CHAPTER 23.45  LOCAL AMENDMENTS TO THE INTERNATIONAL FIRE CODE
2009 EDITION

23.45.102.1 Construction and design provisions.
23.45.105.6 Required operational permits.
23.45.308.1.4 Open-flame cooking devices.
23.45.308.3.1.1 Liquefied-petroleum-gas-fueled cooking devices.
23.45.311.1.1 Abandoned premises.
23.45.401.3 Emergency forces notification.
23.45.405 Emergency evacuation drills.
23.45.408.5.5 Group I-1 resident participation
23.45.408.10.5 Group R-4 resident participation
23.45.408.12 Occupants needing physical assistance
23.45.507.2 Type of water supply
23.45.607.1 Emergency operation
23.45.607.1.1 Compliance date
23.45.901.6.2 Records
23.45.903.2.3 Group E.
23.45.903.2.6 Group I.
23.45.903.2.11 Specific building areas and hazards.
23.45.903.3.5 Water supplies.
23.45.903.4.1 Monitoring.
23.45.906.1 Where required.
23.45.907.1.2 Fire alarm shop drawings.
23.45.907.2.1 Group A.
23.45.907.2.2 Group B.
23.45.907.2.2.1 Group B ambulatory health care facilities.
23.45.907.2.3 Group E.
23.45.907.2.4 Group F.
23.45.907.2.7 Group M.
23.45.907.2.8.1 Group R-1: Manual fire alarm system.
23.45.907.2.9.1 Group R-2: Manual fire alarm system.
23.45.907.7.5 Monitoring.
23.45.908 Emergency alarm systems.
23.45.1008.1.9.7 Delayed egress locks.
23.45.1102.1 Definitions.
23.45.1106.3 Construction of aircraft-fueling vehicles and accessories.
23.45.2211.2.3 Drainage and disposal of liquids and oil-soaked waste.
23.45.2403.5 Use period.
23.45.2404.15 Heating and cooking equipment.
23.45.4603.2 Elevator operation.
23.45.4603.4 Sprinkler systems.
23.45.4603.4 Sprinkler systems.
23.45.4603.6 Fire alarm systems.
23.45.4603.6.5.1 Group R-1 hotel and motel manual fire alarm system.
23.45.Chapter 47
23.45.Appendices
23.45.D102.1  Access and loading.
23.45.D107.1  One- or two-family dwelling residential developments.
23.45.APPENDIX K

23.45.100  Local amendments to the International Fire Code, 2009 Edition.

The amendments to the 2009 Edition of the International Fire Code are listed hereinafter by section. The last digits of the section number (after the title and chapter digits) refer to the section of the International Fire Code to which the amendment applies, i.e., 23.45.103.3.1.1 refers to section 103.3.1.1 of the International Fire Code (2009 Edition).

The 2009 International Fire Code and its Appendices, except for Appendix A and Appendix H, shall be adopted as amended.

23.45.102.1  Construction and design provisions.
Add the following to the end of Item 3:
…except in reference to voluntary upgrades, as defined and governed by the adopted International Existing Building Code (IEBC) per AMC chapter 23.65.

23.45.105.6  Required operational permits.
Amend 105.6 by adding a new subsection:
105.6.47  Connection to municipal fire alarm. An operation permit is required to connect a private fire alarm system to the municipal fire alarm circuit.

23.45.308.1.4  Open-flame cooking devices.
After the word "operated" add "or stored".
After the words "combustible balconies" add "and decks".

23.45.308.3.1.1  Liquefied-petroleum-gas-fueled cooking devices.
After the words "combustible balconies" add "and decks".

23.45.311.1.1  Abandoned premises.
Amend paragraph by deleting reference to “the International Property Maintenance Code”.

23.45.401.3  Emergency forces notification.
Amend by adding new subsection 401.3.4 to read as follows:
401.3.4  False alarm charges. The owner of a building containing a fire alarm or fire protection system shall pay a charge in accordance with section AMC section 8.40.040 for each and every false alarm to which the fire department responds.
As used in this section, “false alarm” means an alarm signal generated by a fire alarm system reporting an alarm for which no fire or emergency actually
exists, and includes system malfunctions, faulty operation of detectors, and false alarms not classified above. It does not include incidents where the detector or system operated as designed, such as but not limited to, a smoke detector sounding from someone smoking under the detector or a manual pull station being pulled.

