



DEPARTMENT OF FORESTRY AND FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHAL  
FIRE ENGINEERING DIVISION

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**CALIFORNIA STATE FIRE MARSHAL  
FIRE SPRINKLER CERTIFICATION WORKGROUP**

**Meeting Minutes**

Wednesday April 29, 2015  
El Segundo FD Station 2, El Segundo, California  
Time: 10:00 AM – 4:00 PM

**WORKGROUP GOAL**

To create regulation for the implementation of a certification program for individuals who perform the installation and maintenance of fire suppression systems.

**STAFF**

James Parsegian, Supervising DSFM  
Jeff Schwartz, Deputy State Fire Marshal  
Wanda Albritten, Assistant Program Coordinator

**MEMBERS PRESENT**

Laura Blaul, Chairperson  
\*Bruce Lecair, National Fire Sprinkler Association  
Randy Roxen, Sprinkler Fitters Association, California  
Randy Dysart, CALSAFE  
Darrell Hefley, Jorgensen & Co  
Wayne Weisz, Cen-Cal Fire Protection  
Tom McKinnon, American Fire Sprinkler Association  
Steve Fox, UA Sprinkler Fitters Local 483  
James Carver, El Segundo Fire Department  
Darryl Bolden, LA City Fire Department  
\*Jose Colin, Woodland Fire Department  
\*Patrick Chew, Roseville Fire Department  
Robert Rowe, Fire Sprinkler Advisory Board, Southern California  
John Upshaw, California American Fire Sprinkler Association  
*\*via conference call*

**GUESTS PRESENT**

Todd Golden, UA Sprinkler Fitters Local 709  
Chuck Frame, UA Sprinkler Fitters Local 669  
Stan Smith, UA Sprinkler Fitters Local 483  
Dwight Green, Accredited Training Solutions

**MEETING CALLED TO ORDER**

Meeting was called to order by Chairperson Laura Blaul at 10:00 AM on April 29, 2015.

**ROLL CALL AND INTRODUCTIONS**

Jeff Schwartz conducted a roll call and it was determined that we had a quorum.

**DISCUSSION**

Jeff Schwartz reminded everyone to state his or her name before speaking so the meeting will be better transcribed for minutes. Un-comprehensible transcription is the reason for the delay of minutes for these meetings.

James Parsegian: Chief Hoover indicated could not move forward if Budget Change Proposal (BCP) was not in place, which would allow for staffing to operate the program. This entailed BCP going through the Chain of Command. It was originally disapproved. However, it was later approved at the legislative level. Currently it is on target for budgetary hearing. This shortens the deadline to the end of May for a draft regulations package for justification of positions; please expedite your process in the next month before May 12, and 28th meeting.

Laura Blaul recapped the key decisions, which have been made to move forward in which the last three helped regulations package get started. They were; a minimum of 70% percent for a motion to carry, National Institute for Certification in Engineering Technician (NICET) will reviewed but not be used in the requirements, scope of a sprinkler fitter, the qualifications of a fitter for commercial fitter for grandfathering, the qualifications of a fitter for 13-R system for grandfathering, and the qualifications of a fitter. All six motions carried a unanimous decision. She also reminded the group of the action item from the last meeting was to read state packages that Randy Roxon provided, which were Massachusetts, Nevada, Wisconsin, and the city of Philadelphia. Nothing was provided for Georgia. The specifics of each package (enclosure) were discussed, and these are the items that seemed like our package would need.

- *Definitions* MA
- *Regulatory Intent*
- *Scope* AES, NV
- *Powers/Duties* MA, PA
- *Licenses* MA, PA
- *Grace Period* PA
- *Legacy Clause*
- *Reciprocity* PA
- *Requirements* MA, NV, PA, WI
  - *Min hours*
  - *Test*
  - *Work for valid license*
  - *CEs*
  - *Fees*
- *Time limits/Expiration/Renewal* WI
- *Notification clause*
  - *Question cert*
  - *Termination*
  - *New company*
- *Enforcement* NV, PA
  - *Violations*
  - *Tools - Stop Work*

As the discussion on the way other states programs are written continues, Laura Blaul felt the way Philadelphia's is written, very straightforward and would work the best for California. Tom McKinnon, stated that Philadelphia does not require state contractor's license just certification, Nevada on the other hand has been combined. They require both the sprinkler fitter and for the contractor to be carded. This is how they have sub-classifications for testing.

The Scope of work for sprinkler fitter that is listed on the first page of draft regulations document and became the starting point for discussion. After many inputs from the group and a little wordsmithing of the original definition that was provided by Steve Fox at the last meeting in Woodland, California, a final set of language was agreed on. The final language outcome is as follows: *"Work consisting of the installation, alterations, testing, maintenance and repair of all water-based fire protection systems and installation of all piping or tubing, appurtenances and equipment pertaining thereto, including both overhead and underground water mains, fire hydrants and hydrant mains, standpipes and hose connections to sprinkler systems, including common risers which feed both hose cabinets and sprinkler systems, sprinkler tank heaters, air lines and also all tank, pumps connected thereto, and all work associated with mist systems."*

Wayne Weisz believes that the scope and the definition written seem to be a good description of what we are certifying. Tom McKinnon wanted to re-clarify that testing and maintenance is separate from these regulation at this time are part of Phase II.

The next topic of concern was the wording on qualifications in the Grandfather or Legacy Clause of the document. Jeff Schwartz stated that it was never the intention of this workgroup to recreate requirements that already exist. Laura Blaul reiterated that the Grandfather Requirements for both Commercial and 13-R systems, which were voted and approved at the last meeting in Woodland, California. It is 5-years and 7000 hours for Commercial systems, and 2-years and 3500 hours for 13-R and have completed a State or federally approved apprenticeship program.

Tom McKinnon wanted to change the definition of 13-R/Multi-Family Dwelling to remove the NFPA Standard. He has heard that there is talk of removing that standard completely. Bruce Lecair confirmed Tom McKinnon's comment and that is a topic of discussion at the NFSA in Orlando, Florida. Tom McKinnon made the motion: "Rather than use definition of 13-R, should be residential say multi-family residential occupancies up to and including 4-stories. Scratch out the 13-R in the wording, and define multi-family in the definition." Second by Steve Fox. VOTE: All in favor, none opposed. Motion carried.

Tom McKinnon stated that a trainee is an individual who is at an entry level who has no experience and needs vetted before he enters into the apprenticeship program. Darrell Hefley and Wayne Weisz wanted clarification on what they are or what their duties are. The reply was they would require to work under the direct supervision of a sprinkler fitter. Tom McKinnon said the definition "supervision" for trainee needs clarified and defined. Laura Blaul stated they defined trainee for the intent that they move in to apprenticeship in an approved program or they leave the industry. James Parsegian commented the Fire Extinguisher has a 90-day grace period, which allows them to work without a certification. Jeff Schwartz further commented this is the time a lot of industry uses to vet its people. As the discussion continued, Randy Dysart brought up the point, that the 90-days may work in this program, but he is still unclear who exactly on the job needs to be

certified. Is it the person unloading the pipe, or the person moving equipment around? Tom McKinnon McKinnon's response was that a journeyman is certified, apprentice registered, trainee registered after a period of time (90-days). James Carver and Darryl Bolden questioned why a trainee would need to be registered. Steve Fox responded by saying it would be for tracking and building a more qualified workforce. If they are no classification breakdown, how do we know when the 12-months are up and when to move them on to new duties. Trainees are under the discretion of the supervisor to do what they are told what duties need to be accomplished. He would like to initiate discussion or proposal that there be 12 months of training period or transition to approved program or out of the industry. Wayne Weisz agrees with Steve Fox that 12-months is plenty of time.

Laura: proposed definition:

*A trainee is a person or an individual working in the fire protection industry on a fire protection level. Such individuals will work under supervision of a certified journeyman or a registered apprentice at all times. Such individuals must be at least 18-years of age. The individual will be inserted or have applied for a state, fed approved apprentice program after 12-months. If such individual does not qualify to attend such a program, the individual will no longer be allowed to work in the industry.*

Darrell Hefley had a question on where this definition will go chapter 5 and it does not state fire sprinklers, so what else will it affect? Jeff Schwartz clarified these certification regulations will be a sub chapter and listed as 5.5. Darrell Hefley still commented this definition could affect other types and phases of program. Those issues will be addressed during that phase. He suggested the term be changed to Fire Sprinkler Fitter Trainee. Tom McKinnon agreed and it should be them all. Jeff Schwartz clarified that Fire Sprinkler Fitter should be attached to Apprentice and Journeyman, and all agreed. Randy Roxon felt the last sentence, "If such individual does not qualify to attend such a program, the individual will no longer be allowed to work in the industry", needed some work because it will not work legally.

Tom McKinnon believes the change to last sentence possibly to the employer's responsibility to remove individual from that position. If such individual does not qualify to attend such a program, the individual will no longer be classified as a trainee or work within the scope of these regulations.

Steve Fox made the motion for the definition of Fire Sprinkler Trainee, "A person or individual working in the fire protection industry installing water-based fire protection systems on an entry-level position shall work under the direct supervision of a Certified Fire Sprinkler Fitter at all times. The individual will be indentured or have applied for a California State or Federally approved fire sprinkler apprenticeship program within 12 months from the date of hire. The individual may perform work within the scope of these regulations up to 90-days from date of hire prior to registering", Second by Randy Roxson. VOTE: 12 in favor, none opposed, one abstained. Motion carried. Randy Dysart asked, would like some changes to the last portion of the last sentence where it states they cannot work in the scope of the regulations, which is the same as working in the industry. The Laura Blaul made the note and the intent will be typed up on the draft notes. James Parsegian stated that the intent would be in the Initial Statement of Reasons (ISOR).

Laura Blaul asked the question, "Does trainee need to be registered?" Tom McKinnon responded by specifying there needs to be some sort of registration to ensure that individuals are not abusing the system in the industry. Darryl Bolden clarified Tom McKinnon's intent, asking if we are to have qualified individuals working at jobsite but not be a trainee forever. At some point, they need to be in an apprenticeship program. James Parsegian, by not tracking the trainee, how is the Fire Official

going to know how long an individual has been a trainee. Laura Blaul took Tom McKinnon McKinnon's suggestion and asked the group if 90-days is an acceptable amount of time. Randy Dysart at first had hesitation, but stated that is a different program with different criteria and was good with 90-days. Jeff Schwartz tried to answer Randy Dysart concern by saying that the 90-days for the portable fire extinguisher trainee, is for him to apply for an exam. This trainee is just to registering to designate them on the job site, there is no need for a test, therefore that 90-days should work. Randy Dysart responded by asking James Parsegian and Jeff Schwartz how long does it take from the time an application is mailed in to receiving a test date. James Parsegian answered 7-days, however there is a big gap in time from when the applicant mails in the application with the fee due to the fee having to go through cashier and admin and then it gets to the program for processing. The processing time then for the SFM staff is 7-days. Concern is that if there is backlog that the trainee's job could be at risk and they will not be able to work without the card. The trainee will have a copy of the submitted application. The applicant is good for 90-days from the date the trainee mailed in the application.

Robert Rowe ask to who is responsible to submitting the application, supervisor, or the individual. Tom McKinnon response was that it should be the employers, however Jeff Schwartz stated that in most of the SFM Licenses/Certifications, the individuals are the ones that apply. James Parsegian followed up reiterating that a Certification/Registration is for the individual and not the employer. Wayne Weisz said in other states it is the individual's responsibility whether or not the company takes care of the renewal or not. Steve Fox believes it should be part of new hire packet. Randy Roxson agreed with Steve Fox that if a company is going to start someone out as a trainee, it is the contractor's responsibility. Randy Dysart asked what happens when there are single day jobs or a few days. How is that person covered? Though a group discussion, this would be covered by the 90-days they would have to submit.

Laura Blaul stated that we have a fire sprinkler definition, we have discussion on how the trainee is registered. Let us get our intent down for that. We are getting too much into the weeds and losing focus on the intent. If we continue this practice, the completion goal will not be met.

