

TEXT OF REGULATIONS (Original)

**California Code of Regulations
TITLE 19. PUBLIC SAFETY**

Division 1. State Fire Marshal

Chapter 5.5 Automatic Fire Extinguishing Systems Certification

Article 1. Administration

920. Authority.

Chapter 5.5, Division 1, Title 19 of the California Code of Regulations is adopted by the State Fire Marshal under the authority of Division 12, Part 2, Chapter 1, Section 13110, of the Health and Safety Code of the State of California.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

921. Title.

These regulations and standards shall be known as the "Regulations and Standards of the State Fire Marshal," shall be cited as such, and shall be hereinafter referred to as "these regulations."

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

922. Purpose.

The purpose of these regulations and standards is to improve the performance and reliability of water-based fire protection systems by providing a means to certify and register any person who installs, alters, repairs, or adds appurtenances to such systems.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

923. Scope.

(a) These regulations apply to work consisting of the installation, alteration or repair of all water-based fire protection systems as defined in Section 924.12. A Certified Fire Sprinkler Fitter shall install piping and valves associated with water storage tanks and tank heaters for fire suppression systems.

(b) Installation, alteration or repair of one and two-family residential sprinkler systems are excluded from these regulations.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

Article 2. Definitions

924. "A" Definitions.

(a) Alteration. Modifications to existing systems.

(b) Apprentice. A person who is learning by practical experience under skilled workers, and is currently enrolled in a California or federally approved Fire Sprinkler Apprenticeship Program or is currently registered with the Office of the State Fire Marshal Training Program as outlined in Section 947.

(c) Authority Having Jurisdiction (AHJ). The AHJ shall be defined as the State Fire Marshal, a chief of any city or county fire department or fire protection district and their respective authorized representatives in their respective jurisdictions.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

924.1. "C" Definitions.

(a) Certified Fire Sprinkler Fitter. A journeymen sprinkler fitter or individual who possesses an active State of California Contractor State License Board Fire Protection Contractor (C-16) license; or has met the prerequisite training and experience in accordance with Section 946; or possesses a sprinkler fitter certificate issued by the Office of the State Fire Marshal.

(b) Commercial Certification. A certification allowing individuals to perform the installation of water-based fire protection systems in any occupancy.

(c) Correction Order. Generally, the act or an instance of identifying what is wrong in a written direction or command delivered by a government official.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

924.2. "D" Definitions.

(a) Direct Supervision. On-site supervision in accordance with section 926.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

924.3. "F" Definitions.

(a) Fire Sprinkler Fitter. A certified Fire Sprinkler Fitter, fire sprinkler apprentice or fire sprinkler trainee who performs work as described in Section 923 of this chapter.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

924.4. "I" Definitions.

(a) Installation. All work as described in Section 923 of this Chapter, including, but not limited to, new, retrofit, modification, or repair of water-based fire protection systems.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

924.5. "J" Definitions.

(a) Job Related Experience Program (JREP). The number of years of experience, employment experience and hours shall be verified in writing on company letterhead certifying the experience and hours from the fire sprinkler fitters employer in accordance with Section 947.

(b) Journeyman. A person who has successfully completed the required hours and years of a California state or federally approved Fire Sprinkler Apprenticeship Program, Office of the State Fire Marshal JREP, or individuals previously certified in accordance with section 949.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

924.6. "L" Definitions.

(a) Licensee. A California Contractor State License Board Fire Protection Contractor (C-16) License holder.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

924.7. "M" Definitions.

(a) Multi-Family Residential Certification. This certification allows individuals to perform the installation of water-based fire protection systems only in multi-family residential structures.

(b) Multi-Family Residential Structure. A residential occupancy with three (3) or more dwelling units up to, and including, four (4) stories in height.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

924.8. "N" Definitions.

(a) Notice to Appear. A summons or writ by which a person is cited to appear in court.

(b) Notice of Violation. To give attention to an infraction or breach of the law.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

924.9. "R" Definitions.

(a) Registered Fire Sprinkler Fitter. An apprentice or trainee, meeting the applicable prerequisites as identified in Article 5, who completes the required documents, submits

an application with applicable fees, and possesses a registration card issued by the Office of the State Fire Marshal.

(b) Repair. To restore to normal working condition or to fix damage.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

924.10. "S" Definitions.