23.45.405 Emergency evacuation drills.
Amend by adding a new subsection 405.10 to read as follows:

405.10 False alarm. False alarms may not be counted as a fire drill for the purposes of this section.

23.45.408.5.5 Group I-1 resident participation.
Amend by adding the following sentence at the end of section 408.5.5:
Occupynts needing physical assistance from staff or others to respond to emergencies shall also comply with section 23.45.408.12.

23.45.408.10.5 Group R-4 resident participation.
Amend by adding the following sentence at the end of section 408.10.5:
Occupants needing physical assistance from staff or others to respond to emergencies shall also comply with section 23.45.408.12.

23.45.408.12 Occupants needing physical assistance.
Amend 408 by adding new sections as follows:

408.12 Occupants needing physical assistance. Facilities housing occupants needing physical assistance shall comply with sections 408.12.1 through 408.12.4.3.

408.12.1 Applicability. The provisions of this section apply to Group I-1 institutional and Group R-3 and R-4 residential care/assisted living facilities where the occupants need physical assistance from staff or others to respond to an emergency.

408.12.2 Definitions. Evacuation capability means the ability of occupants, residents, and staff as a group either to evacuate a building or to relocate from the point of occupancy to a point of safety; point of safety means a location (a) exterior to and away from a building or (b) within a building of any type construction protected throughout by an approved automatic sprinkler system; and is either (1) within an exit enclosure meeting the requirements of section 1022 or (2) within another portion of the building separated by smoke partitions meeting the requirements of IBC section 710, with not less than one half hour fire resistance rating, and the portion of the building has access to a means of escape or exit conforming to the requirements of this code and does not require return to the area of the fire.

Prompt evacuation capability means a group has the ability to move reliably to a point of safety in a manner equivalent to the ability of a household in the general population as measured under section 408.12.3.
**Slow evacuation capability** means a group has the ability to move reliably to a point of safety in a manner not as rapid as members of a household in the general population, as measured under section 408.12.3.

**Impractical evacuation capability** means a group does not have the ability to reliably move to a point of safety in a timely manner as measured under section 408.12.3.

### 408.12.3 Fire drills

A fire drill conducted by the fire official or other approved licensee shall make the initial determination of evacuation capability. Changes to the evacuation capability shall be based on a record of drills conducted by the facility and recorded for review by the fire official or other licensing official. The drills shall be conducted six (6) times a year on a bimonthly basis, with at least two (2) drills conducted during the night when residents are sleeping. Records shall indicate the time taken to reach a point of safety, date and time of the drill, location of simulated fire origin, escape paths used, and comments relating to residents who resisted or failed to participate in the drills. The relation of drill time to evacuation capability is as follows:

1. Three (3) minutes or less – prompt;
2. Over three (3) minutes but under 14 minutes – slow; or
3. Fourteen (14) minutes or more – impractical.

### 408.12.4 Evacuation capability and fire protection requirements

Fire protection requirements of a facility under this section are as follows:

#### 408.12.4.1 Prompt evacuation capability

Evacuation capability of three minutes or less indicates prompt evacuation capability. In facilities maintaining prompt evacuation capability, the requirements of the code for Groups I-1 or R-4 occupancies shall be followed.

#### 408.12.4.2 Slow evacuation capability

Evacuation capability of more than three but less than 14 minutes indicates slow evacuation capability. In facilities maintaining slow evacuation capability, the facility must be protected by (a) an automatic smoke detection system, using addressable smoke detectors, designed and installed in accordance with the provisions of this code and NFPA 72; and (b) an automatic sprinkler system, with quick response or residential sprinklers, installed in accordance with section 903.3.1.2 and NFPA 13R. A sprinkler system designed and installed in accordance with IFC 903.3.1.3 and NFPA 13D shall be allowed, provided it is equipped with a minimum 30 minute water supply.

