installation and repair or remodel of the included systems, and installation of, and repair and maintenance of fiber optic cable installations.

(g) Limited - Licensing categories of limited electrical work by limited electrical contractors shall be as follows:

(i) LM-E Elevators - Installation and repair or remodel of elevator systems limited to wiring on the load side of the equipment disconnect.

(ii) LM-LS Signs and light fixtures- Installation and repair or remodel of electrical sign systems limited to wiring on the load side of the equipment disconnect and routine checking and repair of light fixtures limited to replacement of lamps, ballasts, and fixture parts located in buildings and their premises.

(iii) LM-W Water Wells and Irrigation Systems - Installation and repair or remodel of water well and irrigation systems limited to electrical wiring on the load side of the equipment disconnect.

(iv) LM-H - Installation and repair or remodel of heating, ventilating, air conditioning, refrigeration, and HVAC energy management systems limited to electrical wiring on the load side of the equipment disconnect.

Section 3. Master Electricians, Journeyman Electricians, Low Voltage Technicians and Limited Technicians.

(a) An applicant for a journeyman electrician license by exam must present evidence of a four (4) year (8,000 hour) apprenticeship or experience in the electrical wiring industry. The 8,000 hours of experience must have been obtained during a time frame of no less than four (4) years. Work shall have been governed by the minimum standards of the NEC, under the direct supervision of a licensed journeyman or licensed master electrician. Electrical work experience is to consist of installation in residential, commercial, and industrial. No more than 75 percent of time may be in any one category. However, in special circumstances, the Board may waive this requirement. Up to two (2) years (4,000 hours) credit toward work history requirements shall be given for the number of hours of study in an accredited electrical school exceeding the 576 hours of electrically related classroom instruction required in Section 5(a)(i).

(i) An applicant for a journeyman electrician or master electrician license must also present evidence of 144 hours per year, or 576 hours over a four year apprenticeship, of successfully completed electrically related classroom instruction obtained through approved electrical apprenticeship training programs. If 576 hours of classroom instruction cannot be provided, an applicant may qualify for the exam if evidence of 10 years and 20,000 hours of on the job training experience as a licensed journeyman or master electrician is provided and approved by the Chief Electrical Inspector.

(ii) Applicants who have a current journeyman or master electrician's license, in good standing, from a city, county or state which has requirements equal to or greater than the requirements of the State of Wyoming shall be able to use that license as proof of on the job training hours to qualify to take the examination.

(iii) All properly documented work experience obtained while working for an exempt entity in the State of Wyoming as defined in W.S. 35-9-123 (a)(ii) through (v) will be acceptable. Such work shall have been governed by the minimum standards of the NEC, under the direct supervision of a licensed journeyman or licensed master electrician. Applicants with acceptable work history obtained while working for an exempt entity must also document an equal number of hours of related classroom instruction as required for apprentice electricians enrolled in approved electrical apprenticeship training programs.

(b) An applicant for a master electrician license by exam must present evidence of eight (8) years (16,000 hours) experience in the electrical wiring industry and having held a journeyman electrician license for a minimum of four (4) years. The 16,000 hours of "Documented Evidence of Work Experience" means notarized letters from employees (past and present), notarized letters from IBEW local union or a copy of a current electrical license from

another state licensing board which has work history requirement equal to or greater than the State of Wyoming.

(c) An applicant for a low voltage license must present evidence of the required experience that meets minimum standards of the NEC for the category of license indicated on the application. Classroom instruction is not required for a low voltage license. Experience requirements for the various categories of a low voltage license are as follows:

(i) LV-G Low Voltage General – 4,000 hours during a period of not less than two (2) years for any category of low voltage license not specifically addressed below.

(ii) LV-A Low Voltage Alarms – 3,000 hours during a period of not less than two (18) months.

(iii) LV-L Low Voltage Lawn Sprinklers – 80 hours during a period of not less than two (2) months.

(iv) LV-CATV Low Voltage communications, sound, TV, control. 2000 hours during a period of not less than one (1) year

(d) An applicant for a limited technician license must present evidence of the required experience that meets minimum standards of the NEC for the category of license indicated on the application. Classroom instruction is not required for a limited technician license. Experience requirements for the various categories of a limited technician license are as follows:

(i) LM-LS Signs and Light Fixtures – 1,000 hours during a period of not less than six (6) months.

