



## **RFDS 9.00 FIRE ALARM SYSTEMS**

### **9.1: GENERAL:**

This standard sets forth the requirements for the design, installation, testing, maintenance and monitoring of all fire alarm system installations in the City of Redmond, including those monitoring sprinkler systems. All such fire alarm systems shall conform to this Standard and the following documents:

- The Redmond Building Code (2012 International Building Code)
- The Redmond Fire Code (2012 International Fire Code)
- State of Washington Administrative Code 51-54
- NFPA Standard 72, "National Fire Alarm Code", 2010 edition
- Redmond Electrical Code is the 2008 NEC
- Nationally recognized standards as accepted by the Fire Code Official.

The most specific and/or restrictive provision shall apply if conflicts occur between the requirements found in these documents, as determined by the Redmond Fire Code Official.

Redmond Fire Department Standards shall constitute the primary reference document for the installation of automatic fire alarm and detection systems.

Required submittals, reviews, approvals, and inspections by the Redmond Fire Department are based upon City of Redmond adopted codes and ordinances, Redmond Fire Department Standards, and nationally recognized standards.

All companies monitoring, installing, maintaining, or servicing fire alarm systems within the City of Redmond shall have a valid City of Redmond business license.

Any individual doing acceptance tests, confidence tests, modification, repair, remodel, or addition to a new or existing system shall also have Seattle Certification and/or a "LIMITED ENERGY SYSTEM CERTIFICATE (06)" per WAC 296-46B-920.

Where NFPA requires reporting to the AHJ such reports are required to be e-mailed in a timely manner. Reports identifying system deficiencies shall be submitted within 5 working days to RFD. Such reports shall be e-mailed to:

ConfidenceTestReports@redmond.gov

### **9.1.2: REQUIRED INSTALLATIONS:**

- 9.1.2.1:** Fire alarm systems shall be installed whenever required by the Redmond Municipal Code 15.06, or other adopted code.

### **9.1.3: DEFINITIONS:**

In addition to the definitions located within the documents noted in RFDS 9.1, the following definitions or clarifications shall be applicable to RFD Standards unless specifically noted.

- 9.1.3.1: Dead Panel:** A condition of any fire alarm control panel where the panel has lost both its primary and secondary sources of power.
- 9.1.3.2: Designer of Record:** A competent individual acceptable to, and in good standing with, the Redmond Fire Department who designs or directly supervises the design of all fire alarm system submittals, re-submittals, and field changes, until complete installation, testing, and final Fire Department acceptance. See section 9.2.2 for requirements.



**9.1.3.3 Device:** For Fee purposes. – The following definition of device is provided to assist in the determination of what constitutes a device for the purpose of calculating fees for fire alarm permits and the determination of which alarm permit is to be used.

One fire alarm system device shall be considered any one of the following:

1. A spot detector  
Exception – If the detector installation requirement is a result of a FACU replacement, that detector does not constitute a device for fee purposes.
2. a visual notification appliance
3. an audible notification appliance
4. a combination audible/visual appliance
5. each piece of a beam detector system
6. a remote power supply
7. a remote annunciator
8. a tamper switch
9. a valve closure switch
10. a hi/low pressure indicator switch
11. a manual initiating appliance  
Exception – If the manual initiating appliance is required as part of the FACU replacement, that appliance does not constitute a device for fee purposes.
12. a supervisory switch connected to the alarm system
13. a secondary control panel
14. a secondary address point
15. a line type detector, per continuous line
16. a magnetic hold open device
17. an air aspirating type detection system (each pipe and control unit) and power sub-panel.
18. or similar individual piece of equipment or appliance

**9.1.3.4: NORCOM:** The current (or any subsequent) dispatch center used by the Redmond Fire Department.

**9.1.3.5: Fire Marshal**– The administrative head of Fire Prevention and the representative of the Chief of the Redmond Fire Department authorized to administer, interpret, and enforce the Redmond Fire Code, or their designees.

**9.1.3.6: Private Office** - A room or area used for the purpose of conducting business or professional administrative services for 1 or 2 named occupants. Offices for use by an employee of a designated type (such as “lab technician only”) are not considered private.