#### 408.12.4.3 Impractical evacuation capability

Evacuation capability of fourteen minutes or more indicates impractical evacuation capability. In facilities maintaining impractical evacuation capability, the facility must be protected by (a) the protections for a facility with slow evacuation capability under
section 408.12.4.2; (b) one-half hour fire-resistive construction throughout the facility; and (c) direct egress from sleeping rooms for occupants needing evacuation assistance either (1) to the exterior at grade level, to an exterior porch or landing via a thirty-six (36) inch wide door; or (2) if the sleeping rooms are separated from the rest of the building by smoke partitions installed in accordance with IBC section 710, by egress windows conforming to the provisions of IBC Section 1029.

23.45.507.2 Type of water supply.
Amend by adding a second paragraph and a new exception to 507.2 to read as follows:

The water system shall be designed to the standards of, and have the approval of the water utility providing service in the area. If the water system for a structure is not in an area served by a water utility, it shall meet the standards of the nearest water utility.

Exception: In areas of jurisdiction not served by a water utility, the requirements for water systems as outlined in section 507 need not be met, provided all structures other than structures regulated by the IRC and U occupancies are at least type A construction as defined in the International Building Code, 2009 Edition, or are provided with an approved sprinkler system in accordance with section 903.

23.45.607.1 Emergency operation.
Amend section 607.1 by deleting the first sentence in section 607.1 and replace with:

Existing elevators with a travel distance of 25 feet (7620 mm) or more above or below the main floor or other level of a building and intended to serve the needs of emergency personnel for fire-fighting or rescue purposes shall comply with the requirements in chapter 46.

Amend section 607.1 by adding subsection 607.1.1.

23.45.607.1.1 Compliance date.
Buildings where the elevator(s) have a rise of 75 feet or greater shall have until January 1, 2016 to comply with 607.1. Buildings where the elevator(s) fall within the scope of 607.1 and have a rise of less than 75 feet shall have until January 1, 2018 to comply with 607.1.

23.45.901.6.2 Records.
Amend section 901.6.2 by deleting “upon request” and replacing it with “in accordance with appendix K”.

23.45.903.2.3 Group E.
Delete 903.2.3 and replace with the following:

An automatic sprinkler system shall be provided throughout all buildings that contain a Group E occupancy and for every portion of educational buildings below the level of exit discharge. The use of a fire wall does not establish a
separate building for purposes of this section.

**Exception:** Buildings with Group E occupancies having an occupant load of 49 or less.

Daycare uses licensed to care for more than five (5) persons between the hours of 10 p.m. and 6 a.m. shall be equipped with an automatic sprinkler system designed and installed in accordance with subsection 903.3.1 or an approved equivalent system.

### 23.45.903.2.6 Group I.

Delete the exception and replace with:

**Exception:** Group I-1 facilities shall be protected throughout with an automatic sprinkler system designed and installed in accordance with 903.3.1.1 or 903.3.1.2. Existing group I-1 facilities with a previously approved and installed sprinkler system designed in accordance with NFPA 13D and 903.3.1.3 shall be considered as in compliance.

### 23.45.903.2.11 Specific building areas and hazards.

Amend by adding the following subsection:

**903.2.11.7 Pit sprinklers.** Sprinklers shall be installed in the bottom of all new elevator pits below the lowest projection of the elevator car but no higher than 24" (609.6 mm) from the bottom of the pit.

### 23.45.903.3.5 Water supplies.

Amend by adding new subsection 903.3.5.3 as follows:

**903.3.5.3 Fire sprinkler hydraulic water flow design.** Fire sprinkler hydraulic water flow design shall be by one of the following methods.

1. **Preferred method.** Fire sprinkler hydraulic design water supply shall be from AWWU computer model Max Day demand.
2. **Alternate method.** Can only be used if AWWU computer model cannot be obtained. Fire sprinkler system being designed with water supply data from a hydrant flow test shall have a 10 percent psi minimum safety factor at the water source. Hydrant flow test shall be witnessed by the fire code official or their designee.

### 23.45.903.4.1 Monitoring.

Amend section by adding the following new sentence to the end of the first paragraph.

Central stations, remote stations, or proprietary monitoring stations shall be located within the Municipality or shall have a local representative capable of responding to the location within sixty (60) minutes of notification.

### 23.45.906.1 Where required.

Revise by deleting the Exception under item 1.