(ii) All other limited technician categories – 4,000 hours during a period of not less than two (2) years.

(e) Master electrician applicants shall receive a passing grade of 75 percent on the examination. Journeyman electrician applicants shall receive a passing grade of 70 percent on the examination. Low voltage technician and limited technician applicants shall receive a passing grade of 70 percent on the examination.

(f) Anyone who has tested (and failed) for an electrical license within the State of Wyoming is not eligible for a reciprocal license until they have held the license from that state for a period of (3) years and also must show proof of an approved continuing education seminar of sixteen (16) hours on electrical code which is currently enforced in the State of Wyoming.

Section 4. Reciprocal Licensing.

(a) “Reciprocal Licensing” is a master, journeyman, low voltage, and limited technician license that has been reciprocated into the State of Wyoming from a state that has a reciprocal agreement with the State of Wyoming. In order to receive a master or journeyman, low voltage, and limited technician reciprocal license the applicant must have obtained their license by examination. A journeyman, low voltage, or limited technician must have a score of 70% or greater. A master must have a score of 75% or greater. The applicant must have held their license for at least one year in the state the applicant is reciprocating from and the license must be active and in good status with no violations. Proof of the current license must be shown/verified from the state issuing the license. To apply for a reciprocal license you must fill out the appropriate application and pay the appropriate fees and have obtained that license by the same requirements as are required to obtain a license in the State of Wyoming.

Section 5. Apprentice Electricians, Apprentice Electrician Training Programs and Apprentice Technicians.

(a) An apprentice electrician is any person working as an apprentice for a licensed electrical contractor and under the direct supervision of a licensed journeyman electrician, or a licensed master electrician.

(i) Apprentice electricians renewing their registration with the Department of Fire Prevention and Electrical Safety will be required to provide proof of the following:

(A) The total number of hours of on-the-job electrical work experience obtained during the twelve (12) month period from July 1 of the previous year to June 30 of the current year. Work shall have been governed by the minimum standards of the NEC, under the direct supervision or attestation of a licensed journeyman or licensed master electrician. A breakdown indicating number of hours obtained in residential, commercial, and industrial work categories shall be included. Documentation of work history shall be through notarized letters on company letterhead from past or present employer.

(B) The total number of hours of successfully completed electrically related classroom instruction obtained through accredited schools or through approved apprenticeship programs during the twelve (12) month period from July 1 of the previous year to June 30 of the current year. Documentation of all electrically related classroom instruction, time spent in electrical school, and time spent in approved on-line classroom instruction shall be through transcripts from an accredited school or classroom training records from an approved electrical apprenticeship program.

(ii) Apprentice electricians will not be advanced to the next year of apprenticeship training until proof of one (1) year (2,000 hours) of on-the-job electrical work experience and 144 hours of successfully completed electrically related classroom instruction or

approved on-line classroom instruction, obtained through an approved electrical apprenticeship program, can be documented for the current year of their apprenticeship registration.

(iii) Each apprentice electrician shall be supervised by a licensed master or journeyman electrician during his entire training period.

(A) First (1st) year apprentice who has less than 2,000 hours on-the-job training and less than 144 hours related classroom training shall be supervised 100 percent of the workday by a licensed master or licensed journeyman, who must be present on the job.

(B) Second (2nd) year apprentice who has at least 2,000 hours on-the-job training and 144 hours of related classroom training but less than 4,000 on- the-job-training or 288 hours of related training shall be supervised 100 percent of the workday by a licensed master or licensed journeyman, who must be present on the job.

(C) Third (3rd) year apprentice who has at least 4,000 hours on-the-job training and at least 288 hours of related classroom training, but less than 6,000 hours on-the-job-training or 432 hours of related training shall be supervised at least 50 percent of the workday by a licensed master or licensed journeyman, who must be present on the job.

