

## **R710. Public Safety, Fire Marshal.**

### **R710-11. Fire Alarm System Inspecting and Testing.**

#### **R710-11-1. Adoption, Title, Purpose, and Prohibitions.**

Pursuant to Section 53-7-204, Utah Code Annotated 1953, the Utah Fire Prevention Board adopts minimum rules to provide regulation to those who inspect and test fire alarm systems.

There is adopted as part of these rules the following codes which are incorporated by reference:

1.1 National Fire Protection Association (NFPA), Standard 72, National Fire Alarm Code, 2007 edition, except as amended by provisions listed in R710-11-6, et seq.

1.2 International Fire Code (IFC), 2009 edition, excluding appendices, as published by the International Code Council, Inc. (ICC), and as enacted and amended by the Utah State Legislature in Sections 102 and 201 of the State Fire Code Adoption Act.

1.3 A copy of the above-mentioned standard is on file in the Office of Administrative Rules and the State Fire Marshal's Office.

#### **R710-11-2. Definitions.**

2.1 "Annual" means a period of one year or 365 calendar days.

2.2 "Authority Having Jurisdiction (AHJ) means the State Fire Marshal, his duly authorized deputies, the local fire enforcement authority, and building officials.

2.3 "Board" means Utah Fire Prevention Board.

2.4 "Certificates of Registration" means a written document issued by the SFM to any person for the purpose of granting permission to such person to perform any act or acts for which authorization is required.

2.5 "Inspecting and Testing" means work completed to ensure that the system operates properly as required in Section 1.2 of these rules.

2.6 "IFC" means International Fire Code.

2.7 "NFPA" means National Fire Protection Association.

2.8 "NICET" means National Institute for Certification in Engineering Technologies.

2.9 "SFM" means State Fire Marshal or authorized deputy.

2.10 "Service" means inspecting and testing of fire alarm systems.

2.11 "UCA" means Utah State Code Annotated 1953 as amended.

#### **R710-11-3. Certificates of Registration.**

3.1 Required Certificates of Registration.

No person shall engage in the inspecting and testing of fire alarm systems without first receiving a certificate of registration issued by the SFM. The following groups are exempted from the requirements of this part:

3.1.1 The AHJ that is performing the initial installation acceptance testing of the fire alarm system or ongoing inspections to verify compliance with the adopted NFPA standards and these rules.

3.1.2 The building owner or designee that performs additional periodic inspections beyond the annual inspection required in Section 6.2 of these rules, to satisfy requirements set by company policy, insurance, or risk management.

3.2 Application.

3.2.1 Application for a certificate of registration to inspect and test fire alarm systems shall be made in writing to the SFM on forms provided by the SFM. The applicant shall sign the application. The SFM or his deputies may request picture identification of the applicant for a certificate of registration.

3.2.2 The applicant shall indicate on the application which of the three technician levels the applicant will apply for:

3.2.2.1 Basic Fire Alarm Technician

3.2.2.2 Fire Alarm Technician

3.2.2.3 Master Fire Alarm Technician

3.2.3 The application for a certificate of registration shall be accompanied with proof of public liability insurance from the certificate holder or employing concern. A public liability insurance carrier showing coverage of at least \$100,000 for each incident, and \$300,000 in total coverage shall issue the public liability insurance. The certificate of registration holder shall notify the SFM within 30 days after the public liability insurance coverage required is not longer in effect for any reason.

3.3 Technician Examination.

The SFM shall require all applicants for a certificate of registration as a technician to complete the following:

3.3.1 Basic Fire Alarm Technician shall pass a written examination on basic testing of fire alarm systems or shall be certified as a NICET I. The Basic Fire Alarm Technician shall complete the manipulative skills task book. Work as a Basic Fire Alarm Technician shall be performed under direct supervision of a Fire Alarm Technician or Master Fire Alarm Technician.

3.3.2 Fire Alarm Technician shall pass all the requirements listed for Basic Fire Alarm Technician, and shall pass a written examination on basic testing and maintenance of fire alarm systems limited up to and including four story buildings or shall be certified as a NICET II.