### 23.45.907.1.2 Fire alarm shop drawings.

Amend section by adding the following construction drawing to the list of those required to be submitted:

23.45.907.2.1 Group A.
Delete Exception.

23.45.907.2.2 Group B.
Delete Exception.

23.45.907.2.2.1 Group B ambulatory health care facilities.
Delete Exception.

23.45.907.2.3 Group E.
Delete Exceptions #2 & #3.

23.45.907.2.4 Group F.
Delete Exception.

23.45.907.2.7 Group M.
Delete Exceptions #1 & #2.

23.45.907.2.8.1 Group R-1: Manual fire alarm system.
Delete Exception #2.

23.45.907.2.9.1 Group R-2: Manual fire alarm system.
Amend section 907.2.9.1 by deleting first sentence and replacing it with:
A manual fire alarm system and an automatic fire detection system with smoke
detection in the public and common use areas shall be installed in Group R-2
occupancies where:

907.2.9.1: Amend by deleting Exception # 2.

23.45.907.7.5 Monitoring.
Amend by adding a new subsection to read as follows:

907.7.5.2 Connection to municipal fire alarm circuit.
A. A person having a private fire alarm system for one building may
connect the system to a municipal fire alarm circuit, or directly connect
the system to the fire department communications center, after obtaining
a permit for the connection from the fire chief. The fire chief may issue a
permit for the connection if it is determined the connection:
1. Is compatible with the municipal fire alarm circuit or system.
2. Connects an adequate, properly installed and maintained private
alarm system.
3. Substantially benefits the municipal fire prevention system.

B. The permit required by this section shall be issued subject to the Fire
Department rules and regulations and shall be conditional upon such
reasonable requirements, terms, and conditions as the fire chief may
require.
C. A permit may be revoked by the fire chief for noncompliance with the permit standards, rules, regulations, conditions, or restrictions. The permit may be revoked by the fire chief if, in the fire chief’s discretion, it is found the disconnection of the private alarm system is in the best interests of the Municipality. The permit holder may appeal a decision to revoke a permit to the Building Board.

D. The permit holder shall pay the Municipality for the cost of a radio fire alarm box or for covering an existing radio fire alarm box, and for the cost of the initial hookup (one box per building). The permit holder shall pay the cost of providing, installing and maintaining the private system, up to the radio fire alarm box. The maintenance of the private system shall be by a qualified person engaged in the business of installing and maintaining a supervisory fire alarm system, who shall use NFPA 72 as an installation and maintenance standard.

E. It shall be unlawful for a person not authorized by the fire chief to connect or disconnect, temporarily or otherwise, a private fire alarm system, or other wires or conduits leading to a municipal fire alarm circuit or municipal fire system. The fire chief shall authorize specific connection or disconnection by written permit.

F. The permit holder shall pay the following fees for the connection of the private fire alarm system, for one building, to the municipal fire system:

1. Permit Fee $10.
2. Initial Connection Fee $150.
3. Annual Inspection Fee $1,200.

G. It shall be unlawful for any person, firm, association, or corporation to do any act prohibited under this section or to fail to do any act required under this section. Any person, firm, association, and/or corporation violating this section shall be guilty of a misdemeanor and shall be subject to the penalties and remedies set forth in section 23.10.025.

23.45.908 Emergency alarm systems.

Add new section in section 908 Emergency Alarm Systems:

908.7 Carbon monoxide detectors. The provisions of this section shall apply to Group I-1, R-2, R-3 and R-4 occupancies and Group E daycare facilities. At least one (1) carbon monoxide detector shall be installed on each floor level. If a floor level contains bedrooms or sleeping rooms, at least one (1) detector shall be located in the immediate vicinity of the sleeping area, outside of the bedrooms/sleeping rooms.

Carbon monoxide detectors shall be listed and installed in accordance with their listing. The alarm shall be clearly audible in all sleeping rooms with intervening doors closed.

Exceptions:

1. Carbon monoxide detectors are not required in dwelling units and structures with no combustion appliances and with no attached garage.

2. Carbon monoxide detectors are not required in dwelling units and
structures with only direct vent combustion appliances and with no attached garage.

3. Carbon monoxide detectors are not required in Group I-1 and R-2 occupancies where all combustion equipment is located within a mechanical room separated from the rest of the building by construction capable of resisting the passage of smoke. If the structure has an attached parking garage, the garage shall be ventilated by an approved automatic carbon monoxide exhaust system designed in accordance with the mechanical code.