(D) Fourth (4th) year apprentice who has at least 6,000 hours on-the-job training and 432 hours of related classroom training but less than 8,000 hours on-the-job-training or 576 hours of related training shall be supervised 25 percent of the workday by a licensed master or licensed journeyman, who must be present on the job.

(E) Fifth (5th) year apprentice who has at least 8,000 hours on- the-job-training and 576 hours of related training shall be supervised 25 percent of the workday by a licensed master or licensed journeyman, who must be present on the job.

(F) An apprentice who has at least 10,000 hours on-the-job- training regardless of hours of related training shall be supervised 100 percent of the workday by a licensed master or licensed journeyman, who must be present on the job.

(b) Electrical contractors employing apprentice electricians in the State of Wyoming must have an electrical apprenticeship training program to provide classroom instruction for all apprentice electricians in their employ. Requirements for apprenticeship training programs shall be as follows:

(i) The training program must provide at least 144 hours per year, 576 hours over a four (4) year apprenticeship program, of a structured and comprehensive sequence of instruction in subjects, such as electrical theory, the National Electrical Code, and other technical subjects related to the electrical trade.

(ii) Classes for electrical apprenticeship training programs must be conducted on a regular pre-scheduled basis with enough scheduled classes to accommodate the 144 hour per year requirement.

(iii) Instructors for electrical apprenticeship training programs must be licensed journeyman electricians, licensed master electricians, or other persons with adequate electrical expertise as determined by the Department.

(iv) Apprenticeship course hours must be approved by the Chief Electrical inspector.

CHAPTER V5 ELECTRICAL LICENSING

Section 1. Authority. These rules and regulations are promulgated by the Wyoming Electrical Board pursuant to their authority under W.S. 35-9-124(a)(i).

Section 12. Electrical Contractors, Low Voltage Electrical Contractors and Limited Electrical Contractors.

(a) All work done by an electrical contractor subject to the National Electrical Code shall be under the direction and supervision of a licensed journeyman electrician or a licensed master electrician

(i) An electrical contractor may employ licensed low voltage technicians, ~~and/or~~ licensed limited technicians, ~~and~~ or apprentice technicians. The scope of work for low voltage and limited technicians and apprentice technicians working for electrical contractors shall be limited by the type of technician license or apprentice technician registration held. Low voltage ~~and/or~~ or limited electrical work may be supervised by a licensed low voltage or limited technician of the proper category.

(b) All work done by a low voltage or limited electrical contractor subject to the National Electrical Code must be within the category of low voltage or limited electrical contractor's license held and shall be under the direction and supervision of a licensed low voltage or limited technician of the proper category.

(i) A low voltage or limited electrical contractor may employ licensed journeyman or licensed master electricians. The scope of work for journeyman or master electricians working for low voltage or limited electrical contractors shall be limited by the category of low voltage or limited electrical contractor's license held by the contractor.

(c) Electrical contractors, low voltage electrical contractors, and limited electrical contractors shall ensure that all their electrical installations comply fully with the current edition of the National Electrical Code and amendments thereto, unless written permission for an exception is issued by the Board. Such permission is limited by the requirements set forth in Article 90 of The National Electrical Code.

(d) An electrical contractor who has lost their master of record may have up to but not more than thirty (30) days to register a new master of record.

(i) During the time that an electrical contractor is without a master of record they shall submit to the Electrical Safety Division each Monday a list of all licensed employees that worked on projects the previous week in Wyoming. The list must show which projects the electricians were working on and number of hours worked. The list shall include each apprentice, the year of registration, their on-the-job supervisor and how many hours the supervisor was available on the project.

(e) A low voltage electrical contractor or limited electrical contractor who has lost their technician of record may have up to but not more than thirty (30) days to register a technician of record.

(i) During the time that a low voltage electrical contractor or limited electrical contractor is without a technician of record they shall submit to the Electrical Safety Division each Monday a list of all licensed employees that worked on projects the previous week in Wyoming. The list must show which projects the technicians were working on and number of hours worked. The list shall include each apprentice, the year of registration, their on-the-job supervisor and how many hours the supervisor was available on the project.