3.3.3 Master Fire Alarm Technician shall pass all the requirements listed for Basic Fire Alarm Technician and Fire Alarm Technician, and shall pass a written examination on fire alarm systems in buildings over four stories, voice alarm/evacuation systems, and smoke control systems or shall be certified as a NICET III or as NICET IV.

3.4 Examinations will be given according to the following requirements:

3.4.1 All certification examinations given are open book examinations. The applicant is allowed to use the statute, the

administrative rule, and the NFPA standard that applies to the certification examination. Any other materials to include cellular telephones are prohibited in the examination room.

3.4.2 Completion of the certification examination will not be allowed if it appears to the test administrator that the applicant has not prepared to take the examination.

3.4.3 Each certification examination taken has a time limit of two hours to completion. To successfully pass the written examination, the applicant must obtain a minimum grade of seventy percent (70%). Leaving the office or testing location before the completion of the examination voids the examination and will require the examination to be retaken by the applicant.

3.4.4 If there are different levels of proficiency in the subject matter, the lower proficiency level will be fully completed before the next higher proficiency will be administered.

3.4.5 To successfully complete the manipulative skills task book, all required skill tasks shall be signed as completed by a person duly qualified or certified in that skill.

3.5 As required in 3.3 of these rules, those applicants that have successfully completed the requirements and are certified by NICET in the skills that correspond to the work to be performed by the applicant, shall have the requirement for written examination waived, after appropriate documentation is provided to the SFM by the applicant.

#### 3.6 Issuance.

Following receipt of the properly completed application, compliance with Section 3.3 of these rules, the SFM shall issue a certificate of registration.

#### 3.7 Original and Renewal Valid Date.

Original certificates of registration shall be valid for one year from the date of application. Thereafter, each certificate of registration shall be renewed annually and renewals shall be valid for one year from issuance.

#### 3.8 Renewal Date.

Application for renewal shall be made as directed by the SFM.

#### 3.9 Re-examination.

Every holder of a valid certificate of registration shall take a re-examination every three years, from date of original certificate, to comply with the provisions of Section 3.3 of these rules as follows:

3.9.1 The re-examination to comply with the provisions of Section 3.3 of these rules, shall consist of an examination for each level of certification, to be mailed to the certificate holder at least 60 days before the renewal date.

3.9.2 The re-examination will consist of questions that focus on changes in the last three years to the adopted NFPA standards, the statute, and the adopted administrative rules. The re-examination may also consist of questions that focus on practices of concern as noted by the Board or the SFM.

3.9.3 The certificate holder is responsible to complete the re-examination and return it to the SFM in sufficient time to renew.

3.9.4 The certificate holder is responsible to return to the SFM the correct renewal fees to complete that certificate renewal.

#### 3.10 Refusal to Renew.

The SFM may refuse to renew any certificate of registration in the same manner and for any reason that he is authorized, pursuant to Section 7, to deny an original certificate of registration. The applicant shall, upon such refusal, have the same rights as are granted by Section 7 of these rules to an applicant for an original certificate of registration, which has been denied by the SFM.

#### 3.11 Inspection.

The holder of a certificate of registration shall submit such certificate for inspection, upon request of the AHJ.

#### 3.12 Type.

Every certificate of registration shall indicate the type of act or acts to be performed and for which the applicant has qualified.

#### 3.13 Change of Address.

Any change in home address of any holder of a valid certificate of registration shall be reported in writing, by the registered person to the SFM within 30 days of such change.

#### 3.14 Duplicate.

A duplicate certificate of registration may be issued by the SFM to replace any previously issued certificate, which has been lost or destroyed.

#### 3.15 Minimum Age.

No certificate of registration shall be issued to any person who is under 18 years of age.

#### 3.16 Restrictive Use.

3.16.1 A certificate of registration may be used for identification purposes only as long as such certificate remains valid.

3.16.2 Regardless of the acts authorized to be performed by a licensed concern, only those acts for which the applicant for a certificate of registration has qualified shall be permissible by such applicant.

#### 3.17 Right to Contest.

3.17.1 Every person who takes an examination for a certificate of registration shall have the right to contest the validity of individual questions of such examination.

3.17.2 Every contention as to the validity of individual questions of an examination shall be made within 48 hours after taking said examination.