(a) State Fire Marshal (SFM). Pursuant to the Health and Safety Code, Section 13101 shall be appointed by the Governor with the advice and consent of the senate and shall hold office at the pleasure of the Governor.

(b) State Fire Marshal (SFM) Designee. As defined in the Health and Safety Code, Sections 13103 and 13104 are those assistant or Deputy State Fire Marshals who aid in the enforcement of all laws, regulations and ordinances adopted in the State of California and is a person who has been designated by the SFM to act on his/her behalf in an official capacity.

NOTE: Authority cited: Sections 13101, 13103, 13104 and 13110, Health and Safety Code. Reference: Sections 13101, 13103, 13104 and 13110, Health and Safety Code.

924.11. "T" Definitions.

(a) Trainee. A person or individual working in the fire protection industry installing water-based fire protection systems at an entry-level position as described in Section 938 Fire Sprinkler Trainee.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

924.12. "W" Definitions.

(a) Water-Based Fire Protection Systems. A system that includes but is not limited to a wet, dry, pre-action, and deluge fire sprinkler system, including small hose connections, standpipe systems, private fire service mains and their appurtenances, including hydrants and monitor nozzles, foam water systems, fire pumps, water storage tanks, low, medium, and high expansion foam systems, and water mist systems.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

Article 3. General Provisions and Fee Schedule

925. General Provisions.

(a) No person shall engage in the installation of water-based fire protection systems as described in Section 924.12 without first submitting an application, applicable fees, and required documents demonstrating compliance with the training and experience requirements. Applicants shall have obtained a Certification or be a Registered fire

sprinkler fitter issued by the Office of the State Fire Marshal (OSFM). An Apprentice or Trainee shall become registered in accordance with the provisions in Article 5.

(b) Application for Certification or Registration shall be made in writing to the Office of the State Fire Marshal on forms provided by the Office of the State Fire Marshal.

(c) A fee shall accompany each application for certification or registration as prescribed in Section 925.1. Every fee required in accordance with the provisions of Section 13110 of the Health and Safety Code shall be paid in legal tender, or by money order or postal note, or valid personal check made payable to "CAL FIRE-OSFM".

(d) Every fee shall be paid, or mailed to CAL FIRE - Office of the State Fire Marshal, Cashiers Unit - AES Program, P.O. Box 997446, Sacramento, CA 95899-7446.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

925.1. Fee Schedule.

Fees for application or renewal of any Certification or Registration issued pursuant to this chapter shall be as follows:

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|-----------------------------------------------------------------------------------|--------------|
| <u>(1) Sprinkler Fitter Certification</u> | <u>\$150</u> |
| <u>(2) Apprentice Registration</u> | <u>\$150</u> |
| <u>(3) Trainee Registration</u> | <u>\$150</u> |
| <u>(4) Annual Renewal</u> | <u>\$150</u> |
| <u>(5) Renewal of a certification or registration which has expired</u> | <u>\$150</u> |
| <u>(6) Replacement Certification or Registration Identification Card</u> | <u>\$25</u> |
| <u>(7) Commercial Continuing Education Unit Course Registration</u> | <u>\$150</u> |
| <u>(8) Multi-family Residential Continuing Education Unit Course Registration</u> | <u>\$150</u> |
| <u>(9) SFM Validation of Job Related Experience Program (JREP)</u> | <u>\$500</u> |
| <u>(10) Late fee (50% of application fee)</u> | |

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

926. Maximum Number of Directly Supervised Employees.

A Certified Fire Sprinkler Fitter may supervise the number of apprentices that his or her California state or federal apprenticeship agreement permits with no more than two (2) trainees. Those who are not in a California state or federally approved apprenticeship program may supervise five (5) apprentices with no trainees.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

Article 4. Enforcement

927. Violations.

The SFM, SFM Designee or AHJ, shall inspect project worksites where work on fire

protection systems is being performed to ensure that persons performing the work possess valid certifications or registrations as required by this Chapter. The SFM, SFM Designee or AHJ is authorized to require persons performing work to provide proof of applicable certification or registration card. Any person who cannot show proof of certification or registration to the SFM, SFM Designee or AHJ shall be subject to Sections 928 through 931.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

928. Prosecution of Violations.

(a) Violations are subject to a Notice of Violation or Correction Order.