(f) Low Voltage - Licensing categories of systems of under ninety (90) volts by low voltage electrical contractors shall be as follows:

(i) LV-G Low Voltage General - Installation and repair or remodel of all systems under ninety (90) volts. ~~for systems such as sound systems, burglar alarm systems, fire alarm systems, communication systems, television and satellite systems, cathodic protection systems, and other low voltage systems.~~

(ii) LV-A Low Voltage Alarms - Installation and repair or remodel of burglar alarms, fire alarms, and other alarm signaling systems.

~~(iii) LV-C Low Voltage Communication - Installation and repair or remodel of telephone systems, intercom systems, related fiber optics, computer systems, and other communication systems.~~

~~—————(iv) LV-S Low Voltage Sound - Installation and repair or remodel of sound systems.~~

~~—————(v) LV-T Low Voltage TV - Installation and repair or remodel of cable TV systems, satellite receivers, and community antenna systems.~~

~~—————(vi) LV-X Low Voltage Control - Installation and repair or remodel of low voltage control and instrumentation systems and related fiber optics.~~

(iii) LV-L Low Voltage Lawn Sprinklers – Installation and repair or remodel of lawn sprinkler systems under (90) volts.

(iv). LV-CATV Low voltage communications, sound, TV, and control - Installation and repair or remodel of the included systems, and installation of, and repair and maintenance of fiber optic cable installations.

(g) Limited - Licensing categories of limited electrical work by limited electrical contractors shall be as follows:

(i) LM-E Elevators - Installation and repair or remodel of elevator systems limited to wiring on the load side of the equipment disconnect.

(ii) LM-LS Signs and light fixtures- Installation and repair or remodel of electrical sign systems limited to wiring on the load side of the equipment disconnect and routine checking and repair of light fixtures limited to replacement of lamps, ballasts, and fixture parts located in buildings and their premises.

(iii) LM-W Water Wells and Irrigation Systems - Installation and repair or remodel of water well and irrigation systems limited to electrical wiring on the load side of the equipment disconnect.

~~——(iv) LM-L Light Fixtures——Routine checking and repair of light fixtures, limited to replacement of lamps, ballasts and fixture parts located in buildings and their premises.~~

~~(v)~~(iv) LM-H - Installation and repair or remodel of heating, ventilating, air conditioning, refrigeration, and HVAC energy management systems limited to electrical wiring on the load side of the equipment disconnect.

Section 23. Master Electricians, Journeyman Electricians, Low Voltage Technicians and Limited Technicians.

(a) An applicant for a journeyman electrician license by exam must present evidence of a four (4) year (8,000 hour) apprenticeship or experience in the electrical wiring industry. The 8,000 hours of experience must have been obtained during a time frame of no less than four (4) years. Work shall have been governed by the minimum standards of the NEC, under the direct supervision of a licensed journeyman or licensed master electrician. Electrical work experience is to consist of installation in residential, commercial, and industrial. No more than 75 percent of time may be in any one category. However, in special circumstances, the Board may waive this requirement. Up to two (2) years (4,000 hours) credit toward work history requirements shall be given for the number of hours of study in an accredited electrical school exceeding the 576 hours of electrically related classroom instruction required in Section 5(a)(i).

(i) An applicant for a journeyman electrician or master electrician license must also present evidence of 144 hours per year, or 576 hours over a four year apprenticeship, of successfully completed electrically related classroom instruction obtained through approved electrical apprenticeship training programs. If 576 hours of classroom instruction cannot be provided, an applicant may qualify for the exam if evidence of 10 years and 20,000 hours of on the job training experience as a licensed journeyman or master electrician is provided and approved by the Chief Electrical Inspector.

(ii) Applicants who have a current journeyman or master electrician's license, in good standing, from a city, county or state which has requirements equal to or greater than the requirements of the State of Wyoming shall be able to use that license as proof of on the job training hours to qualify to take the examination.

(iii) All properly documented work experience obtained while working for an exempt entity in the State of Wyoming as defined in W.S. 35-9-123 (a)(ii) through (v) will be acceptable. Such work shall have been governed by the minimum standards of the NEC, under the direct supervision of a licensed journeyman or licensed master electrician. Applicants with acceptable work history obtained while working for an exempt entity must also document an equal number of hours of related classroom instruction as required for apprentice electricians enrolled in approved electrical apprenticeship training programs.