**9.1.3.7: Runner Service** Runner service shall be as required for Central Station Service as defined in NFPA 72.

**9.1.3.8: Third Party Verification:** Is conducted by an independent testing laboratory conducting testing on fire alarm systems, its components, reporting, record keeping, and may include a company’s services and personnel. Redmond Fire Department recognizes “Underwriters Laboratories”, (UL), “Factory Mutual”, (FM Global), and Intertek (ETL). Equivalent services may be approved by the Fire Marshal.



**9.2: PLANS AND PERMITS GENERAL:**

Permits shall be issued to the prime contractor, or approved sub-contractor, providing central station service according to NFPA 72.

A valid permit issued by the Redmond Fire Department shall be required for all installation or modification of any automatic fire alarm system including such systems monitoring automatic fire extinguishing or fire sprinkler systems.

- Maintenance or repair of existing components shall not require a permit unless such maintenance is the replacement of a FACP or transmitter, or over 25 devices. This shall include regularly scheduled and emergency work that is being done to maintain the system in operable condition or repair of damage with the replacement of like equipment or devices so as to return the system to an operable condition. System upgrades, system expansions, or emergency replacement of FACP's and transmitters require a permit.
- A minimum of one permit is required for each building of a multi-building project. A permit is only valid for the work and by the contractor designated by the permit.
- Permits shall be good for 6 months from issuance. An extension may be granted by the Fire Marshal based on the review of a written request, submitted prior to permit expiration, outlining just cause for the requested extension. No permit may be extended after it has expired.
- Emergent Work: Emergent work, not defined as maintenance above, due to the failure or malfunction of equipment shall require a permit.

In the event of an emergency panel or transmitter change out, the Designer of Record shall provide notification to the Redmond Fire Prevention Division by email at [FireDevelopmentServices@redmond.gov](mailto:FireDevelopmentServices@redmond.gov), prior to starting any such work. The notification shall provide the address and description of the work to be performed. The system shall remain on Fire Watch until the work is completed and a Completion and Compliance form is filled out and emailed to Redmond Fire Prevention. Complete permit submittals as required by RFDS 9.2.1 shall then be submitted within 5 business days.

**9.2.1: PERMITS, PLANS AND SPECIFICATIONS:**

**9.2.1.1:** New fire alarm systems shall not be installed nor shall modifications be made to existing systems until a complete application has been submitted, and a permit has been issued, including a Redmond low-voltage electrical permit. The permit inspection card and approved plans must be on site for reference by the Designer of Record, the installer or the fire inspector.

**9.2.1.2: Standard Fire Alarm System Permit** shall be used for all FACP, transmitter, or new system installations; or the installation, replacement, or addition of more than 25 devices.

**Quick Start Fire Alarm System Permit** shall be used for the installation, replacement, or addition of a remote power supply, or 25 or fewer devices only on fire alarm systems that have approved existing Third Party Verification.

**9.2.1.3:** Work begun under the electrical permit only, proceeds at the installer's risk, and



shall not include the placement of devices or equipment. The only low voltage fire alarm work allowed under an electrical permit only is the stringing of wire and the placement of mounting plates or back boxes.

**9.2.1.4: Standard Permit Submittal:** One (1) set of plans, specifications, calculations; and a completed permit application form shall be submitted, via a USB drive, in person to the Redmond Permit Center, 15670 NE 85th St., And shall include all applicable items identified in:

- 2012 IFC section 907.1.2,
- Redmond Fire Code,
- Redmond Fire Department Standards
- NFPA 72 Handbook section 10.14.1 through 10.14.2.1 and 10.18.1.1.

Plans shall include all pertinent information to the scope of work being done.