(b) If a Notice of Violation or Correction Order is not corrected within 72 hours, the SFM, SFM Designee or AHJ is authorized to issue a "Stop Work Order" as defined in Title 24, California Code of Regulations, Part 9 and in accordance with Section 929.

NOTE: Authority cited: Sections 13108 and 13110, Health and Safety Code. Reference: Sections 13108 and 13110, Health and Safety Code.

929. Stop Work Order.

If the SFM, SFM Designee or AHJ, determines that the installation of water-based fire protection systems is being performed in violation of this Chapter and after providing reasonable notice, he or she shall issue a stop work order as defined in Title 24, California Code of Regulations, Part 9. Work within the scope of this Chapter shall not be resumed until a full investigation by the SFM, SFM Designee or AHJ has been completed and verification has been made that all work on the fire protection system in question has been performed by duly authorized persons.

NOTE: Authority cited: Sections 13108 and 13110, Health and Safety Code. Reference: Sections 13108 and 13110, Health and Safety Code.

930. Report of Violations.

Any action taken by the AHJ against a registered Trainee, Apprentice, or Certified Fire Sprinkler Fitter shall be submitted in a written report to the Office of the State Fire Marshal within 15 days of the action. The written report shall contain at a minimum the individual's name, individual's employer, certification or registration number, job location and offense.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

931. Penalties.

(a) The SFM or SFM Designee shall revoke or suspend a sprinkler fitter certificate or a registration card for any violation of this Chapter or of rules or regulations of the State Fire Marshal issued pursuant to this Chapter.

(b) Any person who violates any provision of this Chapter, or any applicable rule,

regulation, permit or other order of the State Fire Marshal, shall be subject to a civil penalty for each act or violation as outlined in Health and Safety Code, Section 13197.6.

(c) Each day a person performs work on a fire protection system without the appropriate valid certification or registration shall constitute a separate violation.

(d) Any person licensed under Chapter 9 (commencing with Section 7000), Division 3 of the Business and Professions Code who violates any provision of this chapter shall be subject to Section 7110 of the Business and Professions Code and, accordingly, shall be subject to disciplinary action by the Contractors' State License Board.

(e) Any person who violates Part 2 of the Health and Safety Code for Fire Protection or any applicable rule or regulation adopted pursuant to Part 2, shall be charged with a misdemeanor pursuant to Section 13112 of the Health and Safety Code.

NOTE: Authority cited: Sections 13110, 13112 and 13197.6, Health and Safety Code, Section 7110, Business and Professions Code. Reference: Sections 13110, 13112 and 13197.6, Health and Safety Code, Section 7110, Business and Professions Code.

932. Denial, Revocation, and Suspension.

(a) The State Fire Marshal shall order revocation, suspension or denial of application pursuant to Chapter 5 (commencing with Section 11500), Part 1, Division 3, Title 2 of the Government Code.

(b) The SFM or the SFM Designee shall upon preliminary finding of a violation, suspend any certification or registration for a period not exceeding 30 days pending an investigation of a violation pursuant to Health and Safety Code 13188.

(c) The issuance or renewal of a certification or registration may be denied, and certification or registration may be revoked by the Office of the State Fire Marshal for any of the following reasons:

(1) Applicant is not the real person of interest.

(2) Certification or registration holder refuses to allow inspection of the certification or registration card by the SFM, SFM Designee or AHJ.

(3) The applicant for a certification or registration does not possess the required qualifications, skills, or competence to conduct the operations for which application is made as evidenced by failure to pass the examination.

(4) The applicant, or certification or registration holder was convicted of any provision of Part 2, or the Health and Safety Code as outlined in Section 13112.

(5) The applicant, or certification or registration holder violates any provision of this chapter of the Health and Safety Code as outlined in Section 13112.

NOTE: Authority cited: Sections 13104 and 13110, 13112, 13188, Health and Safety Code, 11500 Government Code. Reference: Sections 13104 and 13110, 13112, 13188, Health and Safety Code, Section 11500, Government Code.

933. Deceptive Practices.

As defined in Chapter 5, Section 903.1.

(a) Any certification or registration holder, who engages in unfair methods of competition or makes false or misleading statements as prohibited in Sections 17200

and 17500 of the Business and Professions Code, shall be subject to certification or registration denial, revocation or suspension.