(b) An applicant for a master electrician license by exam must present evidence of eight (8) years (16,000 hours) experience in the electrical wiring industry and having held a journeyman electrician license for a minimum of four (4) years. The 16,000 hours of "Documented Evidence of Work Experience" means notarized letters from employees (past and present), notarized letters from IBEW local union or a copy of a current electrical license from another state licensing board which has work history requirement equal to or greater than the State of Wyoming.

(c) An applicant for a low voltage license must present evidence of the required experience that meets minimum standards of the NEC for the category of license indicated on the application. Classroom instruction is not required for a low voltage license. Experience requirements for the various categories of a low voltage license are as follows:

(i) LV-G Low Voltage General – 4,000 hours during a period of not less than two (2) years for any category of low voltage license not specifically addressed below.

(ii) LV-A Low Voltage Alarms – 3,000 hours during a period of not less than two (18) months.

~~(iii) LV-C Low Voltage Communication – 500 hours during a period of not less than three (3) months.~~

~~(iv) LV-S Low Voltage Sound – 500 hours during a period of not less than three (3) months.~~

~~(v) LV-T Low Voltage TV – 500 hours during a period of not less than three (3) months.~~

~~(vi) LV-X Low Voltage Control – 1,000 hours during a period of not less than six (6) months.~~

(iii) LV-L Low Voltage Lawn Sprinklers – 80 hours during a period of not less than two (2) months.

(iv). LV-CATV Low Voltage communications, sound, TV, control. 2000 hours during a period of not less than one (1) year

(d) An applicant for a limited technician license must present evidence of the required experience that meets minimum standards of the NEC for the category of license indicated on the application. Classroom instruction is not required for a limited technician license. Experience requirements for the various categories of a limited technician license are as follows:

(i) LM-LS Signs and Light Fixtures – 1,000 hours during a period of not less than six (6) months.

(ii) All other limited technician categories – 4,000 hours during a period of not less than two (2) years.

(e) Master electrician applicants shall receive a passing grade of 75 percent on the examination. Journeyman electrician applicants shall receive a passing grade of 70 percent on the examination. Low voltage technician and limited technician applicants shall receive a passing grade of 70 percent on the examination.

(f) Anyone who has tested (and failed) for an electrical license within the State of Wyoming is not eligible for a reciprocal license until they have held the license from that state for a period of (3) years and also must show proof of an approved continuing education seminar of sixteen (16) hours on electrical code which is currently enforced in the State of Wyoming.

Section 4. Reciprocal Licensing.

(a) “Reciprocal Licensing” is a master, journeyman, low voltage, and limited technician license that has been reciprocated into the State of Wyoming from a state that has a reciprocal agreement with the State of Wyoming. In order to receive a master or journeyman, low voltage, and limited technician reciprocal license the applicant must have obtained their license by examination. A journeyman, low voltage, or limited technician-must have a score of 70%,or greater.~~while a~~ A master must have ~~passed with~~ a score of 75% or greater. The applicant must have held their license for at least one year in the state the applicant is reciprocating from and the license must be active and in good status with no violations. Proof of the current license must be shown/verified from ~~which the state they are reciprocating from~~issuing the license. To apply for a reciprocal license you must fill out the appropriate application and pay the appropriate fees and have obtained that license by the same requirements as are required to obtain a license in the State of Wyoming.

Section 5. Apprentice Electricians, Apprentice Electrician Training Programs and Apprentice Technicians.

(a) An apprentice electrician is any person working as an apprentice for a licensed electrical contractor and under the direct supervision of a licensed journeyman electrician, or a licensed master electrician.

(i) Apprentice electricians renewing their registration with the Department of Fire Prevention and Electrical Safety will be required to provide proof of the following:

(A) The total number of hours of on-the-job electrical work experience obtained during the twelve (12) month period from July 1 of the previous year to June 30 of the current year. Work shall have been governed by the minimum standards of the NEC, under the direct supervision or attestation of a licensed journeyman or licensed master electrician. A breakdown indicating number of hours obtained in residential, commercial, and industrial work categories shall be included. Documentation of work history shall be through notarized letters on company letterhead from past or present employer.