908.7.1 Interconnection. In new construction, all carbon monoxide detectors located within a single dwelling unit shall be interconnected in such a manner that actuation of one alarm shall activate all of the alarms within the individual dwelling units.

908.7.2 Power source. In new construction, carbon monoxide detectors shall receive their primary power from the building wiring where such wiring is served from a commercial source and shall be equipped with a battery backup. Wiring shall be permanent and without disconnecting switch other than those required for overcurrent protection. Carbon monoxide detectors shall be permitted to be cord-and-plug type with battery backup, or battery powered in existing construction.

23.45.1008.1.9.7 Delayed egress locks.
Revise item number 3 to read as follows:
3. The door locks shall have the capability of being unlocked by a signal from an approved location.

23.45.1102.1 Definitions.
The first sentence of the definition of “Airport” is revised to delete the words:
...with an overall length greater than 39 feet (11887mm) and an overall exterior fuselage width greater than 6.6 feet (2012mm).

23.45.1106.3 Construction of aircraft-fueling vehicles and accessories.
Revise 1106.3 by adding a new exception to read:
Exception: A vehicle or trailer tank with a capacity of 500 gallons or less may be used for non-commercial refueling of private non-commercial aircraft provided:
1. The tank is placarded with no smoking signs, the type of fuel contained in the tank, and the tank capacity;
2. The tank and all appurtenances used in the fueling operation are listed and approved for the specific purpose;
3. Electrical bonding is provided as required under Section 1106.3.7.
4. Provide two (2) listed portable fire extinguishers complying with section 906, each having a minimum rating of 20-B:C. A portable fire extinguisher shall be readily accessible from either side.
23.45.2211.2.3 Drainage and disposal of liquids and oil-soaked waste.
Subsection 2211.2.3, first paragraph of the International Fire Code is revised by adding a sentence to read:
Where oil separators or traps are provided, neither the oil nor water phase may drain to septic systems, dry wells, or other means of underground discharge.

23.45.2403.5 Use period.
Add a new exception to read as follows:
Exception: Seasonal Use Structures permitted under AMC section 23.10.104.2.

23.45.2404.15 Heating and cooking equipment.
Amend IFC section 2404.15 by adding at the end of the sentence:
…unless as otherwise approved by the fire code official.

23.45.4603.2 Elevator operation.
Amend section 4603.2 by adding a subsection 4603.2.1.
4603.2.1 Compliance date. Buildings where the elevator(s) have a rise of 75 feet or greater shall have until January 1, 2021 to comply with 4603.2. Buildings where the elevator(s) fall within the scope of 4603.2 and have a rise of less than 75 feet shall have until January 1, 2025 to comply with 4603.2.

23.45.4603.4 Sprinkler systems.
Add two new subsections as follows:
4603.4.3 Group E occupancies. An approved automatic fire extinguishing or fire sprinkler system shall be installed in a Group E occupancy in accordance with section 903.2.3 as amended, whenever additions or level 2 or level 3 alterations are made to an existing structure containing an E Occupancy.
4603.4.4 Pit sprinklers. Sprinklers shall be installed in the bottom of all existing elevator pits below the lowest projection of the elevator car but no higher than 24” from the bottom of the pit.

23.45.4603.4 Sprinkler systems.
Delete 4603.4.2 in the last sentence and replace it with thru 4603.4.4.

23.45.4603.6 Fire alarm systems.
Amend section 4603.6 by adding the following to the end of the exception
…meeting the minimum sound pressure levels: 65 dBA in occupancies in Group R and I-1; and 60 dBA in other occupancies.

23.45.4603.6.5.1 Group R-1 hotel and motel manual fire alarm system.
Amend section 4603.6.5.1 by deleting exception #2.

23.45. Chapter 47.
Amend IFC chapter 47 by adding section D107 as a referenced code section to IWUIC-09 under ICC.
Appendices
Adopt appendices B through G, I, and J and new appendix K.

23.45.D102.1  Access and loading.
Amend section by deleting 75,000 pounds and replacing it with 80,000 pounds (36288 kg).

23.45.D107.1  One- or two-family dwelling residential developments.
Amend section D107.1 by adding exceptions 3, 4 and 5 as follows:

Exceptions:

3. Where there are more than 30 but not more than 100 dwelling units on a single public or private fire apparatus access road and all dwelling units are constructed in accordance with the International Wildland-Urban Interface code, access from two directions shall not be required.

