

**OFFICE OF THE STATE FIRE MARSHAL
ADOPTION OF AMENDMENTS TO CALIFORNIA CODE OF REGULATIONS
TITLE 19 PUBLIC SAFETY
DIVISION 1. STATE FIRE MARSHAL
CHAPTER 5.5 AUTOMATIC FIRE EXTINGUISHING SYSTEMS CERTIFICATION
TEXT OF REGULATIONS (Final)**

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.

EXCEPTIONS:

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

(2) The installation, alteration or repair of underground water supply lines, from the connection of the water supply to the first joint or mechanical connection at the base of the system riser, are excluded from these regulations.

(3) The installation of pre-engineered water-based fixed extinguishing 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. A modification or an addition to an existing system.

(b) Apprentice. A person who is learning by practical experience under the direction of skilled workers, and who is currently registered in a State of California or federally approved Fire Sprinkler Fitter Apprenticeship Program.

(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.

(1) A journeyman or individual who has completed a California State or federal Apprenticeship Program, or who possesses an active State of California Contractor State License Board Fire Protection Contractor (C-16) License, and has met the requirements in accordance with Section 945; or

(2) Possesses a sprinkler fitter certification issued by the Office of the State Fire Marshal (OSFM).

(b) Certified Fire Sprinkler Fitter Card. A card issued by the Office of the State Fire Marshal to a Certified Fire Sprinkler Fitter upon approval of meeting the requirements in Section 939.

(c) Commercial Certification. A certification allowing individuals to perform the installation of water-based fire protection systems in any occupancy and who has met the requirements in accordance with Section 945 or 946.

(d) Correction Order. The act or an instance of identifying what is wrong in a written direction or command delivered by an AHJ.

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 fitter apprentice, fire sprinkler fitter trainee or a Job Related Training and Experience Review (JRTER) participant 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, alteration, 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 Training and Experience Review (JRTER). A means of validation designed in accordance with Section 946 for the purpose of certifying work experience and training hours of an individual performing the installation of fire suppression systems.

(b) JRTER Participant. A person who has applied for and been accepted into the SFM JRTER.

(c) Journeyman. A person who has successfully completed the required hours and years of experience of a California State or federally approved Fire Sprinkler Apprenticeship Program, Office of the State Fire Marshal JRTER, or individuals previously certified in accordance with this Chapter.

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. A certification allowing individuals to perform the installation of water-based fire protection systems in multi-family residential structures only and who has met the requirements in Section 945 or 946.

(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 has provided the required documentation, submitted a completed application, paid applicable fees and has obtained a registration card issued by the Office of the State Fire Marshal.

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

(c) Registered Fire Sprinkler Fitter Card. A card issued by the Office of the State Fire Marshal to a sprinkler fitter apprentice or trainee upon approval of meeting the requirements in Sections 937 or 938.

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, the State Fire Marshal 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, the State Fire Marshal Designee 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 937.

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, water spray systems, 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 being certified or registered in accordance with these regulations. 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. All fees required in accordance with the provisions of Section 13110 of the Health and Safety Code shall be made payable to "CAL FIRE-OSFM".

(d) All fees 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:

<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) Replacement Certification or Registration Identification Card</u>	<u>\$25</u>
<u>(6) Commercial Continuing Education Unit Course Registration</u>	<u>\$150</u>
<u>(7) Multi-family Residential Continuing Education Unit Course Registration</u>	<u>\$150</u>
<u>(8) SFM Job Related Training and Experience Review (JRTER)</u>	<u>\$500</u>
<u>(9) 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 permitted in their Apprenticeship Agreement and up to two (2) trainees. Those who are not in a California State or federally approved apprenticeship program may supervise three (3) JRTER participants.

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, is authorized to 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 932.

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 seventy-two (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 in accordance with Section 928, he or she is authorized to 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.

(a) Any action taken by the AHJ for violations 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 fifteen (15) days of the violation. The written report shall contain at a minimum the individual's name, employer, certification or registration number, job location and a description of the offense.

(b) Any report submitted by the AHJ for violations against a registered Apprentice may be forwarded by the OSFM to the Division of Apprenticeship Standards (DAS) within fifteen (15) days of receipt.

(c) Any report submitted to the OSFM by the AHJ for violations against a C-16 may be forwarded to the California Contractors State License Board (CSLB) within fifteen (15) days of receipt.