After the break, James Parsegian reminded everyone this is a Three Phase process. Remember the suppression systems that are not water based are not part of this phase. Phase 1, which is this phase, is installation water-based systems. Phase 2 is maintenance of water-based and will be comprised of this group and started shortly after. Phase 3 is the other types of non- water-based systems.

Laura Blaul asked if we need to move on or do, we need to better define our definition. Randy Roxson said that we to define supervision and how it pertains to these regulations because it is an intricate part of these regulations for the purpose of fire sprinkler fitter trainee and use the same format used in the OSFM Fireworks Program and say something like the under the direct supervision of. Darrell Hefley: Is there actually a definition for fireworks? Wayne Weisz said that in Nevada for sprinkler fitters, they have a program that works well; it has called a "G" card. Inspector comes to site and immediately requests the g card and the supervisor on site has to provide to the inspector and then the inspection moves forward from that point. This person is responsible for the project and the employees.

Jeff Schwartz reads the definition of pyrotechnic trainee. *"Pyrotechnic Operator--Theatrical Trainee authorizes the conducting of procedures permitted a Pyrotechnic Operator--Theatrical when under the direct supervision and control of a licensed Pyrotechnic Operator--Theatrical."* Tom McKinnon

needs to define what "direct" means. What would the composition be on any given type of endeavor? Jeff Schwartz read the definition of supervision from the portable fire extinguisher regulations, *"The provisions of this section shall not prohibit the servicing, charging, or testing of portable fire extinguishers by new employees of a licensed person for a period not to exceed 90 days provided such servicing, charging or testing is conducted in the presence of and under the direct supervision of a natural person holding a valid certificate of registration."* Randy Dysart reiterated that "In the presence and under the direct supervision of says, the person is in the presence of." Tom McKinnon believes this will lead the group into its next set of definitions, which is to define certification and registration. What needs to be addressed is how many people can one certified person supervise?

Laura Blaul stated it is not the intent to slow things down, and not disadvantage anyone, which are key points of Chief Hoover's requirements for this workgroup. The group needs to stick with what they think will be the best for the industry and then adjust. So if we say we have a ratio of 20:1 and then we figure what the grace period is going to be to implement. Tom McKinnon feels that if we are looking at 1:1 ratio, then this is never going to happen. Wayne Weisz agrees with Tom McKinnon, but believes there needs to be competent supervision on the jobsite, but what is that happy medium. Tom McKinnon if we leave it loose and not defined, we are going to encounter issues on the jobsite. Randy Roxson we do not have to define the ration just yet but need to get the definition firm. Steve Fox commented the apprenticeship programs already have ratios in place currently. The Chair recognized guest Stan Smith who stated, "Their ratios right now are 2:1. Guidelines for ratio in place already, which is prevailing wage". There may be language: someone says it is 1:1. Tom McKinnon clarified six-man job; one person certified; three apprentices but no more than two trainees. Crew that is relatively competent. James Carver indicated the Fire Service varies from jurisdiction to jurisdiction but is normally 3 to 7, 5 is optimal. Laura Blaul asked for a brainstorming session for what is a good ratio. Tom McKinnon uses a 1:5, one journeyman to five apprentice/trainees with no more than two trainees.

Jeff Schwartz brought up the point of testing and certification. A discussion ensued regarding grace period, grandfathering in and the need for exam. Randy Roxson stated that without a grace period there would cause economic impact. James Carver stated that he is under the understanding of the conversation that if an individual has been installing sprinklers for 20-years and now I have to go to apprentice program. The Chair responded to the comment by saying, No, that what the establishment of the Grandfather minimum qualifications of 5-years and 7,000 hours was agree upon. Randy Dysart commented that in the portable fire extinguisher program previous 4-6 years ago, there was not a recertification exam. Once it was established, it was found that a number of people, who were in the industry for years did not pass. Confident we voted for grandfathering previously, and then there would be a period where grandfathering people have to take a test.

Wayne Weisz made a motion: 7000 hours, 5-years' verified experience, grandfathered in and no test required for journeyman. Second by Tom McKinnon the motion.

Discussion: Randy Dysart commented that if objective is to have qualified people, how the journeymen are requalifying without an exam. Steve Fox agrees with Tom McKinnon to require grandfathered in people to test will be inappropriate, the way we are changing the industry is with the new people coming in. Darryl Bolden issue with that thinking is the 30-year veteran's vs new employees, new and different criteria because things change. James Carver stated it is his

experience, that fitters who had to take the test in Nevada were scared because of what they would be tested on from what they might have learned 20-years ago. There are also journeyman fitters out there that just do not get it. As we saw in the Fire Extinguisher program, once they understood that changes had occurred in Title-19 (California Code of Regulations) and they were going to be tested on it, the program improved. Jeff Schwartz Grandfathering qualifications for those within the State of California and reciprocity question. Tom McKinnon believes that we grant grandfathering to those who are qualified. Bruce Lecair suggested that maybe continued education and renewal would be a better idea than an exam. Wayne Weisz agreed with Randy Roxson one time grandfather and in 5-years implements a testing process there, people will train for the testing process. All people in will be taking CE's. In our industry, people are tested everyday by the jurisdictions. Laura Blaul clarifies the motion made by Wayne Weisz "7000 hours, 5-years' verified experience, grandfathered in and no test required for journeyman." VOTE: Nine in favor, two opposed, one abstain. Motion carried with a 75% pass.

Next topic is how many people can a journeyman supervise. The Chair recognized guest Stan Smith who stated, "Their ratios right now are 1:2 for local 669. Steve Fox, Tom McKinnon, and Wayne Weisz all stated that the most common ratio is a 1:1 unless it is a prevailing wage/public works job. Steve Fox believes the Apprenticeship Standard should be used for supervision and that 1:1 and 1:2 are not that far apart. Tom McKinnon that if the trainee is addressed they would accomplish a ratio that the industry can use. Robert Rowe asked for clarification, what is being looked at is adequate supervision of the apprentices and what that acceptable zone is. Laura Blaul said that is correct and it is very close to the minimum standards. The ratio on the table is one Journeyman, two apprentices, and 1 trainee. Up to five no more than two can be trainee. Steve Fox made the motion, "Certified journeyman can supervise up to three with no more than one trainee", seconded by Robert Rowe. VOTE: All in favor, none opposed. Motion carried.

Laura Blaul wanted to look at the of the grace period for grandfathering. The City of Philadelphia had the only language that addressed this topic. It reads, "*(PA) (1) No current journeyman or apprentice shall be required to possess any certificate or permit mandated by this Chapter in the first 180 days from the effective date of this Chapter. During the period from 181 days from the effective date of this Chapter through one year after the effective date of this Chapter, no person shall be required to possess any certificate or permit mandated by this Chapter provided he or she has submitted the necessary certificate or permit application within 180 days from the effective date of this Chapter.*" Tom McKinnon stated if we take that language, it would mean 6 months from the time that these are effective file the application and another 6 months to receive the certificate. Randy Roxson made the motion to adopt the Philadelphia language as stated by Madam Chair, language for grace period for journeyman (paragraph 1), seconded by Robert Rowe.

Discussion: James Parsegian asked if 6 months or 180-days was going to be enough time for the 2100 plus companies to be notified in California. He feels the notification and process is going to take time. A group discussion ensued on how the contractors are going to be notified of change and is the time going to be long enough. The outcome was that the word will get out, it is up to the contractors to take care of business, and there are always going to be people that say they never knew about the change. Jeff Schwartz re-read the motion by Randy Roxson, seconded by Robert Rowe, "*No current journeyman or apprentice shall be required to possess any certificate or permit mandated by this Chapter in the first 180 days from the effective date of this Chapter. During the period from 181 days from the effective date of this Chapter through one year after the effective date of this Chapter, no person shall be required to possess any certificate or permit mandated by*

*this Chapter provided he or she has submitted the necessary certificate or permit application within 180 days from the effective date of this Chapter.” VOTE: All in favor, none opposed. Motion carried.*

Laura Blaul, asked if the current apprentice programs out there accept the volume of apprentices, we anticipate coming in from this program for Registration of Apprentice. Steve Fox answered for organized labor, saying yes they can. Tom McKinnon answered for the merit shops saying absolutely without question they could do it, not within the 180 days they would need a year. Laura Blaul asked of the four organized labor apprenticeship programs, anyone can go to any one of them? Steve Fox and Tom McKinnon answered yes. She then asked if we are talking about someone who is working in the field now, how long it would take to get them apprentice. Tom McKinnon shall be required to be entering into a program within 18 months for new.

James Carver made the motion, *“No Non-journeymen or non-apprentices shall be required to enter in an approved apprenticeship program within 1-year from the effective date of this regulation”*, seconded by Robert Rowe. VOTE: All in favor, none opposed. Motion carried.

The last topic for the day as decided by the Chair, Laura Blaul was CEU's also known as Continuing Education Units. Darryl Hefley stated the you need to know how long your license is good for before you address CEU's. Randy Roxson answered the question stating the Department of Finance requires a renewal be every year. He suggests 8 hours be the minimum amount for the renewal period. James Parsegian stated the certification renewal will be every year because that is what the Department of Finance requires. Continuing Education Unit (CEU) should be industry related could be an online, or seminar. Steve Fox should we do hours or credits, Tom McKinnon said CEU's must be a federally recognized Continuing Education Unit (CEU) program. If we do hours, who says they person completed it. Must have a certificate to prove. Randy Roxson said that providers must be approved by the SFM, and 1-year renewal license and every 3-years re-certify CEU's. Tom McKinnon 8 CEU's, hours or equivalent as approved by SFM. Randy Roxson made the motion: *“24 hours of SFM approved education every 3-year period and renew every year”*, seconded by Tom McKinnon. VOTE: All in favor, none opposed. Motion carried.

#### **ACTION ITEMS:**

Look at the Stop Work Order in existing regulations  
Read testing process for other states

#### **NEXT MEETING**

The next meeting is scheduled for May 12, 2015 from 10:00 AM to 4:00 PM (Pacific Standard Time) at the SMF Airport, Terminal A, Media Room, 6900 Airport Blvd, Sacramento, CA 95837.

#### **ADJOURNMENT**

Meeting adjourned by Chair Laura Blaul at 3:40 PM.



## AES Certification Program Regulations Workgroup Outline DRAFT 4-29-15

**IMPACT:** Reduced loss of life and property from fires in occupancies protected by AES in CA

**RESULTS:**

Long: Water-based and pre-engineered systems are effective at controlling fires (%)

Short:

- Quality installations (see FS survey)
- Effective maintenance & testing (see contractor survey); *not* inspections
- Skilled installers
- Skilled maintenance and testing personnel
- No negative impact on construction pace

**OUTPUTS:**

- Enforcement Program
- Continuing Education Program
- **Draft Regulations for T19 (5.5): Phase I: Installation; Phase II: Testing & Maintenance**
- Certification Program  
Can be difficult to enforce multiple, the fewer the better; consider types rather than tiers within a type
- Qualifications
  - Training
  - Experience
- Legacy clause (grandfather)

*Output details from group:*

<b>Must include/be:</b>	<b>Can't include/be:</b>
<i>Fair program for all, regardless of business model; not one specific program</i>	<i>No permissive language: "may"; Needs to be "AHJ shall"</i>
<i>Clean, easy and doable</i>	<i>No single license/cert per job (not effective)</i>
<i>Break down into tiers to simplify</i>	<i>Weak qualification requirements</i>
<i>Allow specialty contractors – specialty breakdown</i>	
<i>Define min qualifications for levels</i>	<i>3<sup>rd</sup> party Board of Examiners (use SFM employees)</i>
<i>Cert for installation; separate cert for testing &amp; maintenance</i>	<i>No public domain info on web (AHJ only) – could be used for recruitment</i>
<i>Reciprocal program with other States</i>	
<i>Test integrity (monitored and controlled through SFM)</i>	
<i>CEU program</i>	
<i>Define who can/will provide CEUs (approved providers)</i>	
<i>Legacy – grandfather in</i>	
<i>Min training hours for journeyman status (from apprentice to journeyman)</i>	
<i>Performance measure to evaluate effectiveness of training</i>	
<i>Test integrity (monitored and controlled through SFM)</i>	
<i>Renewal process</i>	
<b>Enforcement</b> <ul style="list-style-type: none"> <li>• <i>Clear path to enforcement</i> <i>Enforcement avenue, not convoluted</i></li> <li>• <i>Ease of enforcement like fire extinguishing as model</i></li> <li>• <i>Fair, direct enforcement regiment not orchestrated by</i></li> </ul>	

# AES Certification Program Regulations Workgroup Outline

## DRAFT 4-29-15

<p><i>one side; under control of SFM (AHJ enforcement only)</i> <i>Simple and clean with enforcement by AHJ – AHJ sees card and no one else asks for card (e.g. Union)</i></p> <ul style="list-style-type: none"><li>• Stop work clause in enforcement for non-compliance with cert</li><li>• Administrative requirements</li></ul>	
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### ACTIVITIES:

Develop regulatory scope and objectives  
Research current programs  
Verify effectiveness  
Draft regs  
Submit to ??  
.....