At a minimum the cover sheet shall include:

1. Prime Contractors name, address, telephone number, contractor's license number and their electrical license number
2. Designer of Record stamp and number
3. Job address
4. Name of tenant
5. General Contractor contact information.
6. Name and contact information for the property management if any
7. Name and contact information of the subscriber
8. Note on the face of the plans the ambient noise range for all the various spaces identified in the plans and the justification (i.e., national standard or previous test) for this ambient level. Also indicate the minimum audibility level (dBm) to be used for the acceptance test.
9. Note on the face of the plans who is contractually responsible for the following:
  - Installation of fire alarm transmitters
  - Alarm, supervisory, and trouble signal monitoring
  - Retransmission
  - Associated record keeping and reporting
  - Testing and maintenance
  - Runner service

**9.2.1.5:** Plans submitted via USB drives, shall be clearly legible regarding all pertinent information. The scale of the plans shall be 1/8" per foot. If base plans are used that have additional but unnecessary information, then the additional information shall be deleted or shall not be copied at greater than half tone.

**9.2.1.6:** New systems shall include a labeled site plan of no smaller than 1":50' scale and indicating the location of the FACP and Sprinkler Riser Room(s)

**9.2.1.7:** Plans shall include exterior elevations to indicate the location of the exterior bell/strobe and/or annunciator; interior cross sections showing typical areas, concealed spaces or unusual construction characteristics; a riser diagram; and details showing structural and/or mechanical elements which might affect spacing requirements (including any obstruction over 80" A.F.F.).



- 9.2.1.8:** Location of each and every system component shall be identified using an appropriate symbol as described with a key on each sheet of the plans that show such components.
- 9.2.1.9:** All system components shall be identified on a component schedule identifying the amount of material, or number of devices to be installed, the temperature rating and power demands (if applicable), manufacturers name, and model number of each type of device, equipment, or material.
- 9.2.1.10:** Provide a plan view schematic for each floor, showing all zones (including existing zones shown on an existing control panel, if applicable). All zones must be labeled with a unique and individual letter or number, and identified clearly as to their respective areas of coverage. The schematic shall indicate which zones are to be transmitted individually and which zones are to be grouped for transmission to the central station. Fire alarm zones shall be in accordance with NFPA 72 Section 10.16.
- 9.2.1.11:** Provide a draft of the required zone maps that will be posted on site, adjacent to the fire alarm control panel.
- 9.2.1.12:** Calculations shall be included with plans that document any deviations from listed spacing, such as reductions for ceiling height or airflow, corridor spacing, or similar; or when otherwise called for in NFPA 72.
- 9.2.1.13: Quick Start” Permit Submittal:** A qualifying Quick Start Permit shall be submitted with the following items:
- Copy of current UL Certificate, FM Placard or Approved Central Station Service alternative
  - Description and scope of work for the project,
  - Location of the work within the building and space
  - One set of manufacturers specification sheets on all equipment to be used, and clearly mark the specific model of equipment used.
  - A statement attesting to the compatibility of all new and existing equipment and devices.

The applicant shall be the same as the company listed on the current UL Certificate, FM Placard or Approved Central Station Service alternative. Generally, plans shall not be required to be submitted with the application, but plans shall be on site for the inspection. The system certificate or placard shall be updated to reflect the modifications and be posted prior to the final alarm inspection.

**9.2.2: DESIGNER OF RECORD:**

- 9.2.2.1:** The designation “Designer of Record” shall refer to a competent individual acceptable to, and in good standing with, the Redmond Fire Department who designs or directly supervises the design of all alarm system submittals, re-submittals, and field changes, until complete installation, testing, and final Fire Department acceptance. This person shall be designated at the beginning of the job and follow it through to completion.
- 9.2.2.2:** Any Designer of Record registered with Redmond who fails to follow the published process for review, installation, and inspection may jeopardize the designer’s standing with the Redmond Fire Department.



9.2.2.3: Proof of review and acceptance by the Designer of Record shall be provided on the cover sheet for standard permits and on the summary sheet for Quick Start Permits, as follows:

(Designer of Record Signature Block Example)

<p><b>DESIGNER OF RECORD</b> John J. Designer, Lead Alarm System Designer John J. Designer Alarm Company 1234 West South Street Seattle, WA, 99999 Phone: 425-555-5555 Fax: 425-555-0000 Designer #: 00-B-999</p>
---

9.2.2.4: Acceptable proof of competence shall be any one of the following:

- “A” - State of Washington Professional Electrical or a Fire Protection Engineer’s license is required. Documentation of certification shall be provided to the Fire Marshal. Satisfactory documentation shall be accepted in writing by the Fire Marshal and by the assignment of a designer number.
- “B” - A valid NICET Level III or higher Certification for Fire Alarm Systems is required. Documentation of certification shall be provided to the Fire Marshal. Satisfactory documentation shall be accepted in writing by the Fire Marshal and by the assignment of a designer number. (Current Redmond DOR’s shall meet the minimum requirements of NICET III effective 7/1/2012.)