(b) Any certification or registration holder, upon making contact with a prospective buyer, (business owner or owner's representative) shall:

(1) State the identity of the person making the solicitation;

(2) State the name of the business being represented;

(3) State the type of goods or services being offered for sale; and

(4) Show or display personal identification from the automatic extinguishing systems company they are affiliated with.

NOTE: Authority cited: Section 13110, Health and Safety Code, Sections 17200 and 17500, Business and Professions Code. Reference: Section 13110, Health and Safety Code, Sections 17200 and 17500, Business and Professions Code.

934. Employer Responsibility.

Every properly licensed contractor performing installation of water-based fire protection systems shall ensure all fire sprinkler fitters under their employment are certified or registered. The individual's employer shall notify the Office of the State Fire Marshal in writing within 72 hours of hiring, giving notice of the date of hire of an employee classified as a trainee, apprentice or certificate holder.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

Article 5. Certification and Registration

935. Expired Documents.

Application for the renewal of a Trainee, Apprentice Registration or Certification, which has expired, shall be considered an original application and the applicant is required to comply with all requirements of an original application.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

936. Minimum Ages.

A Trainee, Apprentice Registration or Certification shall not be issued to any person under 18 years of age.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

937. Duplicate Issuance.

The State Fire Marshal shall issue a duplicate Trainee or Apprentice Registration or Certification in the event of loss, theft, damage or destruction upon receiving an application and fee as prescribed in Section 925.1.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

938. Fire Sprinkler Trainee.

(a) A person not enrolled in a California State or federally approved apprenticeship program or the SFM Validation of JREP, shall be registered with the Office of the State Fire Marshal as a Fire Sprinkler Trainee and work within the scope of these regulations as a Trainee for up to one (1) year from date of hire.

(b) The Trainee shall work under the direct supervision of a Certified Fire Sprinkler Fitter at all times and do the following:

(1) Apply for a California State or federally approved fire sprinkler apprenticeship program or the SFM Validation of JREP within 12 months from the date of hire.

(2) Perform work within the scope of these regulations for up to 90 days prior to registering.

(3) Shall only perform installation of water-based fire protection systems for a properly licensed California Contractors State License Board contractor.

(c) If the Trainee does not qualify for an apprenticeship program within one (1) year of continuous work from their date of hire, the individual shall no longer be classified as a Trainee, nor allowed to work within the scope of these regulations.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

939. Fire Sprinkler Apprentice Registration and Renewal.

(a) A person possessing an Apprentice Registration shall perform tasks within the scope of this Chapter.

(b) A person possessing an Apprentice Registration shall only perform installation of water-based fire protection systems for a properly licensed California Contractors State License Board C-16 contractor.

(c) The apprentice shall work under the direct supervision of a Certified Fire Sprinkler Fitter at all times.

(d) An Original Apprentice Registration card shall be valid from the date of issuance through June 30th. Thereafter, each Apprentice Registration shall be renewed annually and renewals shall be valid from July 1st through June 30th.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

940. Fire Sprinkler Certification and Renewal.

(a) A person holding a Certification shall perform tasks within the scope of this Chapter.

(b) A person possessing a Certification and performing installation of water-based fire protection systems, for a properly licensed California Contractors State License Board C-16 contractor shall perform only those tasks which the certificate holder is authorized to perform, and for which the person is qualified in accordance with Section 946.

(c) An Original Certification shall be valid from the date of issuance through June 30th. Thereafter, each license shall be renewed annually and renewals shall be valid from July 1st through June 30th.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

941. Examination Procedures.

(a) Every person, prior to performing any task or tasks within the scope of a Certification, shall pass a written examination in accordance with the provisions of this Chapter.

(b) Any applicant who has failed the examination shall re-apply and take another examination not less than thirty (30) days from the date of the first examination, after filing a new application and paying the required fee.

(c) Any applicant failing to schedule an examination within thirty (30) days of Notice of Eligibility for that examination, shall forfeit the examination fee, and shall be required to re-apply with a new application for the intended examination along with payment of appropriate fees.

(d) Every person taking an examination for Certification shall have the right to contest the validity of individual questions in such examinations or review of such exam.

(1) Upon conclusion of the examination process, the person taking the examination may request a review of the test with staff of the Office of the State Fire Marshal within 15 days of the exam.