4. The number of dwelling units within multiple developments connected by access streets or peripheral streets (defined by 21.75.035) or any road with collector or greater status shall not be aggregated to determine whether a separate approved fire apparatus road is required.

5. A secondary access road shall not be required if it is determined by the municipal engineer that construction of such a road cannot practicably be built because of significant obstacles such as topographical conditions, public lands such as dedicated parks or other public lands with restricted access or other insurmountable obstacles that the municipal engineer finds to exist preventing construction of a secondary access road.

23.45.APPENDIX K
Appendix of the IFC is revised by adding APPENDIX K as follows:

APPENDIX K
FIRE PROTECTION SYSTEM STATUS REPORTING.
K101
General
K101.1 Scope. Fire protection system service reports shall be in accordance with this appendix and all other applicable requirements of the International Fire Code.

K102
Required Reporting
K102.1 Reporting. All fire service companies providing services in the Building Safety Service Area shall provide a legible copy of the fire system service report to the Division of Fire Prevention, Anchorage Fire Department. System service reports shall contain the following information:

1. Company name, address, and phone number.
2. Inspector’s first and last name and State of Alaska Fire System Permit number issued under 13 AAC 50.035.
3. Contact phone number: office and cell if available.
4. System Status (1-4).
5. Deficiencies shall be typed or legibly hand written and shall be printed text (no cursive/long hand handwriting).
6. All reports shall have building name, occupancy inspected, and address clearly identified on the first page, and all subsequent pages shall have the building name and date of inspection on the top of the page.
7. All reports shall have the building contact person’s name and phone number on the front page.
8. Only white or yellow copies will be accepted for reports submitted.
9. Deficiency write-ups must include the code citation that is in violation and a description of the problem.

K102.2 Fire system status. Fire protection system service reports shall contain the status of the system serviced in accordance with K102.2.1 through K102.2.4.

K102.2.1 Status 1. Systems out of service or having identified major deficiencies shall be reported as Status 1. The fire service company shall immediately contact the Division of Fire Prevention at 267-4900, if the system cannot be returned to service. After-hours or on weekends, contact AFD dispatch at 267-4950. Written notification shall be faxed to the Fire Marshal’s Office within 24 hours at 267-4958.

K102.2.1.1 Corrective action. Systems reported as Status 1 shall be repaired immediately. Building and facilities with systems reported as Status 1 shall comply with IFC 901.7 through 901.7.6, and AFD Firewatch policy 08-010.

K102.2.1.2 Qualifying deficiencies. Systems with deficiencies listed in K102.2.1.2.1 through K102.2.1.2.5 shall be reported as Status 1.

K102.2.1.2.1 Fire sprinkler or water based system:

1. Non-working flow/pressure switches.
2. Damage to fire department connections.
3. No water to system.
4. Frozen or otherwise damaged system.
5. Local sprinkler alarm not functioning.
6. Large quantities of corrosion scale or debris found when flowing of test connections, remote drains or water motor gong alarm lines. Clogged or plugged sprinkler heads, test ports or alarm lines.
7. Physically damaged piping, sprinkler heads or valves (such as from forklift strike).
8. Main drain test where residual pressure drops below 20 psi during flow of main drain.
9. Where any of the following occur:
   - All sprinkler heads are painted in any room exceeding 1000 square feet.
   - When 25% of sprinkler heads are painted within any building.
   - When 20 or more sprinkler heads are painted in any building.
10. Antifreeze systems where freeze protection is rated above 20° Fahrenheit.

K102.2.1.2.2 Fire pump:
1. Non-working fire pump.
2. Fire pump controls not working or malfunctioning.
3. Degradation of water supply below rating of pump, or any degradation causing cavitations of pump.

K102.2.1.2.3 Fire alarm system (detection and alarm):
1. Non-working fire alarm panel.
2. Malfunctioning fire alarm panel.
3. Audio and visual devices not working entire NAC loop.
4. Detection not working entire detection loop.
5. Loss of programming.
6. Audio & visual devices not working - more than three devices in building.
7. Detection devices not working - more than three devices in building.