Existing Designers of Record that are qualified with a NICET Level II may request an extension of the expiration date of their DOR, not to exceed July 1, 2012. After this date all Designers will need to qualify under either “A” or “B” above.

### 9.2.3: FEES:

9.2.3.1: Fees for “**Quick Start**” permits shall be due and payable at the time of permit application and issuance. The fee will be based upon the proposed number and type of devices. Fees paid on Quick Start permits are non-refundable.

9.2.3.2: The fee for **Standard Permits** will be based upon the proposed number and type of devices. One half of the projected permit fees, plus the technology surcharge, shall be due and payable at the time of permit application. After processing is begun the balance is due and is payable prior to the issuance of the permit.

9.2.3.3: One submittal and one re-submittal will be processed under the initial permit, review, and inspection fees. The review will be performed during normal business hours in the established order. An hourly rate as noted in the adopted fee schedule shall be charged for additional review time for a second or subsequent re-submittal. Additional required devices identified during review



may change the base fee amount. If adjustments are made they shall be reflected in a revised permit fee. Fee changes resulting from additional reviews or devices shall be added to the base permit fees and shall be payable prior to permit issuance.

- 9.2.3.4:** The Designer of Record shall inform the Redmond Fire Prevention Inspection Group at 425-556-2246, if there are discrepancies between the permit description of work and the work as actually installed (field changes). If more devices are installed than shown on the permit, then any additional fees shall be billed to the permit holder.
- 9.2.3.5:** One inspection and two re-inspections are included in the initial permit fees. Additional inspection or re-inspection hours required to final the project shall be charged to the applicant per Section E of the adopted fee schedule.
- 9.2.3.6:** Early morning, evening , weekend, or holiday inspections are a customer service option that is on an as available basis, and is chargeable to the requesting applicant at the adopted overtime rate with a two-hour minimum. The requesting party must make the request in writing and include job, permit, and billing information.

### **9.3: SYSTEM DESIGN:**

#### **9.3.1: GENERAL SYSTEM AND Design REQUIREMENTS**

- 9.3.1.1:** All fire alarm systems located in the City of Redmond (unless specifically excluded by a provision of these standards) shall be monitored by a listed central station approved by the Redmond Fire Department. Any company providing listed central station service and which meets the requirements and performance standards for central station monitoring as listed in NFPA72 section 26.3.2 and RFD Standards, shall be approved.
- 9.3.1.2:** All equipment, devices, and wiring shall be listed by Underwriters Laboratories, Factory Mutual, or another nationally recognized testing agency and shall be used in accordance with their listings.
- 9.3.1.3:** No person shall perform any type of modification to any device or equipment which would void or be contrary to its listing.
- 9.3.1.4:** The system shall be designed and installed in accordance with NFPA 72, RFDS, and 2012 IFC for placement except where specifically noted in this standard.
- 9.3.1.5:** All equipment shall be securely mounted to the structure. Back boxes and straps are required for installations on drop in tile and "t" bar ceilings or similar construction. All junction ("j") boxes used for low voltage fire alarm wiring shall have red painted cover plates.
- 9.3.1.6:** There shall be a minimum 10" fire alarm bell/clear strobe light located on the exterior of all buildings with a required fire alarm system, or a sprinkler system monitored by a fire alarm system. The bell/strobe shall be located on the upper 25% of the building's exterior, facing the street or roadway off of which the building is addressed; or facing the roadway which serves as the main vehicle entrance from that street or roadway; or as directed by the Fire Marshal. A lower location shall be used when tall buildings are built close to a narrow right of way or to avoid obstructions. In these cases a sight line detail shall be



included in the plan submittal. Neither horns nor horn/strobes shall be used to satisfy this require