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 fire sprinkler fitter certification or registration card for any violation of this Chapter, or 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 the 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 by the SFM, SFM Designee or AHJ of certification or registration cards.

(3) An applicant for 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) An applicant, certification or registration holder is, or has been convicted of any provision of Part 2 of the Health and Safety Code as outlined in Section 13112.

(5) An applicant, certification or registration holder violates any provision of this Chapter or 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.

(a) A 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 denial, revocation or suspension.

(b) A 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.

(c) Failure to do the above actions shall be treated as a deceptive practice.

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 licensed contractor shall notify the Office of the State Fire Marshal in writing within seventy-two (72) hours from the date of hire of an employee's status 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 an Apprentice or Trainee Registration or a Certified individual, 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. Duplicate Issuance.

The State Fire Marshal shall issue a duplicate Certificate or Registration as defined in this Chapter, 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.

937. Fire Sprinkler Fitter Trainee Registration.

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

(b) To be registered as a trainee, an applicant shall meet the following requirements:

(1) Be 16 years of age or older,

(2) Complete an application accompanied by the fees prescribed in Section 925.1 of these regulations,

(3) Provide proof of employment with a licensed California Contractors State License Board C-16 contractor.

(4) Upon approval of 1 through 3, the applicant will be issued a Registration Card.

(c) Individuals may perform work within the scope of these regulations for no more than ninety (90) days prior to submitting an application to the OSFM.

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

(1) Only perform installation of water-based fire protection systems for a properly licensed California Contractors State License Board C-16 contractor, and

(2) Be registered into a California State or federally approved apprenticeship program within one (1) year of their date of hire.

(e) If the trainee is not accepted into a California State or federally approved apprenticeship program within one (1) year of their date of hire the individual shall no longer be registered to work within the scope of these regulations.

(f) An original trainee registration card shall be valid from the date of issuance through June 30th. Thereafter, each trainee registration shall be renewed annually and is valid from July 1st through June 30th.

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

938. Fire Sprinkler Fitter Apprentice Registration.

(a) To be registered as an apprentice, an applicant shall meet the following requirements:

(1) Be 16 years of age or older,

(2) Complete an application accompanied by the fees prescribed in Section 925.1 of these regulations,

(3) Provide proof of acceptance into a State of California approved apprenticeship program.

(4) Provide proof of employment with a licensed California Contractors State License Board C-16 contractor.

(5) Upon approval of 1 through 4, an applicant will be issued a Registration Card.

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

(c) A person registered as an apprentice shall perform tasks within the scope of this Chapter and meet any additional standards for this occupation as approved by the California Apprenticeship Council.

(d) 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.

(e) 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 is valid from July 1st through June 30th.

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

939. Fire Sprinkler Fitter Certification.

(a) To be certified, an applicant shall meet the following requirements:

(1) Be 16 years of age or older.

(2) Complete an application accompanied by the fees prescribed in Section 925.1 of these regulations, and

(3) Provide one of the following:

(A) Proof of completion of a State of California or federally approved apprenticeship program, or

(B) Proof of a valid State of California Contractors State License Board Fire Protection Contractor (C-16) License, or

(C) Proof of JRTER certification, and

(4) Pass a written examination.

(5) Upon approval of the above, the applicant will be issued a Certification Card.

(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 945.

(c) An original certification shall be valid from the date of issuance through June 30th. Thereafter, each certification shall be renewed annually and is valid from July 1st through June 30th.

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

940. 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 failing to schedule an examination within thirty (30) days after receipt of a Notice of Eligibility, shall forfeit the examination fee, and shall be required to re-apply. A new application for the intended examination along with payment of applicable fees will be required at that time.

(c) Any applicant who has failed an examination may re-apply to take another examination not less than thirty (30) days from the date of the examination. A new application along with payment of applicable fees is required.

(d) A person having taken an examination shall have the right to contest the validity of individual examination questions.

(1) Within fifteen (15) days of the conclusion of the examination process, the person having taken the examination may request a review of the test with the staff of the Office of the State Fire Marshal.

(2) Any challenge as to the validity of individual questions on an examination shall be made in writing within seventy-two (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 made by the Office of the State Fire Marshal and such decisions 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.

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

941. Possession of Trainee Registration Card.

A Trainee Registration Card shall be carried with the individual whenever they are working as described in the scope of this Chapter. Alteration or fraudulent use of the registration 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.