3.17.3 The decision as to the action to be taken on the submitted contention shall be made by the SFM, and such decision

shall be final.

3.17.4 The decision made by the SFM, and the action taken, shall be reflected in all future examinations, but shall not affect the grades established in any past examination.

3.18 Non-Transferable.

Certificates of Registration shall not be transferable. The person to whom issued shall carry individual certificates of registration.

3.19 Certificate of Registration Identification.

Every certificate shall be identified by a number. The certificate of registration shall be worn in a visible manner when inspecting and testing fire alarm systems.

3.20 New Employees

New or existing employees desiring to attain a certificate of registration may perform the various acts required while under the constant direct supervision of a person holding a valid certificate of registration for a period not to exceed 90 days from the initial date of employment or beginning service in the field.

#### **R710-11-4. Service Tags.**

4.1 Size and Color.

4.1.1 Tags shall be not more than five and one-half inches (5-1/2") in height, nor less than four and one-half inches (4-1/2") in height, and not more than three inches (3") in width, nor less than two and one-half inches (2-1/2") in width.

4.1.2 Tags may be produced in any color except red or a variation of red.

4.1.3 A red tag shall be used to indicate the system fails to ensure a reasonable degree of protection for life and property from fire through inspecting and testing of fire alarm systems as required in NFPA, Standard 72, and the requirements of these rules. After placing the red tag on the system, the certified person shall notify the AHJ and provide the AHJ with a written copy of the noted deficiencies.

4.1.4 If the AHJ reviews the noted deficiencies on the attached red tag and finds the deficiencies are not consistent with the requirements in NFPA, Standard 72, the red tag shall be removed by the certified person that attached the red tag.

4.2 Placement of Tag.

The service tag shall be attached at the fire alarm control panel for each system inspected or at other locations as needed to show compliance. The service tag shall be attached to the control panel in such a position as to be conveniently inspected by the AHJ.

4.3 Tag Information.

4.3.1 Service tags shall bear the following information:

4.3.1.1 Provisions of Section 4.7.

4.3.1.2 Approved Seal of Registration of the SFM.

4.3.1.3 Certificate of registration number of individual who performed or supervised the service or services performed.

4.3.1.4 Signature of individual whose certificate of registration number appears on the tag.

4.3.1.5 Concern's name.

4.3.1.6 Concern's address.

4.3.1.7 Type of service performed.

4.3.1.8 Type of system serviced.

4.3.1.9 Date service is performed.

4.3.2 The above information shall appear on one side of the service tag. All other desired printing or information shall be placed on the reverse side of the tag.

4.4 Legibility.

4.4.1 The certificate of registration number required in Section 4.3.1.3, and the signature required in Section 4.3.1.4, shall be printed or written distinctly.

4.4.2 All information pertaining to date and type of service shall be indicated on the card by perforations in the appropriate space provided. Each perforation shall clearly indicate the desired information.

4.5 Format.

ILLUSTRATION ON FILE IN STATE FIRE MARSHAL'S OFFICE

4.6 New Tag.

A new service tag shall be attached to a system each time a service is performed.

4.7 Tag Wording.

The following wording shall be placed at the top or reinforced ring end of every tag: "DO NOT REMOVE BY ORDER OF THE STATE FIRE MARSHAL".

4.8 Removal.

4.8.1 No person or persons shall remove a service tag except when further service is performed.

4.8.2 No person shall deface, modify, or alter any service tag that is required to be attached to the system.

4.8.3 A red tag can only be removed by written authority from the AHJ. Verbal authority to initially remove the tag is allowed as long as it is followed by written authority.

4.9 Tag Dates.

Service tags may be printed for any number of years not to exceed eight years.

### **R710-11-5. Seal of Registration.**

#### 5.1 Description.

The official seal of registration of the SFM shall consist of the following:

5.1.1 The image of the State of Utah shall be in the center with an outer ring stating, "Utah State Fire Marshal".

5.1.1.1 The top portion of the outer ring shall have the wording "Utah State".

5.1.1.2 The bottom portion of the outer ring shall have the wording "Fire Marshal".

5.1.2 Appending below the bottom portion and in a centered position, shall be a box provided for the displaying of the certification number assigned to the person.