**9.3.2: CONTROL PANEL REQUIREMENTS:**

- 9.3.2.1:** Fire alarm control units (FACU), secondary control units and remote power supplies shall be located in an approved location, no higher than 5' 6" above finish floor to the top of the viewing window or controls. In sprinkler protected buildings the FACU will be located in the sprinkler riser room. There shall be a smoke detector above the FACU, releasing panels, power supplies, and any other control panel. NFPA 72, Section 10.15
- 9.3.2.2:** If the FACU is located in a room that is not normally occupied, then a remote audible/visual trouble annunciator shall be located in a normally occupied room or area near a main entrance. Fire alarm annunciators shall be located in an approved location, no higher than 5' 6" above finish floor to the top of the viewing panel or controls. Owners or occupants shall not have access to the annunciator access code or keys for fire alarm control functions.
- 9.3.2.3:** A pre-signal feature as found in NFPA 72 Section 23.8.1.2 shall not be allowed.
- 9.3.2.4:** In occupancies that require regular fire drills; such as but not limited to educational, daycare, institutional, nursing, or retirement occupancies; panels shall include an audible test feature. When activated the test switch shall energize all interior alarm indicating devices but shall not transmit an alarm to the central station
- : Analog fire alarm control panels shall have various zones of initiating devices grouped by type (water flow, smoke, heat, trouble, or supervisory), and by zone (1<sup>st</sup> floor, 2<sup>nd</sup> floor). Addressable fire alarm control panels shall have the initiation device descriptions as approved by the fire inspector. Special systems (FM-200, Pre-action, hood systems) shall be grouped separately from other signals or zones on both analog and addressable fire alarm control panels.
- 9.3.2.5:** Signals sent from the fire alarm control panel to the central station, for fire department dispatch, shall be grouped by type (water flow, general fire, trouble or supervisory), and by zone (1<sup>st</sup> floor, 2<sup>nd</sup> floor). At a minimum the following signals will be sent:
- Water Flow, by zone
  - General Fire, by zone (smokes, heats, pulls)
  - Special Systems, (each system by separate signal)
  - General Trouble
  - General Supervisory
- 9.3.2.6:** All required alarm systems used for monitoring required fire protection systems of any type shall have an approved FACU and an approved transmitter. A transmitter shall not be used alone, where stand-alone transmitters are no longer functional or adequate the replacement system shall meet current Code.
- 9.3.2.7:** Key pads with access codes shall not be used for control of a new FACP.
- 9.3.2.8:** Use of existing key pads for fire alarm panel control shall be discontinued upon system modification. Existing key pads shall use a Redmond approved access code and have clear, easily visible, and readily accessible instructions for operation by Redmond Fire Department or alarm company authorized



personnel. Owners or occupants shall not have access to the key pad access code for fire alarm control functions.

**9.3.2.9** : Combination fire systems shall not be allowed (NFPA 72, Section 23.8.4.3)

**9.3.3: INITIATING DEVICES:**

**9.3.3.1:** All detectors or other initiating devices shall be installed according to the RFD Standards and the manufacturer's specifications and instructions.

**9.3.3.2:** Full alarm system coverage for a building shall consist of at least one heat detector, smoke detector or other approved device placed in all rooms, halls, storage areas, basements, attics, lofts, spaces above suspended ceilings, concealed spaces, enclosed storage lockers, closets, walk-in closets or storage containers, attached carports or canopies, booths, saunas, electrical rooms, machine or elevator equipment rooms, and any other rooms, areas, or spaces having an area of six (6) square feet or more unless specifically noted in this section or unless specifically determined by the Fire Marshal as being not required.

**9.3.3.3:** Pull stations that are subject to repeated false alarms shall be fitted with an approved, local-alarming, cover.

**9.3.3.4:** Duct detectors for the control of air handling equipment shall be reported as a supervisory zone and not as an alarm zone. For existing duct detectors they shall be switched from alarm signal to supervisory signal.

**9.3.4: NOTIFICATION DEVICES:** See IFC, Chapter 9 and NFPA 72.

**Note:** Existing, previously approved systems that are being upgraded due to age or inability to maintain the existing system, shall not be required to provide current code required visual notification. Replaced devices shall be installed per current Code and manufactures listing. Nothing in this note shall exclude construction activities within a building from complying with current Code.