942. Possession of Apprentice Registration Card.

An Apprentice Registration Card shall be carried with the individual whenever they are working as described in the scope of this Chapter. Alteration or fraudulent use of the registration 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 Certification Card.

A Certification Card shall be carried with the individual whenever they are working as described in the scope of this Chapter. Alteration or fraudulent use of the certification 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. Renewal of an OSFM Trainee Registration, Apprentice Registration and Certification.

(a) Application for renewal of a Trainee Registration, Apprentice Registration, or 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 certificate or registration that has expired shall be considered an original application and shall require payment of the applicable fee.

(c) Every three (3) years at the time of renewal, proof of the certified applicant's Continuing Education Units (CEU) shall be submitted and reviewed. If it is determined the applicant has not satisfied the required minimum CEU, the application for renewal shall be rejected. The certified applicant shall complete additional continuing education to meet the required minimums before reapplying for certification and must then 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

945. Certification and Registration Qualifications.

(a) A certification and/or registration shall not be issued to any person under sixteen (16) years' of age.

(b) A Certification Application shall be accompanied by one of the following:

(1) Documentation that an applicant meets the minimum requirements of Section 945(c) or (d), and has completed a California State or federally approved Apprenticeship Program, or

(2) Holds a valid State of California Contractors State License Board Fire Protection Contractor (C-16) License, or

(3) Documentation that an out of state applicant meets the minimum requirements of Section 945(c) or (d). Training obtained through an out of state apprenticeship program shall be evaluated and approved by the OSFM, or

(4) Proof of SFM JRTER certification.

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

(1) 7000 hours in a state or federally approved apprentice program, five (5) years' of experience within the scope of these regulations and the minimum hours as outlined in Section 946.1; or

(2) Proof of SFM JRTER certification, 7000 hours and five (5) years' of experience within the scope of these regulations.

(3) Employment experience and hours shall be provided in a letter(s) on company letterhead, from the applicant's current and/or former employer(s) certifying, under penalty of perjury, the applicant's experience and hours.

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

(1) 3500 hours in a state or federally approved apprentice program, two (2) years' of experience within the scope of these regulations, or

(2) Proof of SFM JRTER certification, 3500 hours and two (2) years' of experience within the scope of these regulations.

(3) Employment experience and hours shall be provided in a letter(s) on company letterhead, from the applicant's current and/or former employer(s) certifying, under penalty of perjury, the applicant's experience and hours.

(e) Applicants who have been certified but allowed their certification to lapse, shall provide proof of prior certification, and shall take an examination without meeting the requirements of (b), (c) or (d) above.

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

(g) The Office of the State Fire Marshal shall coordinate with the Division of Apprenticeship Standards while compiling data under this provision for registered apprentices.

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

946. State Fire Marshal Job Related Training and Experience Review (JRTER).

(a) The SFM JRTER is intended to meet or exceed the hours of the California State or federally approved apprenticeship programs as outlined in Sections 946.1 and 946.2.

(b) A completed Form AES 1008 application shall be accompanied by the fees prescribed in Section 925.1 and by a letter(s), on company letterhead, from the applicant's current and/or former employer(s) certifying, under penalty of perjury, the applicant's experience and hours meet the minimum required in Section 946.1 or 946.2

(c) All applications and supporting documentation will be reviewed by the OSFM JRTER Review Committee. If the applicant is approved, he/she may take the exam if all other requirements are met in Section 939.

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

946.1. Commercial Certification Sprinkler Fitter Skill Area Required Hours.

(a) Applicants shall meet the minimum hours and subjects required to complete the SFM JRTER for Commercial Certification as follows:

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

(A) Wet Pipe Systems;

(B) Pipe Cutting, Welding, Threading and Grooving, Fittings, Valves, Hangers, and Seismic Bracing and Restraints;

(C) Sprinklers, Applications, and Operations;

(D) Copper Soldering and Brazing; or,

(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 Pipe Systems

(B) Pre-action Systems

(C) Combination Dry Pipe Pre-action Systems

(D) Antifreeze Systems

(E) Deluge Systems

(F) Circulating Closed Loop Systems

(G) Multi-cycle Systems

(H) Water Mist Systems

(I) Foam Systems

(J) Backflow Prevention

(K) Fire Alarm Signaling Systems associated with Water-based Fire Protection Systems; or,

(L) Other areas approved by the OSFM.