(2) Any challenge as to the validity of individual questions on an examination shall be made in writing within 72 hours of receiving the results of said examination. Challenges shall state the reason for the objection.

(3) The decision as to the action to be taken on the submitted challenge shall be by the Office of the State Fire Marshal and such decision shall be final.

(4) The action taken by the Office of the State Fire Marshal shall be reflected in all future examinations but shall not affect the results of any past examination.

(e) Application for renewal of a certification, which has expired, shall be considered an original application and shall require payment of the appropriate fee.

(f) The Office of the State Fire Marshal shall compile all Trainee and Apprentice Registrations and all Certifications in a database designed to link all aspects of the Automatic Extinguishing Systems Program and be accessible on the Office of the State Fire Marshal website.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

942. Possession of Trainee Registration.

Proof of Trainee Registration shall be carried with the individual whenever working as described in the scope of this Chapter. Alteration or fraudulent use of the card is prohibited and shall result in immediate suspension and possible revocation.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

943. Possession of Apprentice Registration.

Proof of Apprentice Registration shall be carried with the individual whenever working as described in the scope of this Chapter. Alteration or fraudulent use of the card is prohibited and shall result in immediate suspension and possible revocation.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

944. Possession of Certification

Proof of certification shall be carried with the individual whenever working as described in the scope of this Chapter. Alteration or fraudulent use of the card is prohibited and shall result in immediate suspension and possible revocation.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

945. Renewal of a Trainee Registration, Apprentice Registration and Certification.

(a) Application for renewal of a Trainee Registration, Apprentice Registration and Certification shall be made on or before May 1st of the year in which the current certification or registration expires. If application is not received by May 1st, a late fee shall be charged as prescribed in Section 925.1. Application for renewal shall be made in writing on forms provided by the Office of the State Fire Marshal and shall be accompanied by the fees prescribed in Section 925.1.

(b) Application for renewal of a registration that has expired shall be considered an original application.

(c) Every three (3) years, at time of renewal, proof of the applicant's continuing education units shall be reviewed. If it is determined the applicant has not satisfied the required minimum continuing education units, the application for renewal shall be rejected. The applicant shall complete additional continuing education to meet the required minimums before reapplying for certification and successfully pass a written examination.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

Article 6. Certification and Registration Qualifications

946. Examination Requirements.

(a) A Certification application shall be accompanied by one of the following:

(1) Documentation that an applicant meets the minimum time requirements of Section 946(b) or (c), and that training was obtained through a California state or federally approved Apprenticeship program.

(2) Out of State Applicants shall provide documentation indicating they meet the minimum time requirements of Section 946(b) or (c). The training shall be obtained through an out of state apprenticeship program that shall be evaluated and approved by the OSFM.

(3) Proof of completion of the SFM Validation of JREP as outlined in Section 947.

(b) An applicant for Commercial Certification shall meet the following minimum qualifications:

(1) 7000 hours in a state or federally approved apprentice program and five (5) years of experience within the scope of these regulations and a certifying letter of experience and hours as outlined in Section 947(b); or

(2) Proof of completion of the SFM Validation of JREP as outlined in Section 947(a) and five (5) years of experience within the scope of these regulations, and employment experience and hours shall be verified by a letter on company letterhead, certifying the experience and hours from the fire sprinkler fitter's employer.

(c) An applicant for Multi-family Residential Certification shall meet the following minimum qualifications:

(1) 3500 hours in a state or federally approved apprentice program and two (2) years of experience within the scope of these regulations and a certifying letter of experience and hours as outlined in Section 947(b); or

(2) Proof of completion of the SFM Validation of JREP as outlined in Section 947 and two (2) years of experience within the scope of these regulations, and employment experience and hours shall be verified by a letter on company letterhead, certifying the experience and hours from the fire sprinkler fitter's employer.

(d) Proof of prior certification for applicants who have been certified but allowed certification to lapse. Such applicants shall take an examination without meeting the requirements of (a), (b) or (c) above.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

947. State Fire Marshal Validation of Job Related Experience Program (JREP)

(a) The State Fire Marshal Validation of JREP is intended to meet or exceed the California state or federally approved apprenticeship programs as outlined in Section 947.1 and 947.2.