(B) The total number of hours of successfully completed electrically related classroom instruction ~~instruction~~ obtained through accredited schools or through approved apprenticeship programs during the twelve (12) month period from July 1 of the previous year to June 30 of the current year. Documentation of all electrically related classroom instruction, time spent in electrical school, and time spent in approved on-line classroom instruction shall be through transcripts from an accredited school or classroom training records from an approved electrical apprenticeship program.

(ii) Apprentice electricians will not be advanced to the next year of apprenticeship training until proof of one (1) year (2,000 hours) of on-the-job electrical work experience and 144 hours of successfully completed electrically related classroom instruction or approved on-line classroom instruction, obtained through an approved electrical apprenticeship program, can be documented for the current year of their apprenticeship registration.

(iii) Each apprentice electrician shall be supervised by a licensed master or journeyman electrician during his entire training period.

(A) First (1st) year apprentice who has less than 2,000 hours on-the-job training and less than 144 hours related classroom training shall be supervised 100 percent of the workday by a licensed master or licensed journeyman, who must be present on the job.

(B) Second (2nd) year apprentice who has at least 2,000 hours on-the-job training and 144 hours of related classroom training but less than 4,000 on-the-job-training or 288 hours of related training shall be supervised 100 percent of the workday by a licensed master or licensed journeyman, who must be present on the job.

(C) Third (3rd) year apprentice who has at least 4,000 hours on-the-job training and at least 288 hours of related classroom training, but less than 6,000 hours on-the-job-training or 432 hours of related training shall be supervised at least 50 percent of the workday by a licensed master or licensed journeyman, who must be present on the job.

(D) Fourth (4th) year apprentice who has at least 6,000 hours on-the-job training and 432 hours of related classroom training but less than 8,000 hours on-the-job-training or 576 hours of related training shall be supervised 25 percent of the workday by a licensed master or licensed journeyman, who must be present on the job.

(E) Fifth (5th) year apprentice who has at least 8,000 hours on-the-job-training and 576 hours of related training shall be supervised 25 percent of the workday by a licensed master or licensed journeyman, who must be present on the job.

(F) An apprentice who has at least 10,000 hours on-the-job-training regardless of hours of related training shall be supervised 100 percent of the workday by a licensed master or licensed journeyman, who must be present on the job.

(b) Electrical contractors employing apprentice electricians in the State of Wyoming must have an electrical apprenticeship training program to provide classroom instruction for all apprentice electricians in their employ. Requirements for apprenticeship training programs shall be as follows:

(i) The training program must provide at least 144 hours per year, 576 hours over a four (4) year apprenticeship program, of a structured and comprehensive sequence of instruction in subjects, such as electrical theory, the National Electrical Code, and other technical subjects related to the electrical trade.

(ii) Classes for electrical apprenticeship training programs must be conducted on a regular pre-scheduled basis with enough scheduled classes to accommodate the 144 hour per year requirement.

(iii) Instructors for electrical apprenticeship training programs must be licensed journeyman electricians, licensed master electricians, or other persons with adequate electrical expertise as determined by the Department.

(iv) Apprenticeship course hours must be approved by the Chief Electrical inspector.



Notice of Intent to Adopt Rules

A copy of the proposed rules may be obtained at <https://rules.wyo.gov>

Revised June 2020

1. General Information

a. Agency/Board Name*		
b. Agency/Board Address	c. City	d. Zip Code
e. Name of Agency Liaison	f. Agency Liaison Telephone Number	
g. Agency Liaison Email Address		
h. Date of Public Notice	i. Comment Period End Date	
j. Public Comment URL or Email Address:		
k. Program		

Amended Program Name (if applicable):

* ☐ By checking this box, the agency is indicating it is exempt from certain sections of the Administrative Procedure Act including public comment period requirements. Please contact the agency for details regarding these rules.