### RESOURCES:

- AB 433 (Gordon, 2013)
- T19
- Other programs (other States, CA apprenticeship programs, etc.)
- NICET, UST inspector/installer (Water Board)
- CA apprentice progs – AFSA, Locals 483, 669, 709, (Federal Prog)
- Successful training progs (research)
- Participant commitment (time & effort)
- SFM guidance
- SFM support
- Monthly meeting locations

### ASSUMPTIONS:

- All stakeholders at table – start running list of impact on other areas (for awareness)
- Participants represent interest group and are authorized to make decisions
- Stakeholders are willing to compromise
- Successful programs currently exist
- SFM committed to program/process
- AES Advisory Committee has no specific expectations
- Budget change approved

### FROM SFM:

Scope: Develop Regs  
Stakeholder Participation  
Transparent & Enforceable Program  
Phased in (does not slow down construction)  
Report regulation recommendation to SFM AES Advisory Committee

### Timeline:

Regs effective January 1, 2016 (Feb 2016)  
Reg package submitted May 2015

# AES Certification Program Regulations Workgroup Outline

## DRAFT 4-29-15

### GROUND RULES:

- Use Roberts Rules of Order
- SFM establishes outputs
- Workgroup achieves outputs
- Stick to identified "Activities"
- Tenants before language
- Stay on topic
- Compromise
- No teleconferencing unless informational meeting only
- Alternate members allowed?
  - If yes, must be briefed by member so work effort not slowed
  - Voting?

### KEY DECISIONS:

1. Need a 70% majority vote to pass a motion (2/11/15) - Unanimous
2. NICET will be reviewed but not used in requirements (2/11/15) - Unanimous
3. To "grandfather" journeyman into program: (3/26/15) - Unanimous (no Weiss or Chew)
  - 5 years experience
  - 7000 hours
  - water-based systems
  - verified
4. Scope of work for "sprinkler fitter" (3/26/15) - Unanimous (no Weiss)
5. To "grandfather" 13-R fitter into program: (3/26/15) - Unanimous (no Weiss)
  - 2 years experience
  - 3500 hours
  - verified
6. To certify fitter into program: (3/26/15) - Unanimous (no Weiss)
  - a) Journeyman 13/Commercial
    - i. 5 years experience
    - ii. 7000 hours
    - iii. State/Fed recognized program
  - b) Journeyman 13R/Residential
    - i. 2 years experience
    - ii. 3500 hours
    - iii. State/Fed recognized program

**AES Workgroup Contents**

- *Definitions* MA
- *Regulatory Intent*
- *Scope* AES, NV
- *Powers/Duties* MA, PA
- *Licenses* MA, PA
- ✓ ▪ *Grace Period* PA
- ✓ ▪ *Legacy Clause*
- *Reciprocity* PA
- *Requirements* MA, NV, PA, WI
  - ~~Min hours~~
  - *Test*
  - *Work for valid license*
  - ~~CEs~~
  - *Fees*
- *Time limits/Expiration/Renewal* WI
- *Notification clause*
  - *Question cert*
  - *Termination*
  - *New company*
- *Enforcement* NV, PA
  - *Violations*
  - *Tools - Stop Work*
  - *Penalties*
- *Registry* PA

**REGULATORY INTENT**

(AES) Skilled installers ensure the quality of installation to promote the effectiveness of engineered and pre-engineered systems at controlling fires.

**SCOPE**

(AES) Work consisting of the installation, alterations, testing, maintenance and repair of all water-based fire protection systems and installation of all piping or tubing, appurtenances and equipment pertaining thereto, including both overhead and underground water mains, fire hydrants and hydrant mains, standpipes and hose connections to sprinkler systems, including common risers which feed both hose cabinets and sprinkler systems, sprinkler tank heaters, air lines and also all tank, pumps connected thereto, and all work associated with mist systems.  
*(it is agreed and understood that the above is to apply to piping of such applicable systems only)*

(MA) Journeyman pipefitter: any person who has completed an apprenticeship training program satisfactory to the bureau and who by himself or with other journeyman pipefitters or apprentice pipefitters performs any work in pipefitting subject to inspection under any law, ordinance, by-law, rule or regulation but does not employ other journeymen or master pipefitters.

(MA) Master pipefitter: a person having a regular place of business or who, by himself, or with other master pipefitters, journeymen, pipefitters or apprentice pipe fitters, in him employ performs pipefitting work.

(MA) Registered: a person registered according to the provisions of chapter seven hundred and seven of the acts of nineteen hundred and forty-one.

(MA) Sprinkler fitter/journeyman sprinkler fitter: any person who has completed an apprenticeship training program satisfactory to this bureau and who, by himself or with other sprinkler fitters, performs any work in sprinkler fitting subject to inspection under any law, ordinance, by-law, rule or regulation , but does not employ other sprinkler fitters.

#### **GRACE PERIOD**

- (1) (PA) No person shall be required to possess any certificate or permit mandated by this Chapter in the first 180 days from the effective date of this Chapter. During the period from 181 days from the effective date of this Chapter through one year after the effective date of this Chapter, no person shall be required to possess any certificate or permit mandated by this Chapter provided he or she has submitted the necessary certificate or permit application within 180 days from the effective date of this Chapter.
- (2) (PA) The Department shall issue a fire suppression system certificate without examination to any person who submits an application for a fire suppression system certificate during the 180 day period after the effective date of this Chapter, provided the applicant pays the required application fee and submits evidence demonstrating he or she has:
  - (a) Performed at least 100000 hours of documented full-time practical experience working on fire suppression systems; or
  - (b) Has completed a registered fire suppression system apprenticeship program.

#### **POWERS & DUTIES (??)**

- (1) (PA) The Department shall issue fire suppression system certificates and apprentice permits under this Chapter and enforce the provision of this Chapter

- (d) Type J: Authorized the holder to design the placement of, install, maintain and service residential sprinkler systems which are classified as 13-D systems
2. Each application must be accompanied by the required fee, be notarized and contain the following information:
    - (a) The name, address and telephone number of the firm
    - (b) Fictitious name used, if any
    - (c) They type of work performed
    - (d) Other pertinent information required by the State Fire Marshal
  3. Any firm that holds a license shall report, in writing, to the State Fire Marshal on or before December 31 of each year the name and certificate number of each registrant employed by that firm.

(MA) No person shall engage in the business of master pipefitter, or work as a journeyman or apprentice pipefitter or work as a refrigeration technician or work as a fire protection sprinkler system contractor or as a sprinkler fitter unless he is lawfully licensed under the provisions of section xx.

(MA) Each application for a license under this section shall be filed with the division on a blank furnished by the division. The division shall hold examination in such cities and at such times as may be necessary.

The fee for the first license of a master pipefitter, journeyman pipefitter, apprentice pipefitter, refrigeration contractor, fire protection sprinkler system contractor, or sprinkler fitter; and for any biennial renewal thereof; or for examination therefor shall be determined annually by the commissioner of administration under the provision of section three B of chapter seven for the filing thereof. Licenses shall be valid throughout the commonwealth but shall not be assignable or transferable. No person, firm, organization or corporation shall receive a license as a fire protection sprinkler system contractor unless the application therefor designates at least one of it officers, partners, or manager as its representative for the purpose of obtaining its said licensee and such officer, partner, or manager, so designated shall apply to the bureau for a fire protection sprinkler system contractor's license in his own name at the time. Said license shall contain the name of the fire protection sprinkler system's firm, organization, corporation and the name of the individual who actually holds a fire protection sprinkler system contractor's license. A license shall continue in force until the date of birth of the licenses occurring more than twelve months but not more than twenty-four months after the date of such license unless suspended or revoked for incompetence or untrustworthiness of the licensee. If any such license or the renewal thereof expires in an even year, any subsequent renewal shall expire on the next anniversary of the licensee's date of birth occurring in an even year. If any such license or renewal thereof expires in an odd year, any subsequent renewal shall expire on the next anniversary of the licensee's date of birth occurring in an odd year. A license issued to a person born on February twenty-ninth shall for the purpose of this section expire on March first. Licenses not

## (AES Apprentice Progs)

- a. CDL
- b. 18 years old
- c. English proficiency

## (PA) Fire Suppression System Certification

- (1) To obtain a fire suppression system certificate, an applicant must pay an application fee of \$150 and either:
  - (a) take and pass an examination pursuant to the Fire Prevention Code;
  - (b) meet the qualifications for reciprocity pursuant to Section xxx of this Chapter, or
  - (c) meet the requirements of Section yyy of this Chapter during the one-year grace period established by that Section and apply for such certification within the time frame specified in that Section.
- (2) To take an examination pursuant to the Fire Prevention Code to obtain a fire suppression system certificate, an applicant is required to provide the Department, in addition to any other information required by the Department, evidence demonstrating that he or she has successfully completed a registered fire suppression system apprenticeship program.
- (3) The Department shall issue a certification card to persons who meet the qualifications for a certificate. Certificate holders shall carry such card at all times when performing fire suppression work.

## (PA) Fire Suppression System Apprentice Permitting

- (1) To obtain a fire suppression apprentice permit, an applicant must pay an application fee of \$75 and wither:
  - (a) meet the qualification for reciprocity pursuant to Section xx of this Chapter, or
  - (b) obtain a permit under subsection (2) of this Section
- (2) The Department shall issue a fire suppression system apprentice permit to any person who:
  - (a) completes an application for such a permit established by the Department; and
  - (b) is enrolled in a registered fire suppression system apprenticeship program
- (3) A fire suppression system apprentice permit issued by the Department shall be valid only for such time as the holder is enrolled in a registered fire suppression system apprenticeship program in accordance with this Chapter.
- (4) Nothing in this Chapter shall be construed to prohibit a fire suppression system apprentice who is issued a permit pursuant to this Chapter from engaging in work regulated by this Chapter, provided the apprentice is working under the supervision of a fire suppression system certificate holder certified in the relevant classification of work.

holder of certificate of registration. A certificate of registration is not transferable and may not be issued to anyone who has not attained the age of 18 years. The certificate of registration must be in the possession of a registrant when he or she is performing the duties allowed. A person must obtain a certificate of registration before the person may service and test devices regulation by pressure to prevent backflow.

(WI) Fire sprinkler installers

(1)

(a) Except as provided in xxx, pursuant to yyy, no person may install, maintain or repair automatic fire sprinkler systems unless the person holds a license or registration issued by the department as a licensed automatic fire sprinkler contractor, a licensed journeyman sprinkler fitter, a registered automatic fire sprinkler system apprentice, a registered automatic fire sprinkler contractor-maintenance, or a registered automatic fire sprinkler fitter-maintenance

(b) Paragraph (a) does not apply to a person repairing, replacing or maintaining electrical supervisory devices for existing automatic fire sprinkler systems

(2) No person may conduct the annual activities relative to inspection and testing of an existing automatic fire sprinkler system and components as required by unless the person holds a license of registration issued by the department as a licensed automatic fire sprinkler contractor, a licensed journeyman sprinkler fitter, a registered automatic fire sprinkler system apprentice, a registered automatic fire sprinkler contractor-maintenance, a registered automatic fire sprinkler fitter-maintenance, a registered automatic fire sprinkler system tester or a registered sprinkler tester learner.