(b) Employment experience and hours shall be verified by letter on company letterhead, certifying the experience and hours from the fire sprinkler fitter's employer.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

947.1. Commercial Certification Sprinkler Fitter Skill Area Required Hours.

(a) Applicant shall meet the minimum hours and subjects required to complete the SFM Validation of JREP for Commercial Certification.

(1) 4000 hours of Installation Overhead Piping in the following areas:

(A) Wet Systems;

(B) Pipe, Fittings, Valves, Hangers, and Seismic Restraints;

- (C) Sprinkler Head Types, Application, & Operation;
- (D) Copper Soldering & Brazing;
- (E) Other areas as approved by the OSFM.
- (2) 350 hours of Installation System Controlling Valves, Controlling Devices, Alarms and Specialty Systems in the following areas:
 - (A) Dry Systems;
 - (B) Special Systems; Pre-Action, Environmentally Friendly Systems such as Water Mist Systems/Fire Cycle;
 - (C) Foam and Co2 Systems;
 - (D) Back Flow Prevention;
 - (E) Alarms;
 - (F) Other areas as approved by the OSFM.
- (3) 700 Hours of Installation Underground Piping/System Supply in the following areas:
 - (A) Underground Piping;
 - (B) Fire Pumps;
 - (C) Tanks;
 - (D) Environmentally Friendly Practices (water recovery/de-chlorination);
 - (E) Other areas as approved by the OSFM.
- (4) 700 Hours of Applicable Standards, Plans, Drawings, & Green Practices in the following areas:
 - (A) Applicable Installation Standards;
 - (B) Trade Math;
 - (C) Isometric Drawing;
 - (D) Reading Sprinkler & Architectural Plans;
 - (E) Economics of the Sprinkler Industry (material efficiency - waste reduction);
 - (F) Green Practices;
 - (i) Water Control & Recycling;
 - (ii) Material Efficiency and Recycling;
 - (iii) Waste Reduction;
 - (iv) Introduction to the Leadership in Energy & Environmental Design Program (LEED);
 - (v) Operation and Maintenance Optimization;
 - (vi) Other areas as approved by the OSFM.
- (5) 700 Hours of Repair, Alteration, Inspection, Testing & Maintenance in the following areas:
 - (A) Inspection, Testing & Maintenance;
 - (B) Environmentally Friendly Practices;
 - (C) Other areas as approved by the OSFM.
- (6) 250 Hours of Safety in the following areas:
 - (A) Trade Safety, 10 Hour OSHA & Motorized Lift Equipment Safety Training;
 - (B) CPR/First Aid;
 - (C) Knot Tying & Rigging;
 - (D) Tools of the Trade;
 - (E) Human Relations/Foremanship;
 - (F) Training in Excavation and Trenching;

(G) Other areas as approved by the OSFM.

(b) These are the minimum hours and subjects required for Commercial certification. Any of the subjects from Section 947.1(a) 1 thru 6 can be combined to meet the difference in hours totaling the minimum of 7,000 hours and five (5) years' experience.

(c) A minimum of 1000 hours annually shall be provided by the registered individual on the OSFM approved Sprinkler Fitter Skill Area Reporting Form, which has been signed by a Certified Fitter, or proof of completion from SFM Validation of JREP by the OSFM to retain registration at the time of renewal.

(d) An exam shall be administered every 2000 hours of completion.

(e) Submittal of a completed application for this program shall be accompanied with the appropriate fee as prescribed in section 925.1

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

947.2. Multi-Family Residential Certification Sprinkler Fitter Skill Area Required Hours

(a) Applicant shall meet the minimum hours as defined below using the subjects as listed in Section 947.1, required to complete the SFM Validation of JREP for a Multi-family Residential certification. Any of the subjects in 1 thru 6 can be combined to meet the difference in hours totaling the minimum of 3,500 hours and two (2) years' experience.