#### 5.2 Use of Seal.

No person shall produce, reproduce, or use this seal in any manner or for any purpose except as herein provided.

#### 5.3 Permissive Use.

Certificate holders or concerns shall use the Seal of Registration on every service tag.

#### 5.4 Cease Use Order.

No person or concern shall continue the use of the Seal of Registration in any manner or for any purpose after receipt of a notice in writing from the SFM to that effect, or upon the suspension or revocation of the certificate of registration.

#### 5.5 Legibility.

Every reproduction of the Seal of Registration and every letter and number placed thereon, shall be of sufficient size to render such seal, letter, and number distinct and clearly legible.

### **R710-11-6. Amendments and Additions.**

#### 6.1 Service.

At the time of service, all servicing shall be done in accordance with the adopted NFPA standard, adopted statutes, and these rules.

#### 6.2 Frequency.

Fire alarm systems shall be inspected annually by a person holding the appropriate certificate of registration as required in Section 3.1 of these rules.

#### 6.3 New Systems.

Newly installed fire alarm systems are exempt from the annual testing requirement required in Section 6.2 of these rules, for one year from the approval date of the initial installation acceptance testing.

#### 6.4 International Fire Code

6.4.1 IFC, Chapter 9, Section 907.3, Where required in existing buildings and structures, is deleted and rewritten as follows: "An approved automatic fire detection system shall be installed in accordance with the provisions of this code and NFPA 72. Devices, combinations of devices, appliances, and equipment shall be approved. The automatic fire detectors shall be smoke detectors, except an approved alternative type of detector shall be installed in spaces such as boiler rooms where, during normal operation, products of combustion are present in sufficient quantity to actuate a smoke detector".

6.4.2 IFC, Chapter 46, Section 4603.6, Fire alarm systems, are deleted and rewritten as follows: "An approved automatic fire detection system shall be installed in accordance with the provisions of this code and NFPA 72. Devices, combinations of devices, appliances, and equipment shall be approved. The automatic fire detectors shall be smoke detectors, except an approved alternative type of detector shall be installed in spaces such as boiler rooms where, during normal operation, products of combustion are present in sufficient quantity to actuate a smoke detector".

#### 6.5 National Fire Protection Association

6.5.1 NFPA 72, Chapter 2, Section 2.2 is amended to add the following NFPA standard: NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection, 2007 edition.

6.5.2 NFPA 72, Chapter 4, Section 4.3.2.2(2) is deleted and rewritten as follows: National Institute of Certification in Engineering Technologies (NICET) fire alarm level II certified personnel.

6.5.3 NFPA 72, Chapter 4, Section 4.3.3(2) is deleted and rewritten as follows: National Institute of Certification in Engineering Technologies (NICET) fire alarm level II certified personnel.

6.5.4 NFPA 72, Chapter 4, Section 4.4.3.7.2 is amended to add the following sentence: When approved by the AHJ, the audible notification appliances may be deactivated during the investigation mode to prevent unauthorized reentry into the building.

6.5.5 NFPA 72, Chapter 4, Section 4.4.5 is deleted and rewritten as follows: Automatic smoke detection shall be provided at the location of each fire alarm control unit(s), notification appliance circuit power extenders, and supervising station transmitting equipment to provide notification of fire at the location.

6.5.5.1 NFPA 72, Chapter 4, Section 4.4.5, Exception No. 1: When ambient conditions prohibit installation of automatic smoke detection, automatic heat detection shall be permitted.

6.5.6 NFPA 72, Chapter 4, Section 4.5.2.1, RECORD OF COMPLETION, or equivalent form approved by the SFM shall be used as the accepted forms for testing and inspecting fire alarm systems.

6.5.7 NFPA 72, Chapter 6, Section 6.8.5.9 is amended to add the following section: 6.8.5.9.3 Automatic fire pumps shall be supervised in accordance with NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection, and the AHJ.

6.5.8 NFPA 72, Chapter 7, Section 7.4.1.2 is amended as follows: On line three delete "110dBA" and replace it with

“120dBA”.

6.5.9 NFPA 72, Chapter 8, Section 8.3.4.7 is amended as follows: On line two, after the word “notified” insert the words “without delay”.