K102.2.1.2.4 Kitchen hood fire system:
1. System cylinder is not charged or is leaking.
2. Appliance not properly covered due to rearrangement of appliances.
3. Plugged discharge nozzles.
5. Fuel or electric power supply not shutting off.

K102.2.1.2.5 Required clean agent or special hazard system:
1. System cylinder is not charged or is leaking.
2. Releasing panel not functional.
3. Where any of the following occur:
   - New holes and/or openings in walls and ceilings.
   - Wall or ceiling removed in system area.
   - Faulty door closers where required.
• In any room or system area, physical changes to the building which could change clean agent concentration level, which adversely impact systems ability to perform as designed.

**K102.2.2 Status 2.** Systems with a critical deficiency shall be reported as Status 2. The fire service company shall contact the Division of Fire Prevention at 267-4900 or by fax at 267-4958 within 14 days from the date of inspection if the deficiency cannot be repaired and system returned to service. Written notification shall be faxed to the Fire Marshal’s Office within 21 days at 267-4958.

**K102.2.2.1 Corrective action.** Systems reported as Status 2 shall be repaired within 14 days.

**K102.2.2.2 Qualifying deficiencies.** Systems with deficiencies listed in K102.2.2.2.1 through K102.2.2.2.6 shall be reported as Status 2.

**K102.2.2.2.1 Fire sprinkler or water based system:**

1. Five or more painted sprinkler heads in a concentrated area or more than 10 in a facility.
2. Change of use in buildings which causes a change in the occupancy classification to a higher hazard occupancy.
3. Low water pressure - negative changes of 10% or more of static or residual pressures during main drain test from previous year test or from original flow information where available.
4. Any other major problem that will affect the performance - (bad trim valves, pressure switches, etc.).
5. No monitoring on required systems.
6. Five-year obstruction investigation not performed or not verifiable.
7. Water control valves that will not hold back water / allow water to leak by.

**K102.2.2.2.2 Fire pump:**

1. Low fuel.
2. Pump packing leaking beyond specifications.
3. Fire pump room below 40 degrees.
4. Fire pump not meeting its rated discharge pressure or GPM flow over a 10% difference.
5. Any other major problem that will affect the performance.

**K102.2.2.2.3 Fire alarm system (detection and alarm):**

1. Batteries overdue for replacement.
2. No monitoring on required system.
3. Audio and visual devices not working – up to three devices; over three devices Status 1.
4. Detection not working – up to three devices; over three devices Status 1.
5. Any other major problem that will affect the performance.

**K102.2.2.2.4 Kitchen hood fire system:**
1. Hood and ducts with heavy grease buildup.
2. Any other major problems that will affect the performance.

**K102.2.2.2.5 Required clean agent or special hazard system:**
1. Room not properly sealed.
2. Room size has changed.
3. Expired Squibs.
4. HVAC shut downs not properly working.
5. Any other major problem that will affect the performance.

**K102.2.2.2.6 Non-required clean agent or special hazard system:**
1. Room not properly sealed.
2. Room size has changed.
3. Expired Squibs.
4. HVAC shut downs not properly working.
5. Any other major problem that will affect the performance.
6. System cylinder is not charged or is leaking.
7. Releasing panel not functional.
8. Wall or ceiling removed in system area.
9. Faulty door closers where required.
10. In any room or system area, physical changes to the building which could change clean agent concentration level, which adversely impact system's ability to perform as designed.

**K102.2.3 Status 3.** Systems with a minor deficiency shall be reported as Status 3. Status 3 reports shall be provided to the Division of Fire Prevention at 267-4900 or by fax at 267-4958 within 30 days from the date of inspection. These deficiencies will not affect the performance of the system.

**K102.2.3.1 Corrective action.** Systems reported as Status 3 shall be repaired within 30 days.

**K102.2.3.2 Qualifying deficiencies.** Systems with minor deficiencies, such as missing signs, data plates, leaking ball drip, improperly
identified zones in panel programming, and similar items which will not affect the ability of the system to perform in any way shall be reported as Status 3. Includes any items not included in Status 1 or Status 2, and defined by NFPA as deficiencies.

**K102.2.4 Status 4.** System with no deficiencies shall be reported as Status 4. Status 4 reports shall be provided to the Division of Fire Prevention at 267-4900 or by fax at 267-4958 within 30 days from the date of inspection.