2. Legislative Enactment For purposes of this Section 2, "new" only applies to regular non-emergency rules promulgated in response to a Wyoming legislative enactment not previously addressed in whole or in part by prior rulemaking and does not include rules adopted in response to a federal mandate.

a. Are these non-emergency regular rules new as per the above description and the definition of "new" in Chapter 1 of the Rules on Rules?

☐ No. ☐ Yes. If the rules are new, please provide the Legislative Chapter Numbers and Years Enacted (e.g. 2015 Session Laws Chapter 154):

3. Rule Type and Information For purposes of this Section 3, "New" means an emergency or regular rule that has never been previously created.

a. Provide the Chapter Number, Title and Proposed Action for Each Chapter. Please use the "Additional Rule Information" form to identify additional rule chapters.

Chapter Number:	Chapter Name:	☐ New ☐ Amended ☐ Repealed
	Amended Chapter Name (if applicable):	
Chapter Number:	Chapter Name:	☐ New ☐ Amended ☐ Repealed
	Amended Chapter Name (if applicable):	
Chapter Number:	Chapter Name:	☐ New ☐ Amended ☐ Repealed
	Amended Chapter Name (if applicable):	
Chapter Number:	Chapter Name:	☐ New ☐ Amended ☐ Repealed
	Amended Chapter Name (if applicable):	
Chapter Number:	Chapter Name:	☐ New ☐ Amended ☐ Repealed
	Amended Chapter Name (if applicable):	
Chapter Number:	Chapter Name:	☐ New ☐ Amended ☐ Repealed
	Amended Chapter Name (if applicable):	

4. Public Comments and Hearing Information

a. A public hearing on the proposed rules has been scheduled. ☐ No. ☐ Yes. Please complete the boxes below.

Date:	Time:	City:	Location:

b. What is the manner in which interested persons may present their views on the rulemaking action?

☐ By submitting written comments to the Agency at the physical and/or email address listed in Section 1 above.

☐ At the following URL: _____

A public hearing will be held if requested by 25 persons, a government subdivision, or by an association having not less than 25 members. Requests for a public hearing may be submitted:

☐ To the Agency at the physical and/or email address listed in Section 1 above.

☐ At the following URL: _____

c. Any person may urge the Agency not to adopt the rules and request the Agency to state its reasons for overruling the consideration urged against adoption. Requests for an agency response must be made prior to, or within thirty (30) days after adoption, of the rule, addressed to the Agency and Agency Liaison listed in Section 1 above.

5. Federal Law Requirements

a. These rules are created/amended/repealed to comply with federal law or regulatory requirements. ☐ No. ☐ Yes. Please complete the boxes below.

Applicable Federal Law or Regulation Citation:	
Indicate one (1):	
☐ The proposed rules meet, but do not exceed, minimum federal requirements.	
☐ The proposed rules exceed minimum federal requirements.	
Any person wishing to object to the accuracy of any information provided by the Agency under this item should submit their objections prior to final adoption to:	
☐ To the Agency at the physical and/or email address listed in Section 1 above.	
☐ At the following URL: _____	

6. State Statutory Requirements

a. Indicate one (1):

☐ The proposed rule change *MEETS* minimum substantive statutory requirements.

☐ The proposed rule change *EXCEEDS* minimum substantive statutory requirements. Please attach a statement explaining the reason that the rules exceed the requirements.

b. ☐ The Agency has completed a takings assessment as required by W.S. 9-5-304. A copy of the assessment used to evaluate the proposed rules may be obtained:

☐ By contacting the Agency at the physical and/or email address listed in Section 1 above.

☐ At the following URL: _____

7. Additional APA Provisions

a. Complete all that apply in regards to uniform rules:

☐ These rules are not impacted by the uniform rules identified in the Administrative Procedure Act, W.S. 16-3-103(j).

☐ The following chapters do not differ from the uniform rules identified in the Administrative Procedure Act, W.S. 16-3-103(j):

(Provide chapter numbers)

☐ These chapters differ from the uniform rules identified in the Administrative Procedure Act, W.S. 16-3-103(j) (see Statement of Principal Reasons).

(Provide chapter numbers)

b. Checklist

☐ The Statement of Principal Reasons is attached to this Notice and, in compliance with *Tri-State Generation and Transmission Association, Inc. v. Environmental Quality Council*, 590 P.2d 1324 (Wyo. 1979), includes a brief statement of the substance or terms of the rule and the basis and purpose of the rule.