(WI) Sprinkler contractors.

(WI) GENERAL. A person licensed as an automatic fire sprinkler contractor shall be responsible for each installation of an automatic fire sprinkler system *as described in (scope)*

(WI) APPLICATION FOR EXAMINATION. A person applying to take an automatic fire sprinkler contractor license examination shall submit all of the following:

- (a) An application in accordance with
- (b) An application fee and examination fee in accordance with

(WI) QUALIFICATIONS FOR EXAMINATION. A person applying for an automatic fire sprinkler contractor license examination shall have on of the following qualifications relating to the engineering principles and skills associated with design, installation and maintenance of automatic fire sprinkler systems:

- acceptable continuing education prior to the expiration date of the license as specified in
- b. The renewal of a license as an automatic fire sprinkler contractor which has an expiration date after June 30, 2010 shall be contingent upon the automatic fire sprinkler contractor obtaining at least 24 hours of acceptable continuing education prior to the expiration date of the license as specified in
2. A person who holds a license as an automatic fire sprinkler contractor may apply to the department for waiver of the continuing education requirements under subd 1 on the grounds of prolonged illness or disability or similar circumstances. Each application for waiver shall be considered individually on its merits by the department.

(WI) Journeyman sprinkler fitters.

GENERAL. The activities under (scope) may be undertaken by a person who holds a license as a licensed journeyman automatic fire sprinkler fitter shall be performed under the general supervision of a person who holds a license as a licensed automation fire sprinkler contractor.

APPLICATION FOR EXAMINATION. A person applying to take a journeyman automatic fire sprinkler fitter license examination shall submit all of the following:

- (a) An application in accordance with
- (b) An application fee and examination fee in accordance with

QUALIFICATIONS FOR EXAMINATION. A person applying for journeyman automation fire sprinkler fitter license examination shall have completed an automatic fire sprinkler system apprenticeship recognized under

EXAMINATION. A person seeking to obtain a journeyman automatic fire sprinkler fitter license shall take and pass an examination in accordance with

APPLICATION FOR LICENSE. Upon notification of successful passage of the examination for journeyman automatic fire sprinkler system fitter licensee, a person may obtain the license by submitting an application and the license fee in accordance with

RENEWAL

- (a) A person may renew his or her license as a journeyman automatic fire sprinkler fitter
- (b) A journeyman automatic fire sprinkler fitter license shall be renewed in accordance with
- (c)
  - 1.

- least 12 hours of acceptable continuing education prior to the expiration date of the license as specified in
- d. The renewal of a license as a journeyman automatic fire sprinkler fitter which has an expiration date after June 30, 2010 shall be contingent upon the automatic fire sprinkler contractor obtaining at least 24 hours of acceptable continuing education prior to the expiration date of the license as specified in
4. A person who holds a license as a journeyman automatic fire sprinkler fitter may apply to the department for waiver of the continuing education requirements under subd 1 on the grounds of prolonged illness or disability or similar circumstances. Each application for waiver shall be considered individually on its merits by the department.

**(PA) Expiration of Certificates and Permits**

Any fire suppression system certificate or apprentice permit issued by the Department under this Chapter shall be valid for a period of three years from the date it is issued and must thereafter be renewed. The Department shall renew for a period of three years any certificate or permit issued under this Chapter upon receiving from the renewal applicant a completed renewal form, as established by the Department and the required renewal fee. Renewal fees for certifications shall be \$150. Renewal fees for apprentice permits shall be \$75.

**RECIPROCITY**

**(PA)** The Department shall issue a certificate or apprentice permit without examination, and by reciprocity, to any currently practicing fire suppression system worker who:

- (a) completes an application for certification or permit by reciprocity established by the Department;
- (b) holds a similar authorization granted by any other state or local jurisdiction which established qualification requirements equal to, or greater than, those established under this Code (provided that the state or local jurisdiction grants such authorizations to any currently practicing, competent person holding a certificate or apprentice permit under this Code); and
- (c) pays a fee of \$150

**REGISTRY**

**(PA)** To promote the effective enforcement of this Chapter, the Department shall maintain a central registry of the names of all persons to whom it has issued fire suppression system certificates and apprentice permits. This list shall be available for inspection to the public and shall be updated each month to reflect new licenses or permits issued. This list shall also identify the names of any person whose certificate or permit has been revoked or suspended.

licenses. For the examination of pipefitters, the division shall use the rules and regulations from national codes as may be necessary to effectuate the licensing provisions of this chapter, including the rules and regulations of sections I, II, III, IV, VIII, and IX of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, the ANSI B-31 Codes, and rules and regulations formulated and adopted by the bureau.

(MA) For the examination of fire protection sprinkler system contractors and sprinkler fitters, the division shall use the rules and regulations of national codes as may be necessary to effectuate the licensing provisions of this chapter.

## LICENSES

**(NV) Licenses:** Requirements; classifications; application

1. Any firm that holds a license to service or install any....or automatic sprinkler system must be properly equipped and shall employ personnel who are qualified to install and perform service on ....automatic systems any appurtenance thereof, and must possess a state contractor's license which is pertinent to the work being performed. Licenses will be issued in four basic classifications:
  - (a) Type E: Authorizes the holder to design the placement of, install, maintain and service engineered or pre-engineered fixed fire extinguishing systems.
  - (a) Type F: Authorized the holder to design the placement of, install, maintain and service fire alarm systems.
  - (b) Type G: Authorized the holder to design the placement of, install, maintain and service automatic sprinkler systems.
  - (c) Type I: Authorized the holder to design the placement of, install, maintain and service fire standpipe systems
  - (d) Type J: Authorized the holder to design the placement of, install, maintain and service residential sprinkler systems which are classified as 13-D systems
2. Each application must be accompanied by the required fee, be notarized and contain the following information:
  - (a) The name, address and telephone number of the firm
  - (b) Fictitious name used, if any
  - (c) They type of work performed
  - (d) Other pertinent information required by the State Fire Marshal
3. Any firm that holds a license shall report, in writing, to the State Fire Marshal on or before December 31 of each year the name and certificate number of each registrant employed by that firm.

(MA) No person shall engage in the business of master pipefitter, or work as a journeyman or apprentice pipefitter or work as a refrigeration technician or work

as a fire protection sprinkler system contractor or as a sprinkler fitter unless he is lawfully licensed under the provisions of section xx.

(MA) Each application for a license under this section shall be filed with the division on a blank furnished by the division. The division shall hold examination in such cities and at such times as may be necessary.

The fee for the first license of a master pipefitter, journeyman pipefitter, apprentice pipefitter, refrigeration contractor, fire protection sprinkler system contractor, or sprinkler fitter; and for any biennial renewal thereof; or for examination therefor shall be determined annually by the commissioner of administration under the provision of section three B of chapter seven for the filing thereof. Licenses shall be valid throughout the commonwealth but shall not be assignable or transferable. No person, firm, organization or corporation shall receive a license as a fire protection sprinkler system contractor unless the application therefor designates at least one of its officers, partners, or manager as its representative for the purpose of obtaining its said licensee and such officer, partner, or manager, so designated shall apply to the bureau for a fire protection sprinkler system contractor's license in his own name at the time. Said license shall contain the name of the fire protection sprinkler system's firm, organization, corporation and the name of the individual who actually holds a fire protection sprinkler system contractor's license. A license shall continue in force until the date of birth of the licensee occurring more than twelve months but not more than twenty-four months after the date of such license unless suspended or revoked for incompetence or untrustworthiness of the licensee. If any such license or the renewal thereof expires in an even year, any subsequent renewal shall expire on the next anniversary of the licensee's date of birth occurring in an even year. If any such license or renewal thereof expires in an odd year, any subsequent renewal shall expire on the next anniversary of the licensee's date of birth occurring in an odd year. A license issued to a person born on February twenty-ninth shall for the purpose of this section expire on March first. Licenses not renewed at the expiration date shall become void, and shall after one year be reinstated only by reexamination of the licensee; provided, however, that if the licensee is on active duty with the armed forces of the United States, the license shall remain valid until the licensee is released from active duty and for a period of not less than 90 days following that release. A notice of the date of expiration of a license shall, at least thirty days prior to such date, be set to the licensee.

(MA) Every apprentice sprinkler fitter shall before starting his apprenticeship file an application, accompanied by the appropriate fee, with the division of inspection of the department of public safety, requesting that he be issued an apprentice license. Said application shall be made on a form to be furnished by said division, and shall require the applicant to state his age, the date on which he is to commence his apprenticeship, the name and address of his employer, and such other information as said division may require. Upon receipt thereof said divisions shall forthwith mail to him a certificate to that effect. A person may be employed as an apprentice

sprinkler fitter by a fire protection sprinkler contractor only. Such apprentices shall work under the direct supervision of a fire sprinkler contractor or journeyman sprinkler fitter. A fire protection sprinkler contractor may employ one or more apprentices but not more than one apprentice may be so employed for each journeyman sprinkler fitter.

### **(AES) LEGACY**

- 1) Experience as of (date): Min Hrs (State approved prog)
  - a) 13/Commercial (inclusive of 13R and all related standards)
    - 7000 hours
    - 5 years
    - verified
  - b) 13R/Multi-family Residential
    - 3500 hours
    - 2 years
    - verified

### **REQUIREMENTS (experience, testing, application/fee)**

**(AES)** Renew certification annually

**(AES)** CEs - 24 hours of SFM approved education every 3 years; certified every 3 years (or time period determined by SFM)

**(AES)** Experience: Min Hrs for licensing (State approved prog)

- 1) To work on system after 20??
  - a. 13/Commercial (inclusive of 13R and all related standards)
    - 7000 hours
    - 5 years
    - Fed/State approved program
  - b. 13R/Multi-family Residential
    - 3500 hours
    - 2 years
    - Fed/State approved program
  - c. Trainee may.....

**(AES Apprentice Progs)**

- a. CDL
- b. 18 years old
- c. English proficiency

**(PA)** Fire Suppression System Certification

- (1) To obtain a fire suppression system certificate, an applicant must pay an application fee of \$150 and either:
  - (a) take and pass an examination pursuant to the Fire Prevention Code;

- (b) meet the qualifications for reciprocity pursuant to Section xxx of this Chapter, or
  - (c) meet the requirements of Section yyy of this Chapter during the one-year grace period established by that Section and apply for such certification within the time frame specified in that Section.
- (2) To take an examination pursuant to the Fire Prevention Code to obtain a fire suppression system certificate, an applicant is required to provide the Department, in addition to any other information required by the Department, evidence demonstrating that he or she has successfully completed a registered fire suppression system apprenticeship program.
  - (3) The Department shall issue a certification card to persons who meet the qualifications for a certificate. Certificate holders shall carry such card at all times when performing fire suppression work.
- (PA) Fire Suppression System Apprentice Permitting
- (1) To obtain a fire suppression apprentice permit, an applicant must pay an application fee of \$75 and wither:
    - (a) meet the qualification for reciprocity pursuant to Section xx of this Chapter, or
    - (b) obtain a permit under subsection (2) of this Section
  - (2) The Department shall issue a fire suppression system apprentice permit to any person who:
    - (a) completes an application for such a permit established by the Department; and
    - (b) is enrolled in a registered fire suppression system apprenticeship program
  - (3) A fire suppression system apprentice permit issued by the Department shall be valid only for such time as the holder is enrolled in a registered fire suppression system apprenticeship program in accordance with this Chapter.
  - (4) Nothing in this Chapter shall be construed to prohibit a fire suppression system apprentice who is issued a permit pursuant to this Chapter from engaging in work regulated by this Chapter, provided the apprentice is working under the supervision of a fire suppression system certificate holder certified in the relevant classification of work.
- (MA) Sprinkler Contractor: Must be a citizen of the USA, or entitled to work in the USA and be at least eighteen years of age, owner or full time management of a Fire Protection Sprinkler System Contractor, (5) years experience with written proof from employment.
- (MA) Sprinkler Journeyman: High school graduate or state equivalency certificate, must have worked not less than eight thousand (8000) hours in Mass as an apprentice or trainee and has successfully completed no less than eight hundred hours of study in sprinkler training course consisting of practical shop related work,

all NFPA standards related Fire Protection and State Codes; OR, must have worked for not less than six thousand (6000) hours in Mass as an apprentice or trainee and have successfully completed not less than one thousand (10000) hours of study in a sprinkler training course consisting of practical, shop-related work, all NFPA standards related to Fire Protection and State Codes.