**9.4: MONITORING:**

SEE: NFPA 72 SECTIONS 26.3, 26.4, 26.5 AND 26.6.

**9.4.1:** All required fire systems within the jurisdiction of the City of Redmond shall be monitored with approved Central Station Service per NFPA 72, or an approved alternate, and this section.

**9.4.2:** All fire system monitoring shall utilize only approved means of transmission of signals. Alarm transmission shall be by an approved active multiplex transmitter able to transmit and receive status changes, manually or automatically, from an approved alarm panel to an approved central station by one of the following methods:

- a) Direct wire, derived channel type 1
- b) One-way private radio alarm system
- c) Two-way Radio Frequency multiplex system
- d) Digital Alarm Communicator Systems (DACs)

Any new alarm system or new FACP employing one phone line or Managed Voice Facilities Network connection, shall also employ one of the following:

- (1) One-way private radio alarm system



- (2) Two-way RF multiplex system
- (3) Transmission means complying with 26.6.3.1 (see below for this language)

*Exception: Where access to two technologies in the preceding list is not available at the protected premises, with the approval of the authority having jurisdiction, a telephone line (number) shall be permitted to be used as the second transmission means. Each DACT shall be programmed to call a second DACR line (number) when the signal transmission sequence to the first called line (number) is unsuccessful. The DACT shall be capable of selecting the operable means of transmission in the event of failure of the other means. Where two telephone lines (numbers) are used, it shall be permitted to test each telephone line (number) at alternating 6-hour intervals.*

- a) By other means as approved by the Fire Marshal.

**9.4.2:** There shall be one approved fire alarm panel and transmitter per building.

**Exception:** In existing multi-family complexes, with a previously approved system, there may be allowed up to up to 3 multifamily buildings per transmitter if all of the buildings are owned by the same person and located on the same tax parcel. Each building shall still have their own fire alarm control panel and shall send separate and distinct signals to the approved Central Station. As panels are replaced a transmitter shall be added to the replacement panel.

**9.4.3:** Fire alarm transmitters shall be located in the same room as the FACP. It shall be climate and temperature controlled to maintain the rated design limits of the equipment.

**9.4.4:** McCulloh or McCulloh loop are not approved.

**9.4.5:** All central stations serving protected sites in Redmond shall have a direct ring down line to NORCOM as the primary means of alarm transmission.

**9.4.6:** All central stations serving protected sites in Redmond shall have a local access telephone number for the purposes of communication to and from the Redmond Fire Department, and to and from NORCOM. This line shall constitute the secondary means of alarm transmission. A local access telephone number shall be characterized by any number that can be dialed from the Redmond Fire Department without dialing long distance.

## **9.5: SIGNS AND SECURITY:**

**9.5.1:** Access to all fire alarm control panels shall be secured with a lock. Alarm company representatives or subcontractors (with the central station, the installation company, the maintenance company, or emergency repair service company), sprinkler contractors, or representatives of the Redmond Fire Department shall be the only persons authorized to open or operate an alarm panel.

**9.5.2:** When control panels are located inside approved NEMA weatherproof enclosures, closets, or cabinets these enclosures shall be operable without the use of tools. Keys for locks on these doors shall be labeled and kept in the emergency key box.

**9.5.3:** All buildings having required fire protection systems shall install an approved emergency key box. All entrance door keys, grand master keys, master keys, any special keys or access cards, and alarm panel keys shall be labeled and provided by the owner or occupants for installation into the key box. The only approved key box



system for use within the jurisdiction or influence of the City of Redmond is "Knox". For specific information, or the acceptable installation location contact the assigned Fire Inspector for the job

- 9.5.4:** When a control panel is located in a room, the outside of the door shall have a sign with minimum 2" high letters with ¼" stroke which reads "Fire Alarm Room", "Fire Alarm Panel", "Fire Alarm Control", or approved alternate. Signs shall be high-contrast, red and white. In some cases more than one door may be required to be marked in order to identify the panel location. Exterior signs shall be weather resistant. Where the alarm panel room is also the sprinkler riser room both designations shall be used.