(3) 700 Hours of Installation of Fire Service Supply in the following areas:

(A) Fire Service Mains,

(B) Fire Pumps,

(C) Tanks,

(D) Environmentally Friendly Practices (water recovery/de-chlorination); or,

(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 and Recycling,

(ii) Material Efficiency and Recycling,

(iii) Waste Reduction,

(iv) Introduction to the Leadership in Energy and Environmental Design Program (LEED),

(v) Operation and Maintenance Optimization; or,

(G) Other areas as approved by the OSFM.

(5) 700 Hours of Repair, Alteration, Inspection, Testing and Maintenance in the following areas:

- (A) Inspection, Testing and Maintenance;
- (B) Environmentally Friendly Practices; or,
- (C) Other areas as approved by the OSFM.

(6) 250 Hours of Safety in the following areas:

- (A) Trade Safety, 10 Hour OSHA and Motorized Lift Equipment Safety Training,
- (B) CPR/First Aid,
- (C) Knot Tying and Rigging,
- (D) Tools of the Trade,
- (E) Human Relations/Foremanship,
- (F) Training in Excavation and Trenching; or,
- (G) Other areas as approved by the OSFM.

(b) Any of the subjects required for Commercial certification listed in Section 946.1(a)1 thru 6 can be combined to make up the hours totaling a minimum of 7,000 hours and five (5) years' experience.

(c) Proof of the minimum hours in accordance with Section 945(c) shall be provided by the JRTER participant. The hours shall be reported to the OSFM on an AES1009 Form.

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

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

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

(a) Applicants shall meet the minimum hours as defined below using the subjects listed in Section 946.1 to complete the SFM JRTER for a Multi-family Residential Certification. Any of the subjects listed in 1 thru 7 below can be combined to total a minimum of 3,500 hours and two (2) years' experience.

<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 Piping per the California Plumbing Code</u>	<u>200 hours</u>
<u>(4) Installation of Fire Service Mains per the California Fire Code</u>	<u>100 hours</u>
<u>(5) Applicable Standards, Plans, Drawings & Green Practices</u>	<u>200 hours</u>
<u>(6) Repair, Alteration, Inspection, Testing & Maintenance</u>	<u>300 hours</u>
<u>(7) Safety</u>	<u>200 hours</u>

(b) Proof of the minimum hours in accordance with Section 945(d) shall be provided by the JRTER participant. The hours shall be reported to the OSFM on an AES1009 Form.

(c) Submittal of a completed application for validation shall be accompanied with the applicable fee as prescribed in Section 925.1.

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

947. Continuing Education.

A Certified Fire Sprinkler Fitter shall complete three (3) units of State Fire Marshal approved continuing education within a three (3) year period. This requirement is verified by the Office of the State Fire Marshal every three (3) years at time of renewal. 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.

947.1 Continuing Education Unit (CEU) Course Providers.

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

(b) The process by which a provider registers and lists a course shall include all of the following:

(1) A completed application from the provider for CEU training course registration and listing accompanied by the applicable fee as prescribed in Section 925.1.

(2) The application to place a CEU training course on the OSFM Approved Training List shall be submitted a minimum of 45 days prior to the training.

(3) The registered training shall remain on the OSFM Approved Training List for three (3) years.

(c) All CEU's 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).

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

948. Implementation Period and Historical Recognition.

(a) These provisions shall supersede the requirements of Sections 926 and 945 of this Chapter. Journeyman Fire Sprinkler Fitters, 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 one hundred eighty (180) days of the effective date of this Chapter, shall not be required to take an examination.

(1) 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.

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

(3) 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.

(4) 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 certification 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

949. Forms.

The following forms, created by the Office of the State Fire Marshal (dated December 4, 2015), are hereby incorporated by reference, and shall be the applications used for Automatic Fire Extinguishing Systems Certification and/or Registration.

<u>Sprinkler Fitter Certification Application</u>	<u>AES1005</u>
<u>Apprentice/Trainee Registration Application</u>	<u>AES1005A</u>
<u>Sprinkler Fitter Replacement Certification/Registration ID Card Application</u>	<u>AES1006</u>
<u>Sprinkler Fitter Commercial and Multi-Family Residential CEU Course Registration Application</u>	<u>AES1007</u>
<u>Sprinkler Fitter SFM Job Related Training and Experience Review (JRTER) Application</u>	<u>AES1008</u>
<u>Sprinkler Fitter Skill Area Reporting Form</u>	<u>AES1009</u>

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