(MA) Apprentice Sprinkler Fitter: work under supervision of a licensed Journeyman or Contractor. NO EXAMINATION REQUIRED.

(MA) Provide Recommended Literature (based on NFPA references) for Contractor Exams and Sprinkler Fitter Exams. Application and fee also referenced.

(NV) License: Requirements; application; fee; hearing

1. A license, issued by the State Fire Marshal, is required for:
  - (e) Maintenance, installation or sale of fire extinguishers, fire alarm systems or fire sprinkler systems
2. Applications for licenses must be made on a form prescribed by the State Fire Marshal
3. The State Fire Marshal may conduct inspections, examinations or hearing before issuance of licenses
4. The State Fire Marshal may charge a reasonable fee, to be fixed by regulation, for the inspection and issuance of licenses.
5. If any person is denied a license by the State Fire Marshal, the person is entitled to a hearing, upon request, before a hearing officer.

(NV) Installation, maintenance and service of certain fire systems and supervision thereof: Requirements.

1. No person may:
  - (a) Supervise the installation, maintenance or service of a system described in xxx; or
  - (b) Install, maintain or service a system described in xxx, unless the person has a certificate of registration issued by the State Fire Marshal and is employed by a licensee, including exempt and restricted licenses
2. All work performed under the licensing requirements of this chapter must be supervised on-site, whenever work is being performed on a system, by a holder of certificate of registration. A certificate of registration is not transferable and may not be issued to anyone who has not attained the age of 18 years. The certificate of registration must be in the possession of a registrant when he or she is performing the duties allowed. A person must obtain a certificate of registration before the person may service and test devices regulation by pressure to prevent backflow.

(WI) Fire sprinkler installers

(1)

- (a) Except as provided in xxx, pursuant to yyy, no person may install, maintain or repair automatic fire sprinkler systems unless the person holds a license or registration issued by the department as a licensed automatic fire sprinkler contractor, a licensed journeyman sprinkler fitter, a registered automatic fire sprinkler system apprentice, a registered automatic fire sprinkler contractor-maintenance, or a registered automatic fire sprinkler fitter-maintenance
  - (b) Paragraph (a) does not apply to a person repairing, replacing or maintaining electrical supervisory devices for existing automatic fire sprinkler systems
- (2) No person may conduct the annual activities relative to inspection and testing of an existing automatic fire sprinkler system and components as required by unless the person holds a license or registration issued by the department as a licensed automatic fire sprinkler contractor, a licensed journeyman sprinkler fitter, a registered automatic fire sprinkler system apprentice, a registered automatic fire sprinkler contractor-maintenance, a registered automatic fire sprinkler fitter-maintenance, a registered automatic fire sprinkler system tester or a registered sprinkler tester learner.

(WI) Sprinkler contractors.

(WI) GENERAL. A person licensed as an automatic fire sprinkler contractor shall be responsible for each installation of an automatic fire sprinkler system *as described in (scope)*

(WI) APPLICATION FOR EXAMINATION. A person applying to take an automatic fire sprinkler contractor license examination shall submit all of the following:

- (a) An application in accordance with
- (b) An application fee and examination fee in accordance with

(WI) QUALIFICATIONS FOR EXAMINATION. A person applying for an automatic fire sprinkler contractor license examination shall have on of the following qualifications relating to the engineering principles and skills associated with design, installation and maintenance of automatic fire sprinkler systems:

- (a) At least 1000 hours of experience per year for at least 3 consecutive years as a licensed journeyman automatic fire sprinkler fitter
- (b) Graduated from an accredited 40-year university or college with a degree in civil engineering, mechanical engineering or other approved engineering curriculum related to automatic fire sprinklers
- (c) At least 1000 hours of experience per year for at least 7 years in automatic fire sprinkler design or installation. Each semester spend full-time in a school of civil or mechanical engineering or other accredited college, university, technical or vocational school in an automatic fire sprinkler-related program shall be considered equivalent to 500 hours of experience, with no more

than 3000 hours and 3 years of experience through education being credited toward the 7 years of experience

- (d) A Level III certification in fire protection/automatic fire sprinkler system layout from the national institute for certification in engineering technologies

EXAMINATION. A person seeking to obtain an automatic fire sprinkler contractor license shall take and pass an examination in accordance with

APPLICATION FOR LICENSE. Upon notification of the successful passage of the examination for an automatic fire sprinkler system contractor license, a person may obtain the license by submitting an application and the license fee in accordance with

RESPONSIBILITIES.

- (a) A person who installs, inspects, tests or maintains an automatic fire sprinkler system as a licensed automatic fire sprinkler contractor shall utilize the appropriately licensed or registered persons to install, inspect, test or maintain automatic fire sprinkler systems
- (b) For any construction project that requires a (uniform building) permit under..., a person who holds a sprinkler contractor certification may not commence installation of fire sprinklers until a general contractor's permit is issued for the installation.

(WI) RENEWAL.

- (a) A person may renew his or her license as an automatic fire sprinkler contractor
- (b) An automatic fire sprinkler contractor license shall be renewed in accordance with
- (c)
  - 1.
    - a. The renewal of a license as an automatic fire sprinkler contractor which has an expiration date on or before June 30, 2010 shall be contingent upon the automatic fire sprinkler contractor obtaining at least 12 hours of acceptable continuing education prior to the expiration date of the license as specified in
    - b. The renewal of a license as an automatic fire sprinkler contractor which has an expiration date after June 30, 2010 shall be contingent upon the automatic fire sprinkler contractor obtaining at least 24 hours of acceptable continuing education prior to the expiration date of the license as specified in
  - 2. A person who holds a license as an automatic fire sprinkler contractor may apply to the department for waiver of the continuing education requirements under subd 1 on the grounds of prolonged illness or disability

or similar circumstances. Each application for waiver shall be considered individually on its merits by the department.

(WI) Journeyman sprinkler fitters.

GENERAL. The activities under (scope) may be undertaken by a person who holds a license as a licensed journeyman automatic fire sprinkler fitter shall be performed under the general supervision of a person who holds a license as a licensed automation fire sprinkler contractor.

APPLICATION FOR EXAMINATION. A person applying to take a journeyman automatic fire sprinkler fitter license examination shall submit all of the following:

- (a) An application in accordance with
- (b) An application fee and examination fee in accordance with

QUALIFICATIONS FOR EXAMINATION. A person applying for journeyman automation fire sprinkler fitter license examination shall have completed an automatic fire sprinkler system apprenticeship recognized under

EXAMINATION. A person seeking to obtain a journeyman automatic fire sprinkler fitter license shall take and pass an examination in accordance with

APPLICATION FOR LICENSE. Upon notification of successful passage of the examination for journeyman automatic fire sprinkler system fitter licensee, a person may obtain the license by submitting an application and the license fee in accordance with

RENEWAL

- (a) A person may renew his or her license as a journeyman automatic fire sprinkler fitter
- (b) A journeyman automatic fire sprinkler fitter license shall be renewed in accordance with
- (c)
  - 1.
    - a. The renewal of a license as a journeyman automatic fire sprinkler fitter which has an expiration date on or before June 30, 2010 shall be contingent upon the automatic fire sprinkler contractor obtaining at least 12 hours of acceptable continuing education prior to the expiration date of the license as specified in
    - b. The renewal of a license as a journeyman automatic fire sprinkler fitter which has an expiration date after June 30, 2010 shall be contingent upon the automatic fire sprinkler contractor obtaining at least 24 hours of acceptable continuing education prior to the expiration date of the license as specified in

2. A person who holds a license as a journeyman automatic fire sprinkler fitter may apply to the department for waiver of the continuing education requirements under subd 1 on the grounds of prolonged illness or disability or similar circumstances. Each application for waiver shall be considered individually on its merits by the department.

(WI) Sprinkler system apprentices.

GENERAL. The activities under (scope) may be undertaken by a person who holds a registration as a registered automatic fire sprinkler system apprentice shall be performed under the general supervision of a licensed automatic fire sprinkler contractor.

APPLICATION FOR REGISTRATION. A person applying for an automatic fire sprinkler system apprentice registration to install, test or maintain automatic fire sprinkler systems shall submit all of the following:

- (c) An application in accordance with
- (d) An application fee and examination fee in accordance with

QUALIFICATIONS FOR REGISTRATION. A person applying for an automatic fire sprinkler system apprentice registration to install, test or maintain automatic fire sprinkler system shall be entered into a sprinkler fitter apprentice contract recognized under

(WI) RENEWAL

- (d) A person may renew his or her registration as an automatic fire sprinkler system apprentice
- (e) An automatic fire sprinkler system apprentice registration shall be renewed in accordance with
- (f)

3.

- c. The renewal of a license as a journeyman automatic fire sprinkler fitter which has an expiration date on or before June 30, 2010 shall be contingent upon the automatic fire sprinkler contractor obtaining at least 12 hours of acceptable continuing education prior to the expiration date of the license as specified in
  - d. The renewal of a license as a journeyman automatic fire sprinkler fitter which has an expiration date after June 30, 2010 shall be contingent upon the automatic fire sprinkler contractor obtaining at least 24 hours of acceptable continuing education prior to the expiration date of the license as specified in
4. A person who holds a license as a journeyman automatic fire sprinkler fitter may apply to the department for waiver of the continuing education requirements under subd 1 on the grounds of prolonged illness or

## MASSACHUSETTS

MASS. GEN. LAWS. ANN. 146 §84:

Section 84. No person shall engage in the business of a master pipefitter, or work as a journeyman or apprentice pipefitter or work as a refrigeration technician or work as a fire protection sprinkler system contractor or as a sprinkler fitter unless he is lawfully licensed under the provisions of section eighty-five.

528 CMR: BUREAU OF PIPEFITTERS & REFRIGERATION TECHNICIANS

528 CMR 11.00: PREREQUISITES FOREXAMINATIONS FOR PIPEFITTERS,  
REFRIGERATION TECHNICIANS, AND SPRINKLER SYSTEMS

11.03:

### Sprinkler Systems

(1) All completed and approved applications for examination shall be filed with the Bureau 30 days before the day of examination.

(2) Every applicant for a journeyman's sprinkler license must be a high school graduate or possess a state equivalency certificate. Furthermore, each applicant:

(a) Shall have worked for not less than 8,000 hours in Massachusetts as an apprentice or trainee and have successfully completed not less than 144 hours of study for each year of the term of apprenticeship. The sprinkler training course must be approved by the Bureau of Pipefitters and Refrigeration Technicians and shall consist of practical, shop-related work; all N.F.P.A. standards related to Fire Protection and State Codes; (related instruction classes, correspondence courses, or other specially designed curriculum, anyofwhich must be approved by this Bureau is considered acceptable in satisfying this requirement) OR

(b) may be admitted for examination as a journeyman by a majority vote of the Bureau of Pipefitters, Refrigeration Technicians, and Sprinkler Fitters:

1. by possessing qualifications other than those specified herein; or

2. by possessing a sprinkler fitter's license or certificate from any other state or foreign country without serving the required time as an apprentice as specified in 528 CMR 11.00.

(3) Candidates for examination must pass a written examination and must receive 70% or better to qualify for a license.

(4) For the purpose of computing the requirement for a student or graduate of a sprinkler fitter technician course accredited by a recognized State or Federal accrediting agency or licensed by the Massachusetts Department of Education, the Director of the school shall verify the transcript of the actual attendance and grade.