6.5.10 NFPA 72, Chapter 10, Section 10.2.2.5.1 is deleted and rewritten as follows: Service personnel shall be qualified and experienced in the inspection, testing and maintenance of fire alarm systems. Qualified personnel shall meet the certification requirements stated in Utah Administrative Code, R710-11-3, Fire Alarm System Inspecting and Testing.

#### **R710-11-7. Adjudicative Proceedings.**

7.1 All adjudicative proceedings performed by the agency shall proceed informally as authorized by UCA, Sections 63G-4-202 and 63G-4-203.

7.2 The issuance, renewal, or continued validity of a certificate of registration may be denied, suspended, or revoked, if the SFM finds that the applicant or the person has committed any of the following violations:

7.2.1 The applicant or person is not the real person of interest.

7.2.2 The applicant or person provides material misrepresentation or false statements on the application.

7.2.3 The applicant or person refuses to allow inspection by the SFM, or his duly authorized deputies.

7.2.4 The applicant or person for a certificate of registration does not have the proper equipment to conduct the operations for which application is made.

7.2.5 The applicant or person for a certificate of registration does not possess the qualifications of skill or competence to conduct the operations for which application is made, as evidenced by failure to pass the examination or manipulative skills pursuant to Section 3.3 of these rules.

7.2.6 The applicant or person refuses to take the examination required by Section 3.3 of these rules.

7.2.7 The applicant or person fails to pay the certification of registration, examination or other required fees as required in Section 8 of these rules.

7.2.8 The applicant or person has been convicted of violating one or more federal, state or local laws.

7.2.9 The applicant or person has been convicted of a violation of the adopted rules or been found by a Board administrative proceeding to have violated the adopted rules.

7.2.10 Any offense or finding of unlawful conduct, or there is or may be, a threat to the public's health or safety if the applicant or person were granted a certificate of registration.

7.2.11 There are other factors upon which a reasonable and prudent person would rely to determine the suitability of the applicant or person to safely and competently engage in the practice of servicing fire alarm system equipment.

7.3 A person whose certificate of registration is suspended or revoked by the SFM shall have an opportunity for a hearing before the Board if requested by that person within 20 days after receiving notice.

7.4 All adjudicative proceedings, other than criminal prosecution, taken by the SFM to enforce the Utah Fire Prevention and Safety Act, and these rules, shall commence in accordance with UCA, Section 63G-4-201.

7.5 The Board shall act as the hearing authority, and shall convene after timely notice to all parties involved. The Board shall be the final authority on the suspension or revocation of a certificate of registration.

7.6 The Board shall direct the SFM to issue a signed order to the parties involved giving the decision of the Board within a reasonable time of the hearing pursuant to UCA, Section 63G-4-203.

7.7 Reconsideration of the Board decision may be requested in writing within 20 days of the date of the decision pursuant to UCA, Section 63G-4-302.

7.8 After a period of three years from the date of revocation, the Board shall review the submitted written application of a person whose certificate of registration has been revoked. After timely notice to all parties involved, the Board shall convene to review the revoked persons application, and that person shall be allowed to present themselves and their case before the Board. After the hearing, the Board shall direct the SFM to allow the person to complete the certification process or shall direct that the revocation be continued.

7.9 Judicial review of all final Board actions resulting from informal adjudicative proceedings shall be conducted pursuant to UCA, Section 63G-4-402.

#### **R710-11-8. Fees.**

8.1 Fee Schedule.

8.1.1 Certificates of Registration (new and renewals):

8.1.1.1 Certificate of registration - \$40.00

8.1.1.2 Duplicate - \$30.00

8.1.2 Examinations:

8.1.2.1 Initial examination - \$30.00

8.1.2.2 Re-examination - \$30.00

8.1.2.3 Three-year examination - \$30.00

8.2 Payment of Fees.

The required fee shall accompany the application for certificate of registration. Certificate of registration fees will be refunded if the application is denied.

8.3 Late Renewal Fees.

8.3.1 Any certificate of registration not renewed on or before the original date of issuance will be subject to an additional fee equal to 10% of the required fee.

8.3.2 When a certificate of registration has expired for more than one year, an application shall be made for an original certificate as if the application was being made for the first time.

**KEY: fire alarm systems**

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