## **9.6 ACCEPTANCE TESTING & CERTIFICATE OF COMPLETION:**

NFPA 72 SECTIONS 10.18, 10.19, CHAPTER 14

### **9.6.1: ACCEPTANCE TESTING:**

- 9.6.1.1:** Prior to requesting a final inspection and acceptance test on a system or modification to a system the installer shall perform a satisfactory, 100% pre-test. The entire system, or modification, shall be tested from device(s) to panel to central station unless a phasing plan has been approved by the Fire Code Official prior to the request for final inspection of the system, or modification. A Redmond Fire Department Certificate of Completion form shall be completed, and be provided to the Redmond Fire Department Inspector prior to the start of the final inspection. Failure to provide this at the start of the inspection may result in a cancellation of the inspection.
- 9.6.1.2:** Prior to requesting a final system inspection, the electrical supply system including alarm wiring methods and materials must be approved by the City of Redmond electrical inspector.
- 9.6.1.3:** The fire alarm contractor shall make available a new or recently calibrated decibel meter. At the discretion of the fire inspector a decibel meter may be used to verify the required alarm signal noise level

### **9.7; NOTIFICATION:**

- 9.7.1:** The Fire Marshal shall be notified when any required fire alarm system is placed temporarily out of service and upon restoration of normal service. Contact shall be made via the on duty Battalion Chief by phone at (425) 556-2234 (voice mail may be used), Include the location, occupancy name, time the system is placed out of service, estimated time the system will be out of service, technicians name and company, and the name and phone number of the monitoring company.
- 9.7.1.2:** Central Stations shall notify the Redmond Fire Department in writing at least 30 days prior to the termination of service from an expired contract. This shall be by e-mail [FireDevelopmentServices@redmond.gov](mailto:FireDevelopmentServices@redmond.gov).
- 9.7.1.3:** Central Stations shall notify the Redmond Fire Department in writing at least 30 days prior to the discontinuance of service. This shall be by e-mail [FireDevelopmentServices@redmond.gov](mailto:FireDevelopmentServices@redmond.gov).



**9.7.2: SYSTEMS OUT OF SERVICE:**

- 9.7.2.1:** In the event of temporary failure of the fire alarm system or an excessive number of accidental or non-fire alarm activations, the Fire Marshal is authorized to require the building owner or occupant to provide standby personnel as set forth in "RFDS 14 FIRE WATCH" until the system is restored. While the system is out of service for maintenance or repair the technicians who have placed the system out of service shall be responsible for the duties of a fire watch.
  
- 9.7.2.2:** While any system in an occupied building, or in an unoccupied building, building under construction or building undergoing demolition is shut down, disabled, disarmed, or placed on standby, the sprinkler or fire alarm contractor, installer, runner, or technician, shall be responsible for performing the duties of a fire watch, including maintaining alertness to a fire generated in any space covered by the inoperative system, notification of all occupants as to the status of the system, and maintaining at all times direct access to a reliable means of communication to the fire dispatch center for reporting of a fire incident.
  
- 9.7.2.3:** While any system in an unoccupied building, building under construction or building undergoing demolition is shut down, disabled, disarmed, or placed on standby, and there are no workers in the structure the sprinkler or fire alarm contractor, installer, runner, or technician, shall be responsible for notification of the owner of the building as to the status of the system. The building shall be provided with an approved security plan in keeping with the value of the building and contents. This may range from the temporary boarding up or fencing off of the structure to a full fire watch.

**9.8: THIRD PARTY VERIFICATION:**

Since April 3, 2000 all commercial and multi-family alarm systems in the City of Redmond have been required to be provided with Third Party Verification for Central Station Service as outlined in NFPA 72. New systems, systems undergoing modifications, or systems deemed problematic shall comply with Third Party verification at the completion of installation, modification or repair. **Existing systems not in compliance with this requirement, after July 1, 2011, shall be in violation and be required to comply within 90 days, unless otherwise approved by the Fire Code Official.** Notice of compliance shall be posted on or adjacent to the fire alarm control panel.