(5) Requirement for Contractor

(a) To become a contractor under 528 CMR 11.03, an applicant must have satisfactorily passed an examination prescribed by the Department of Public Safety.

(b) Every applicant shall fulfill the following requirements:

1. Must be a citizen of the United States of America, or entitled to work in the United States of America, and at least 18 years of age;

2. Must be a person or an owner, partner, officer, or in a full time management position of a fire protection sprinkler system Contractor;

3. Must have five years of experience in the fire protection sprinkler system business in a responsible position such as managing, preparing technical drawings, or performing installation and provide written proof from his employers detailing his length of time and positions held.

a. For only an oral examination obtain (NICET Level III) certification in fire sprinkler system technology or a nationally recognized equivalent. OR

b. Must satisfactorily pass a written examination prescribed by the Department of Public Safety.

4. Must provide documentation of successfully completing a recognized course of instructions, approved by the Bureau which covers the following applicable sections of Massachusetts General Laws and Regulations for the requirements of sprinkler system installations:

M.G.L.c. 148, Fire Prevention

527 CMR Board of Fire Prevention Regulations

780 CMR State Building Code

(c) Every applicant shall make application to the Department of Public Safety and pay the fees required.

REGULATORY AUTHORITY

528 CMR 11.00: M.G.L. c. 146, §§ 81 through 88; c. 22, § 10

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License: Requirements; application; fee; hearing.

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## **2013 Nevada Revised Statutes**

### **Chapter 477 - State Fire Marshal**

### **NRS 477.033 - License: Requirements; application; fee; hearing.**

**Universal Citation:** NV Rev Stat § 477.033 (2013)

1. A license, issued by the State Fire Marshal, is required for:
  - (a) Maintenance, installation or sale of fire extinguishers, fire alarm systems or fire sprinkler systems.
  - (b) Use of explosives in any commercial construction, but not in mining or the control of avalanches.
  - (c) Commercial fireworks displays.
2. Applications for licenses must be made on a form prescribed by the State Fire Marshal.
3. The State Fire Marshal may conduct inspections, examinations or hearings before the issuance of licenses.

4. The State Fire Marshal may charge a reasonable fee, to be fixed by regulation, for the inspection and issuance of licenses.

5. If any person is denied a license by the State Fire Marshal, the person is entitled to a hearing, upon request, before a hearing officer.

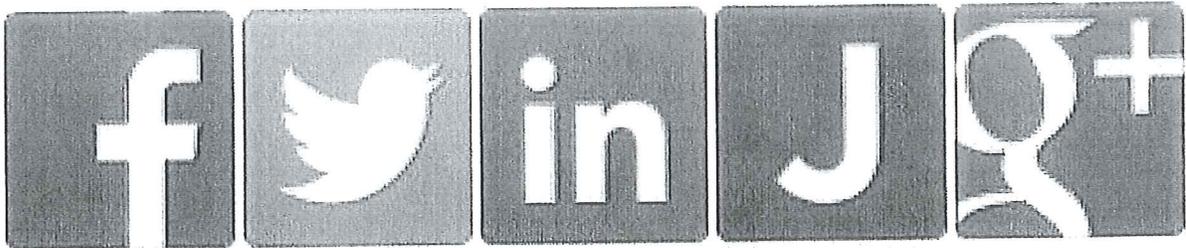
(Added to NRS by 1967, 152; A 1973, 333; 1977, 75; 1979, 126; 1985, 330)

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**FIRE SYSTEMS****General Provisions****NAC 477.335 Visual inspections. (NRS 477.030)**

1. All pre-engineered or engineered fixed fire extinguishing systems, fire alarm systems, standpipe systems, sprinkler systems, fire extinguishers, fixed hood systems, fire hydrants and underground fire sprinkler systems, and any appurtenance thereof, must be visually inspected in accordance with schedules recommended in the appropriate adopted standards as published by the N.F.P.A. Those inspections, other than a required annual inspection and certification, may be conducted by any person, including an employee of a firm, who, in the opinion of the authority having jurisdiction, has sufficient knowledge of the system to conduct a visual inspection and who will maintain an accurate record of such inspections of the system in the designated place for each system.

2. The authority having jurisdiction may visually inspect a fire protection system at any time. All work must comply with the standards adopted for the system being installed. The methods or equipment used in the installation must not vary from those required by the plans pursuant to which the fire protection system is being installed and the applicable standard for that fire protection system.

(Added to NAC by St. Fire Marshal, eff. 1-19-84; A 3-9-89; 8-24-90; 2-17-94; R220-99, 9-25-2000; R062-04, 9-3-2004; R090-10, 12-30-2011)

**Regulation of Persons Engaged in Business Related to Fire Systems****NAC 477.340 Scope; applicability. (NRS 477.030, 477.033)**

1. The provisions of NAC 477.340 to 477.370, inclusive, prescribe the requirements for the licensing of persons engaged in the sale, leasing, installation or servicing of fire systems and components of fire systems.

2. The provisions of NAC 477.340 to 477.370, inclusive, apply to all:

- (a) Persons within or conducting business within the State unless specifically excepted; and
- (b) Fire systems and components installed within the State after November 27, 1978.

[St. Fire Marshal, §§ 3.101-3.102, eff. 11-27-78]—(NAC A 8-22-86, eff. 9-1-86; 2-17-94; R220-99, 9-25-2000; R062-04, 9-3-2004; R090-10, 12-30-2011)

**NAC 477.345 Licenses: Requirements; classifications; application. (NRS 477.030, 477.033)**

1. Any firm that holds a license to service or install any fire alarm system, standpipe system, residential sprinkler system or automatic sprinkler system must be properly equipped and shall employ personnel who are qualified to install and perform service on fire alarm systems, standpipe systems, assemblies for the prevention of backflow, residential sprinkler systems, automatic sprinkler systems, fire hydrants and underground fire sprinkler systems, and any appurtenance thereof, and must possess a state contractor's license which is pertinent to the work being performed. Licenses will be issued in four basic classifications:

- (a) Type E: Authorizes the holder to design the placement of, install, maintain and service engineered or pre-engineered fixed fire extinguishing systems.
- (b) Type F: Authorizes the holder to design the placement of, install, maintain and service fire alarm systems.
- (c) Type G: Authorizes the holder to design the placement of, install, maintain and service automatic sprinkler systems.
- (d) Type I: Authorizes the holder to design the placement of, install, maintain and service fire standpipe systems.
- (e) Type J: Authorizes the holder to design the placement of, install, maintain and service residential sprinkler systems which are classified as 13-D systems.

2. Each application must be accompanied by the required fee, be notarized and contain the following information:

- (a) The name, address and telephone number of the firm.
- (b) Fictitious name used, if any.
- (c) The type of work performed.
- (d) Other pertinent information required by the State Fire Marshal.

3. Any firm that holds a license shall report, in writing, to the State Fire Marshal on or before December 31 of each year the name and certificate number of each registrant employed by the firm.  
[St. Fire Marshal, §§ 1.501-1.504, eff. 11-27-78]—(NAC A 1-19-84; 8-22-86, eff. 9-1-86; 2-17-94; R220-99, 9-25-2000; R090-10, 12-30-2011)

**NAC 477.346 Installation, maintenance and service of certain fire systems and supervision thereof: Requirements. (NRS 477.030)**

1. No person may:
  - (a) Supervise the installation, maintenance or service of a system described in NAC 477.345; or
  - (b) Install, maintain or service a system described in NAC 477.345,↪ unless the person has a certificate of registration issued by the State Fire Marshal and is employed by a licensee, including exempt and restricted licenses.
2. All work performed under the licensing requirements of this chapter must be supervised on-site, whenever work is being performed on a system, by a holder of a certificate of registration. A certificate of registration is not transferable and may not be issued to anyone who has not attained the age of 18 years. The certificate of registration must be in the possession of the registrant when he or she is performing the duties allowed. A person must obtain a certificate of registration before the person may service and test devices regulated by pressure to prevent backflow.

(Added to NAC by St. Fire Marshal, eff. 1-19-84; A 3-9-89; 2-17-94; R090-10, 12-30-2011)

# City of Philadelphia



(Bill No. 010498-A)

## AN ORDINANCE

Adding a new Chapter 9-2500 to The Philadelphia Code, entitled "Fire Suppression System Workers;" providing for the examination and certification of fire suppression system workers and the permitting of fire suppression system apprentices; prohibiting the performance of fire suppression system work without the necessary certification and/or permit; and providing for penalties; all under certain terms and conditions.

THE COUNCIL OF THE CITY OF PHILADELPHIA HEREBY ORDAINS:

SECTION I. Chapter 9-2500 is hereby added to The Philadelphia Code as Follows:

### CHAPTER 9-2500. FIRE SUPPRESSION SYSTEM WORKERS

§ 9-2501. Definitions.

(1) Contractor. A person that offers to undertake the installation, alteration, repair, testing, servicing, maintenance, inspection and/or certification of fire suppression systems, or any part of such systems.

(2) Fire Prevention Code. Subcode F of the Building and Occupancy Code (Title 4 of The Philadelphia Code) and regulations adopted thereunder.

(3) Fire Suppression System. All automatic and manual systems designated to protect occupants and/or buildings and structures from fire. Such systems include, but are not limited to, water sprinkler, water spray, foam-water, foam water spray, carbon dioxide, foam extinguishing, dry chemical, wet chemical, halogenated and other chemical systems used for fire protection. Such systems also include the supply mains, yard hydrants, standpipes, and hose connections to sprinkler systems. Additionally, tank heaters, air lines and thermal systems used in connection with sprinkler tanks and pumps dedicated for fire suppression use are included.

(4) Fire Suppression System Certificate. A Certificate I or Certificate II issued under the Fire Prevention Code.

(5) Registered Fire Suppression System Apprenticeship Program. A program of apprenticeship training registered with the United States Department of Labor or a State Apprenticeship Council involving at least 8,000 hours of documented practical experience in the installation or maintenance of fire suppression systems and at least 800 hours of classroom, shop or related instruction in the fire suppression system trade.

(6) Work On A Fire Suppression System. The layout, on-site fabrication, testing, inspection, certification, work and practice concerning the construction, installation, alteration, extension, removal, repair, servicing, maintenance or renovation of fire suppression systems.

§ 9-2502. Prohibited Conduct.

(1) No person shall engage, or cause or direct any other person to engage, in work on a fire suppression system who does not have a valid fire suppression system certificate in the classification relating to the work performed or apprentice permit.

(2) No contractor shall solicit, by sign, listing or any other form of advertisement, work on a fire suppression system unless it employs a duly certified and permitted persons.

(3) No person shall knowingly or recklessly make any misrepresentation or omission regarding the status of a person's fire suppression system certification or apprentice permit with the intent to influence, persuade, or induce an individual to contract for fire suppression system work.

(4) No person shall knowingly or recklessly make any misrepresentation or omission regarding fire suppression system work which has been performed or which is to be performed.

(5) The provisions of this Chapter are meant to supplement, and not to replace the provisions of the Fire Prevention Code, provided, however, that to the extent the provisions conflict in any respect, the provisions of this Chapter shall prevail. This Chapter provides requirements in connection with obtaining a fire suppression systems Certificate I or II in addition to those set forth in the Fire Prevention Code. The Certificate I or Certificate II of any certificate holder issued before the effective date of this Chapter shall remain valid for a period of three years from the effective date of this Chapter and thereafter must be renewed pursuant to this Chapter. This Chapter is not intended to regulate requirements related to work on portable fire extinguishers or the requirements for obtaining a fire systems Certificate III.

§ 9-2503 Powers And Duties Of Department of Licenses And Inspections.

(1) The Department shall issue fire suppression systems certificates and apprentice permits under this Chapter and enforce the provisions of this Chapter.

(2) The Department may adopt regulations regarding the issuance of certificates and permits under this Chapter and regarding enforcement of this Chapter that are not inconsistent with this Chapter.