☐ If applicable: In consultation with the Attorney General's Office, the Agency's Attorney General representative concurs that strike and underscore is not required as the proposed amendments are pervasive (Chapter 3, *Types of Rules Filings*, Section 1, Proposed Rules, of the Rules on Rules).

8. Authorization

a. I certify that the foregoing information is correct.

Printed Name of Authorized Individual

Title of Authorized Individual

Date of Authorization

STATEMENT OF PRINCIPAL REASONS FOR FORMAL ADOPTION OF REGULAR RULES

The Wyoming Electrical Board (Board) is authorized to adopt rules and regulations to implement the rules and requirements for electrical licensing in the State of Wyoming.

In an effort to keep licensing requirements more closely aligned with surrounding states while balancing the needs and demands of our rural state, the Board has been working diligently to update licensing requirements. Furthermore, in order to make Board rules more in line with updated needs and requirements and more in line with State Statute language, the Board is updating the following items:

Chapter II Definitions

(a) “Apprentice electrician” Formerly we have required apprentice training programs to be approved by the Department of Labor, Bureau of Apprenticeship and Training. This Federal agency has changed its name and its requirements for training. We have a formula to convert class credits into seat time hours that we received from the Department of Labor, Office of Apprenticeship that we use to determine if a program is equivalent to the Department of Labor approved program. Since we approve many programs that haven’t been pre-approved, it seemed redundant to include this language in the Board rules and we eliminated that programs must be Department of Labor approved and added that they need to be approved by the Department. Because of the ability to have all items submitted digitally, the Department now has the ability to easily review all apprentice training programs to make sure they meet the requirements of the Board.

(s) “Low Voltage Technician” Low Voltage technicians are required to have a particular number of hours in the profession depending on the license they are seeking. The reference to 2 years of experience seemed incorrect because the hours of experience can be received in less than or more than 2 years depending on the number of hours required and how much the individual works. The language was changed to read that the required number of hours of experience in the portion of the electrical wiring industry covered by the license would be required.

Chapter V Electrical Licensing Section 1.

(a)(i) Changes to grammar removing references to “and/or”

(f)(i) “LV-G Low Voltage General” Language was added that made it more in line with other licenses. Language was removed that referenced particular systems that may or may not exist anymore. This made this license simply for all systems 90 volts or less with no reference to particular systems

(iii)(iv)(v)(vi) These 4 licenses were removed and replaced with a single license that covers all these areas due to different methods of installation and these four systems now use the same type of wire.

(viii) “LV-CATV” license was added to replace the four licenses removed.

(g)(ii) LM-S was combined with LM-L to created LM-SL and item (iv) LM-L was eliminated. Most people do both of the things covered by this license and are required now to carry two licenses. This combines the license into one and requires that they only carry and pay for one license.

Section 2.

(a)(i) A statement was added at the end that allows long time licensees from other states to qualify to take the Wyoming electrical exam if they cannot verify education.

(ii) Wording was added to make it clear that an active license from another state could be used to verify on the job training hours only.

(c)(iii)(iv)(v)(vi) Were removed because these licenses were combined in the new requirements for the new licenses.

(viii). LV-CATV Low Voltage communications, sound, TV, control. 2000 hours during a period of not less than one (1) year. This license and language was added to correspond with section 1.

(d)(i) the new license category was added to reflect the LM-LS license and the number of hours of experience to obtain that license.

Section 4 Reciprocal Licensing

(a)Language has changed. Language was added to avoid confusion between reciprocal agreements and department rules to make sure applicants are aware that they are required to have obtained the license in the State they are reciprocating from by the same means as they would be required to get a license in the State they are reciprocating to. This language is clear in every reciprocal agreement and is the intention of the electrical board. Because this language was not clear in Wyoming State Electrical Board Rules, there was a lot of misunderstanding. This language will provide clarity to reciprocal applicants.

(iv) was added to verify that all Apprentice course hours applications must be approved by the Chief Electrical Inspector.