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|-----------------------------------------------------------------------------------------------------------|--------------------|
| <u>(1) Installation of Overhead Piping</u> | <u>2,000 hours</u> |
| <u>(2) Installation of System Controlling Valves, Controlling Devices, Alarms & Specialty Systems</u> | <u>300 hours</u> |
| <u>(3) Installation of Underground Piping/System Supply</u> | <u>200 hours</u> |
| <u>(4) Applicable Standards, Plans, Drawings & Green Practices</u> | <u>200 hours</u> |
| <u>(5) Repair, Alteration, Inspection, Testing & Maintenance</u> | <u>300 hours</u> |
| <u>(6) Safety</u> | <u>200 hours</u> |

(b) A minimum of 1000 hours annually shall be provided by the registered individual on the OSFM approved Sprinkler Fitter Skill Area Reporting Form, which has been signed by a Certified Fitter, or proof of completion from SFM Validation of JREP by the OSFM to retain registration at the time of renewal.

(c) An examination shall be administered every 2,000 hours of completion.

(d) Submittal of a completed application for this program shall be accompanied with the appropriate fee as prescribed in section 925.1.

NOTE: Authority cited Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

948. Continuing Education.

A certified fire sprinkler fitter shall receive 24 hours of State Fire Marshal approved continuing education units within a three (3) year period, verified by the Office of the State Fire Marshal every three (3) years. If proof of compliance is not received at time of renewal on the third year of the three (3) year period, the certified fire sprinkler fitter shall be required to re-apply as a new applicant.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

948.1 Continuing Education Units (CEU) Courses.

(a) All continuing education units shall be in accordance with an accredited institution. An accredited institution is a community college, junior college, university, technical or vocational school, or any private educational agency accredited by the International Association of Continuing Education and Training (IACET).

(b) All training courses shall be registered and listed with the OSFM and shall be located on their website.

(c) The registered and listed course process shall include all of the following:

(1) A completed application for the registered and listed course for CEU's shall be accompanied with the appropriate fee as prescribed in Section 925.1.

(2) The application shall be submitted a minimum of 45 days prior to the training to be placed on the OSFM approved training list.

(3) The registered training shall remain on the OSFM approved training list for three (3) years.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

949. Implementation Period and Historical Recognition.

(a) These provisions shall supersede the examination and Certification or Registration requirements of Sections 926 and 946 of this chapter for a period of six (6) months.

(1) Journeymen sprinkler fitters, individuals, or those who possess an active State of California Contractor State License Board Fire Protection Contractor (C-16) license, who meet the requirements of this section within 180 days of the effective date of this chapter, shall not be required to take an examination.

(2) Historical Recognition:

(A) An application for certification shall be accompanied by the following documentation for the applicant to meet the minimum qualifications:

(i) Commercial:

(a) 7000 hours verified work experience;

(b) Five (5) years working within the scope of these regulations.

(ii) Multi-family Residential:

(a) 3500 hours verified work experience;

(b) Two (2) years working within the scope of these regulations.

The employment hours shall be verified by letter on company letterhead certifying the experience and hours from the fire sprinkler fitter's employer or an alternate method approved by the Office of the State Fire Marshal.

(3) No Certification card shall be required within one (1) year, (365 days) of the effective date of this Chapter.

(4) Commencing on the second (2nd) year (366th day) of the effective date of this chapter there shall be a minimum of one (1) certificate holder certified on each job site.

(5) Commencing on the 18 month (545th day) of the effective date of this chapter all persons on the jobsite performing installation, alteration or repair of water-based fire protection systems shall possess a certificate or registration card.

(b) This section shall cease to have effect on the 18 month or (546th day) from the effective date of this chapter and all requirements shall be met.

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.

Article 7. Forms

950. Forms.

(a) The following forms in the format developed by the Office of the State Fire Marshal, which are hereby incorporated by reference, shall be used as applications for Automatic Fire Extinguishing Systems Certification.

(1) Sprinkler Fitter Certification and Apprentice/Trainee Registration Application (Form AES 1005 / Dec 4, 2015).

(2) Sprinkler Fitter Replacement Certification/Registration Identification Card Application (Form AES 1006 / Dec 4, 2015).

(3) Sprinkler Fitter Commercial and Multi-family Residential CEU Course Registration Application (Form AES 1007 / Dec 4, 2015).

(4) Sprinkler Fitter SFM Validation of Job Related Experience Program (JREP) Application (Form AES 1008 / Dec 4, 2015).

(5) Sprinkler Fitter Skill Area Reporting Form – Commercial and Multi-family (Form AES 1009 / Dec 4, 2015).

NOTE: Authority cited: Section 13110, Health and Safety Code. Reference: Section 13110, Health and Safety Code.