§ 9-2504. Fire Suppression System Certificate.

(1) To obtain a fire suppression system certificate, an applicant must pay an application fee of \$150 and either:

- (a) take and pass an examination pursuant to the Fire Prevention Code;
- (b) meet the qualifications for reciprocity pursuant to Section 9-2506 of this Chapter; or
- (c) meet the requirements of Section 9-2507 of this Chapter during the one-year grace period established by that section and apply for such certification within the time frame specified in that section.

(2) To take an examination pursuant to the Fire Prevention Code to obtain a fire suppression system certificate, an applicant is required to provide the Department, in addition to any other information required by the Department, evidence demonstrating that he or she has successfully completed a registered fire suppression systems apprenticeship program

(3) The Department shall issue a certificate card to persons who meet the qualifications for a certificate. Certificate holders shall carry such card at all times when performing fire suppression system work.

§ 9-2505. Fire Suppression System Apprentice Permitting.

(1) To obtain a fire suppression system apprentice permit, an applicant must pay an application fee of \$75 and either:

- (a) meet the qualifications for reciprocity pursuant to Section 9-2506 of this Chapter; or
- (b) obtain a permit under subsection (2) of this Section..

(2) The Department shall issue a fire suppression system apprentice permit to any person who:

- (a) completes an application for such a permit established by the Department; and
- (b) is enrolled in a registered fire suppression system apprentice program.

(3) A fire suppression system apprentice permit issued by the Department shall be valid only for such time as the holder is enrolled in a registered fire suppression system apprenticeship program in accordance with this Chapter.

(4) Nothing in this Chapter shall be construed to prohibit a fire suppression system apprentice who is issued a permit pursuant to this Chapter from engaging in work regulated by this Chapter, provided the apprentice is working under the supervision of a fire suppression system certificate holder certified in the relevant classification of work.

§ 9-2506. Reciprocity.

The Department shall issue a certificate or apprentice permit within examination, and by reciprocity, to any current/y practicing fire suppression system worker who:

- (1) completes an application certification or permit by reciprocity established by the Department;
- (2) holds a similar authorization granted by any other state or local jurisdiction which establishes qualifications requirements equal to, or greater than, those established under this code (provided that the state or local jurisdiction grants such authorizations to any currently practicing, competent person holding a certificate or apprentice permit under this Code); and
- (3) pays a fee of \$150.

§ 9-2507. Grace Period For Transition To Full Certification and Permitting Requirements.

(1) No person shall be required to possess any certificate or permit mandated by the Chapter in the first 180 days from the effective date of this Chapter. During the period from 181 days after the effective date of this Chapter through one year after the effective date of this Chapter, no person shall be required to possess any certificate or permit mandated by this Chapter provided he or she has submitted the necessary certificate or permit application within 180 days from the effective date of this Chapter

(2) The, Department shall issue a fire suppression system certificate without examination to any person who submits an application for a fire suppression system certificate during the 180 day period after the effective date of this Chapter, provided the applicant pays the required application fee and submits evidence demonstrating he or she has:

- (a) performed at least 10,000 hours of documented full-time practical experience working on fire suppression systems; or
- (b) has completed a registered fire suppression system apprentice program.

§ 9-2508. Registry of Fire Suppression System Certificate And Permit Holders.

To promote the effective enforcement of this Chapter, the Department shall maintain central registry of the names of all persons to it has issued fire suppression system certificates and apprentice permits. This list shall be available for inspection to the public and shall be updated each month to reflect new licenses or permits issued. This list shall also identify the names of any person whose certificate has been revoked or suspended.

§ 9-2509. Expiration Of Certificates And Permits.

Any fire suppression system certificate or apprentice permit issued by the Department under this Chapter shall be valid for a period of three years from the date it is issued and must thereafter be renewed. The Department shall renew for a period of three years any certificate or permit issued under this Chapter upon receiving from the applicant a completed renewal form, as established by the Department and required renewal fee. Renewal fee for certification shall be \$150. Renewal fees for apprentice permits shall be \$75.

§ 9-2510. Penalties.

(1) Any person who violates any provision of this Chapter or regulation adopted by the Department under this Chapter is subject to a fine of not less than \$50 or more than \$300 for each violation.

(2) Each day a person performs fire suppression system work without having a required certificate or apprentice permit in violation of this Chapter shall be a separate violation of this Chapter for which such person shall be liable. Each day a person, corporation, partnership or other business entity employs a person to perform suppression system work who does not have a certificate or apprentice permit in violation of this Chapter shall be a separate violation of this Chapter for which such person or entity shall be liable.

(3) The Department may revoke or suspend a certificate or apprentice permit for any violation of this Chapter or regulation adopted by the Department under this Chapter or upon a finding of technical incompetence.

(4) The Department shall not permit any person who is found in violation of any provision of this Chapter to apply for a certificate or apprentice permit for a period of up to one year. This prohibition may be waived by the Department in its discretion upon a showing of good cause by the applicant.

(5) The Department shall revoke, for a period of up to one year, the fire suppression systems contractor license issued pursuant Code Section 9-1004 of any person, corporation, partnership or other business entity that knowingly or recklessly violates any provision of this chapter.

CERTIFICATION: This is a true and correct copy of the original Bill, Passed by the City Council on December 6, 2001. The Bill was Signed by the Mayor on December 19, 2001.



Marie B. Hauser

Chief Clerk of the City Council

Wisconsin – WIS.ADMIN.CODE §305.50 et seq.

Subchapter V — Fire Sprinkler

SPS 305.50 Fire sprinkler installers.

(1) (a) Except as provided in par. (b), pursuant to ss. 145.15 (4), 145.165 and 145.175, Stats., no person may install, maintain or repair automatic fire sprinkler systems unless the person holds a license or registration issued by the department as a licensed automatic fire sprinkler contractor, a licensed journeyman sprinkler fitter, a registered automatic fire sprinkler system apprentice, a registered automatic fire sprinkler contractor-maintenance, or a registered automatic fire sprinkler fitter-maintenance.

(b) Paragraph (a) does not apply to a person repairing, replacing or maintaining electrical supervisory devices for existing automatic fire sprinkler systems.

(2) No person may conduct the annual activities relative to inspection and testing of an existing automatic fire sprinkler system and components as required by ch. SPS 314 unless the person holds a license or registration issued by the department as a licensed automatic fire sprinkler contractor, a licensed journeyman sprinkler fitter, a registered automatic fire sprinkler system apprentice, a registered automatic fire sprinkler contractor-maintenance, a registered automatic fire sprinkler fitter-maintenance, a registered automatic fire sprinkler system tester or a registered sprinkler tester learner.

Note: The rules of this subchapter further restrict or limit the type of automatic fire sprinkler installations and activities that certain license or registration categories may perform or undertake.

History: Cr. Register, October, 1996, No. 490, eff. 11-1-96; am. (1) (a), Register, March, 1998, No. 507, eff. 4-1-98; am. Register, April, 2000, No. 532, eff. 5-1-00; CR 01-139; am. (2) Register June 2002 No. 558, eff. 7-1-02; CR 11-020; am. (2), Register December 2011 No. 672, eff. 1-1-12; correction in (2) made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672.

**SPS 305.51 Sprinkler contractors.**

(1) General. Except as provided in s. SPS 305.54, a person licensed as an automatic fire sprinkler contractor shall be responsible for each installation of an automatic fire sprinkler system.

(2) Application for examination. A person applying to take an automatic fire sprinkler contractor license examination shall submit all of the following:

(a) An application in accordance with s. SPS 305.01.

(b) An application fee and examination fee in accordance with s. SPS 305.02, Table 305.02.

(3) Qualifications for examination. A person applying for an automatic fire sprinkler contractor license examination shall have one of the following qualifications relating to the engineering principles and skills associated with the design, installation and maintenance of automatic fire sprinkler systems:

(a) At least 1000 hours of experience per year for at least 3 consecutive years as a licensed journeyman automatic fire sprinkler fitter.

(b) Graduated from an accredited 4-year university or college with a degree in civil engineering, mechanical engineering or other approved engineering curriculum related to automatic fire sprinklers.

(c) At least 1000 hours of experience per year for at least 7 years in automatic fire sprinkler design or installation. Each semester spent full-time in a school of civil or mechanical engineering or other accredited college, university, technical or vocational school in an automatic fire sprinkler-related program shall be considered equivalent to 500 hours of experience, with no more than 3,000 hours and 3 years of experience through education being credited toward the 7 years of experience.

(d) A level III certification in fire protection/automatic fire sprinkler system layout from the national institute for certification in engineering technologies.

(4) Examination. A person seeking to obtain an automatic fire sprinkler contractor license shall take and pass an examination in accordance with s. SPS 305.09.

(5) Application for license. Upon notification of the successful passage of the examination for an automatic fire sprinkler system contractor license, a person may obtain the license by submitting an application and the license fee in accordance with ss. SPS 305.01 and 305.09 (7)

(c).

(6) Responsibilities.

(a) A person who installs, inspects, tests or maintains an automatic fire sprinkler system as a licensed automatic fire sprinkler contractor shall utilize the appropriately licensed or registered persons to install, inspect, test or maintain automatic fire sprinkler systems.

(b) For any construction project that requires a uniform building permit under s. SPS 320.08, a person who holds a sprinkler contractor certification may not commence installation of fire sprinklers until a general construction permit is issued for the installation.

Note: Chs. SPS 320 to 325 apply to one- and 2-family dwellings and manufactured dwellings. The department's uniform building permit is issued either by the municipality in which the dwelling is located or by a UDC inspection agency where the municipality does not administer the Uniform Dwelling Code.

(7) Renewal.

(a) A person may renew his or her license as an automatic fire sprinkler contractor.

(b) An automatic fire sprinkler contractor license shall be renewed in accordance with s. SPS 305.07.

(c) 1. a. The renewal of a license as an automatic fire sprinkler contractor which has an expiration date on or before June 30, 2010 shall be contingent upon the automatic fire sprinkler contractor obtaining at least 12 hours of acceptable continuing education within the time period specified in s. SPS 305.08 and Table 305.06, except as provided in subd. 2.

b. The renewal of a license as an automatic fire sprinkler contractor which has an expiration date after June 30, 2010 shall be contingent upon the automatic fire sprinkler contractor obtaining at least 24 hours of acceptable continuing education within the time period specified in s. SPS 305.08 and Table 305.06, except as provided in subd. 2.

2. A person who holds a license as an automatic fire sprinkler contractor may apply to the department for waiver of the continuing education requirements under subd. 1, on the grounds of prolonged illness or disability or similar circumstances. Each application for waiver shall be considered individually on its merits by the department.

History: Cr. Register, October, 1996, No. 490, eff. 11-1-96; cr. (2m) and (6) (c), am. (4) and (5), Register, April, 2000, No. 532, eff. 5-1-00; CR 03-075: renum. (5) to be (5) (a), cr. (5) (b) Register June 2004 No. 582, eff. 8-1-04; CR 06-031: renum. (6) (c) 1. to be 1. a. and am., cr. (6) (c) 1. b. Register October 2006 No. 610, eff. 11-1-06; CR 11-020: renum. (2m) to (6) to be (3) to (7), Register December 2011 No. 672, eff. 1-1-12; correction in (1), (2) (a), (b), and in (4), (5), (6) (b), (7) (b), (c) 1. a., b., as renumbered, made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672.

### **SPS 305.52 Journeyman sprinkler fitters.**

(1) General. The activities under s. SPS 305.50 that may be undertaken by a person who holds a license as a licensed journeyman automatic fire sprinkler fitter shall be performed under the general supervision of a person who holds a license as a licensed automatic fire sprinkler contractor.

(2) Application for examination. A person applying to take a journeyman automatic fire sprinkler fitter license examination shall submit all of the following:

(a) An application in accordance with s. SPS 305.01.

(b) An application fee and examination fee in accordance with s. SPS 305.02, Table 305.02.

(3) Qualifications for examination. A person applying for journeyman automatic fire sprinkler fitter license examination shall have completed an automatic fire sprinkler system apprenticeship recognized under ch. 106, Stats.

(4) Examination. A person seeking to obtain a journeyman automatic fire sprinkler fitter license shall take and pass an examination in accordance with s. SPS 305.09.

(5) Application for license. Upon notification of the successful passage of the examination for a journeyman automatic fire sprinkler system fitter license, a person may obtain the license by submitting an application and the license fee in accordance with ss. SPS 305.01 and 305.09 (7) (c).

(6) Renewal.

(a) A person may renew his or her license as a journeyman automatic fire sprinkler fitter.

(b) A journeyman automatic fire sprinkler fitter license shall be renewed in accordance with s. SPS 305.07.

(c) 1.a. The renewal of a license as a journeyman automatic fire sprinkler fitter which has an expiration date on or before June 30, 2010 shall be contingent upon the journeyman automatic fire sprinkler fitter obtaining at least 12 hours of acceptable continuing education within the time period specified in s. SPS 305.08 and Table 305.06, except as provided in subd. 2.

b. The renewal of a license as a journeyman automatic fire sprinkler fitter which has an expiration date after June 30, 2010 shall be contingent upon the journeyman automatic fire sprinkler fitter obtaining at least 24 hours of acceptable continuing education within the time period specified in s. SPS 305.08 and Table 305.06, except as provided in subd. 2.

2. A person who holds a license as a journeyman automatic fire sprinkler fitter may apply to the department for waiver of the continuing education requirements under subd. 1. on the grounds of prolonged illness or disability or similar circumstances. Each application for waiver shall be considered individually on its merits by the department.

History: Cr. Register, October, 1996, No. 490, eff. 11-1-96; am. (1) and (5), cr. (6) (c), Register, April, 2000, No. 532, eff. 5-1-00; CR 06-031: renum. (6) (c) 1. to be 1. a. and am., cr. (6) (c) 1. b. Register October 2006 No. 610, eff. 11-1-06; correction in (1), (2) (a), (b), (4), (5), (6) (b), (c) 1. a., b. made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672.

**SPS 305.53 Sprinkler system apprentices.**

(1) General. The activities under s. SPS 305.50 that may be undertaken by a person who holds a registration as a registered automatic fire sprinkler system apprentice shall be performed under the general supervision of a person who is a licensed automatic fire sprinkler contractor.

Note: The Department of Workforce Development, Bureau of Apprenticeship Standards has additional supervision standards for apprentices for the purpose of training and education.

(2) Application for registration. A person applying for an automatic fire sprinkler system apprentice registration to install, test or maintain automatic fire sprinkler systems shall submit all of the following:

(a) An application in accordance with s. SPS 305.01.

(b) An application fee and a registration fee in accordance with s. SPS 305.02, Table 305.02.

(3) Qualifications for registration. A person applying for automatic fire sprinkler apprentice registration to install, test or maintain automatic fire sprinkler systems shall be entered into a sprinkler fitter apprentice contract recognized under ch. 106, Stats.

(4) Renewal.

(a) 1. A person may renew his or her registration as an automatic fire sprinkler system apprentice.

2. An automatic fire sprinkler system apprentice registration shall be renewed in accordance with s. SPS 305.07.

(b) The renewal of a registration as an automatic fire sprinkler apprentice is contingent upon the person submitting evidence that the person is entered into a sprinkler fitter apprentice contract recognized under ch. 106, Stats.

History: Cr. Register, October, 1996, No. 490, eff. 11-1-96; am. (1) and (2) (b), Register, April, 2000, No. 532, eff. 5-1-00; CR 11-020: am. (3), (4) (b), Register December 2011 No. 672, eff. 1-1-12; correction in (1), (2) (a), (b), (4) (a) 2. made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672.

**SPS 305.54 Sprinkler maintenance contractors.**

(1) General. Pursuant to s. 145.175, Stats., the activities under s. SPS 305.50 that may be undertaken by a person who holds a registration as a registered automatic fire sprinkler contractor-maintenance shall be:

(a) Performed only within the facilities or properties of the business establishment where the person is employed; and

(b) Limited to modifying or extending an existing automatic fire sprinkler system by no more than 15 sprinklers per project.

(2) Application for examination. A person applying to take an automatic fire sprinkler contractor-maintenance registration examination shall submit all of the following:

(a) An application in accordance with s. SPS 305.01.

(b) An application fee and examination fee in accordance with s. SPS 305.02, Table 305.02.

(3) Examination. A person seeking to obtain an automatic fire sprinkler contractor-maintenance registration shall take and pass an examination in accordance with s. SPS 305.09.

(4) Application for registration. Upon notification of the successful passage of the examination for an automatic fire sprinkler contractor-maintenance registration, a person may obtain the registration by submitting an application and the registration fee in accordance with ss. SPS 305.01 and 305.09 (7) (c).

(5) Renewal.

(a) A person may renew his or her registration as an automatic fire sprinkler contractor-maintenance.

(b) An automatic fire sprinkler contractor-maintenance registration shall be renewed in accordance with s. SPS 305.07.

(c) 1. a. The renewal of a registration as an automatic fire sprinkler contractor-maintenance which has an expiration date on or before June 30, 2010 shall be contingent upon the automatic fire sprinkler contractor-maintenance obtaining at least 6 hours of acceptable continuing education within the time period specified in s. SPS 305.08 and Table 305.06, except as provided in subd. 2.

b. The renewal of a registration as an automatic fire sprinkler contractor-maintenance which has an expiration date after June 30, 2010 shall be contingent upon the automatic fire sprinkler contractor-maintenance obtaining at least 12 hours of acceptable continuing education within the time period specified in s. SPS 305.08 and Table 305.06, except as provided in subd. 2.

2. A person who holds a registration as an automatic fire sprinkler contractor-maintenance may apply to the department for waiver of the continuing education requirements under subd. 1. on the grounds of prolonged illness or disability or similar circumstances. Each application for waiver shall be considered individually on its merits by the department.

History: Cr. Register, October, 1996, No. 490, eff. 11-1-96; am. (1) (intro.) and (4), cr. (5) (c), Register, April, 2000, No. 532, eff. 5-1-00; CR 06-031: renum. (5) (c) 1. to be 1. a. and am., cr. (5) (c) 1. b. Register October 2006 No. 610, eff. 11-1-06; CR 06-119: am. (5) (c) 1. b. Register July 2007 No. 619, eff. 8-1-07; correction in (1), (2) (a), (b), (3), (4), (5) (b), (c) 1. a., b. made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672.

**SPS 305.55 Sprinkler maintenance fitters.**

(1) General. Pursuant to s. 145.165, Stats., the activities under s. SPS 305.50 that may be undertaken by a person registered as an automatic fire sprinkler fitter-maintenance shall be performed:

(a) Only within the facilities or properties of the business establishment where employed; and  
(b) Under the general supervision of a person who holds a registration as a registered automatic fire sprinkler contractor-maintenance.

(2) Application for registration. A person applying for an automatic fire sprinkler fitter-maintenance registration shall submit all of the following:

(a) An application in accordance with s. SPS 305.01.

(b) An application fee and a registration fee in accordance with s. SPS 305.02, Table 305.02.

(3) Renewal.

(a) A person may renew his or her registration as an automatic fire sprinkler fitter-maintenance.

(b) An automatic fire sprinkler fitter-maintenance registration shall be renewed in accordance with s. SPS 305.07.

History: Cr. Register, October, 1996, No. 490, eff. 11-1-96; am. (2) (b), Register, March, 1998, No. 507, eff. 4-1-98; am. (1) (b) and (2) (b), Register, April, 2000, No. 532, eff. 5-1-00; correction in (1) (intro.), (2) (a), (b), (3) (b) made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672.

**SPS 305.56 Sprinkler testers.**

(1) General. A person who holds a registration issued by the department as a registered automatic fire sprinkler system tester may conduct the annual activities relative to inspection and

testing of an existing automatic fire sprinkler system and components as required by ch. SPS 314 and NFPA 25.

(2) Qualifications for examination. A person applying for an automatic fire sprinkler system tester shall have one of the following qualifications:

(a) A level II certification in the inspection and testing of water-based automatic fire sprinkler systems from the national institute for certification in engineering technologies.

(b) At least 1,500 hour of automatic fire sprinkler system testing as a registered automatic fire sprinkler system tester learner for at least 18 months.

Note: Sub. (2) is created effective 1-1-13.

(3) Application for examination. A person applying to take an automatic fire sprinkler system tester registration examination shall submit all of the following:

Note: Sub. (3) is shown as renumbered from sub. (2) effective 1-1-13.

(a) An application in accordance with s. SPS 305.01.

(b) An application fee and examination fee in accordance with s. SPS 305.02, Table 305.02.

(4) Examination. A person seeking to obtain an automatic fire sprinkler system tester registration shall take and pass an examination in accordance with s. SPS 305.09.

Note: Sub. (4) is shown as renumbered from sub. (3) effective 1-1-13.

(5) Application for registration. Upon notification of the successful passage of the examination for an automatic fire sprinkler system tester registration, a person may obtain the registration by submitting an application and the registration fee in accordance with ss. SPS 305.01 and 305.09 (7) (c).

Note: Sub. (5) is shown as renumbered from sub. (4) effective 1-1-13.

(6) Renewal.

(a) A person may renew his or her registration as an automatic fire sprinkler system tester.

(b) An automatic fire sprinkler system tester registration shall be renewed in accordance with s. SPS 305.07.

(c)

1. The renewal of a registration as an automatic fire sprinkler system tester which has an expiration date after December 31, 2013 shall be contingent upon the automatic fire sprinkler system tester obtaining at least 12 hours of approved continuing education within the time specified in s. SPS 305.08 and Table 305.06, except as provided in subd. 2.

2. A person who holds a registration as an automatic fire sprinkler system tester may apply to the department for waiver of the continuing education requirements under subd. 1, on the grounds of prolonged illness or disability or similar circumstances. Each application for waiver shall be considered individually on its merits by the department.

Note: Sub. (6) (a) and (b) are shown as renumbered from sub. (5) (a) and (b) effective 1-1-13 by CR 11-020. Par. (c) was created as sub. (6) (c) eff. 1-1-12, is renumbered to sub. (5) (c) by the LRB under s. 13.92 (4) (b) 7., Stats., effective 1-1-12, and is renumbered back to (6) (c) effective 1-1-13 by CR 11-020.

History: Cr. Register, October, 1996, No. 490, eff. 11-1-96; am. (2) (b), (4), Register, March, 1998, No. 507, eff. 4-1-98; am. (1) and (4), Register, April, 2000, No. 532, eff. 5-1-00; CR 01-139: am. (1) Register June 2002 No. 558, eff. 7-1-02; CR 11-020: cr. (6) (c), Register December 2011 No. 672, eff. 1-1-12; CR 11-020: renum. (3) to (5) to be (4) to (6), cr. (2), (6) (c), Register December 2011 No. 672, eff. 1-1-13; renumbering of (6) (c) to be (5) (c) under s. 13.92 (4) (b) 1, correction in (1), (3) (a), (b), (4), (5), (6) (b), (c) 1. made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672.

**SPS 305.57 Sprinkler tester learners.**

(1) General. The automatic fire sprinkler system tester activities that may be undertaken by a person who holds a registration as a registered automatic fire sprinkler system tester learner shall be performed under the direct supervision of a person who holds a fire sprinkler contractor license, a journeyman fire sprinkler license, or automatic fire sprinkler tester registration.

(2) Application for registration. A person applying for an automatic fire sprinkler system tester learner registration shall submit all of the following:

(a) An application in accordance with s. SPS 305.01.

(b) An application fee and a registration fee in accordance with s. SPS 305.02, Table 305.02.

(3) Qualification for registration. A person applying for an automatic fire sprinkler system tester learner registration shall be at least 16 years old and shall have completed the 12th grade in school or equivalent.

History: CR 11-020: cr., correction in (2) (a), (b) made under s. 13.92 (4) (b) 7., Stats., Register December 2011 No. 672, eff. 1-1-12.