**Section 102.5,** is deleted and rewritten as follows:

**102.5 Application of residential code.** If a structure is designed and

constructed in accordance with the International Residential Code, the provisions of this code apply only as follows:

 1. The construction and design provisions of this code apply only to premises identification, fire apparatus access, fire hydrants and water supplies, and construction permits required by Section 105.7.

 2. This code does not supercede the land use, subdivision, or development standards established by a local jurisdiction.

 3. The administrative, operational, and maintenance provisions of this code apply.

**Section 102.9,** is deleted and rewritten as follows:

**102.9 Matters not provided for.** Requirements that are essential for

the public safety of an existing or proposed activity, building or structure,

or for the safety of the occupants thereof, which are not specifically

provided for by this code, shall be determined by the fire code official on

an emergency basis if:

 a. the facts known to the fire code official show that an immediate and significant danger to the public health, safety, or welfare exists; and

 b. the threat requires immediate action by the fire code official.

**102.9.1 Limitation of emergency order.** In issuing its emergency order,

the fire code official shall:

 a. limit the order to require only the action necessary to prevent or avoid the danger to the public health, safety, or welfare: and

 b. give immediate notice to the persons who are required to comply with the order, that includes a brief statement of the reasons for the fire code official’s order.

**102.9.2 Right to appeal emergency order.** If the emergency order issued under this section will result in the continued infringement or impairment of any legal right or interest of any party, the party shall have a right to appeal the fire code official’s order in accordance with IFC, Chapter 1, Section 109.

*Insert in the IFC before page 3*

**IFC, Chapter 1, Section 105.6.16, Flammable and combustible liquids,**

is amended to add the following section:

12. The owner of an underground tank that is out of service for longer than one year shall receive a Temporary Closure Notice from the Department of Environmental Quality and a copy shall be given to the AHJ.

*Insert in the IFC before page 9*

**Section 109. 1.1 Application of Residential Code.** A new section is added as follows:

**Section 109.1.1 Application of Residential Code.** For development

regulated by a local jurisdiction’s land use authority, the fire code

official’s interpretation of this code is subject to the advisory opinion

process described in Utah Code, Section 13-43-205, and to a land use

appeal authority appointed under Utah Code Section 10-9a-701 or

17-27a-701.

**Section 109.4, Notice of right to appeal.** A new section is added as

follows:

**Section 109.4, Notice of right to appeal.** At the time a fire code official makes an order, decision or determination that relates to the application or interpretation of this chapter, the fire code official shall inform the person affected by the order, decision, or determination of the person’s right to appeal under this section. Upon request, the fire code official shall provide a person affected by an order, decision, or determination that relates to the application or interpretation of this chapter a written notice that describes the person’s right to appeal under this section.

*Insert in IFC before page 13*

**IFC, Chapter 1, Section 110.3. Notice of violation,** is deleted and rewritten as follows:

**Section 110.3 Notice of violation.** If the fire code official determines that a building, premises, vehicle,

storage facility, or outdoor area is in violation of this code or other pertinent laws or ordinances, the fire code official is authorized to prepare a written notice of violation that

describes the conditions deemed unsafe and, absent

immediate compliance, specifies a time for reinspection.

*Insert in IFC before page 15*

**IFC, Chapter 2, Section 202, Definitions**

**General Definitions,** the following definition is added for **Ambulatory Surgical Center:**

**AMBULATORY SURGICAL CENTER.** A building or portion of a building licensed by the Department of Health where procedures are performed that may render patients incapable of self preservation where care is less than 24 hours. See Utah Administrative Code, R432-13, Freestanding Ambulatory Surgical Center Construction Rule.

**General Definitions,** the following definition is added for **Assisted Living Facility:**

**ASSISTED LIVING FACILITY.** See Residential Treatment/Support Assisted Living Facility, Type I Assisted Living Facility, and Type II Assisted Living Facility.

*Insert in IFC before page 19*

**IFC, Chapter 2, Section 202**

**General Definitions, FOSTER CARE FACILITIES,** is amended as follows:

The word “**Foster**” is changed to the word “**Child**”.

*Insert in IFC before page 29*

**IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY CLASSIFICATION, Educational Group E, Day care facilities,** is amended as follows:

On line three delete the word “**five**” and replace it with

 the word “**four**”; and

 On line four after the word “**supervision**” add the

 words “**child care centers**.”

**IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY CLASSIFICATION, Educational Group E, Five or fewer children,** is amended as follows:

 The word “**five**”is deleted and replaced with the word

 “**four**” in both places.

**IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY CLASSIFICATION, Educational Group E, Five or fewer children in a dwelling unit,** is amended as follows:

 The word “**five**” is deleted and replaced with the word

 “**four**” in both places.

**IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY CLASSIFICATION, Educational Group E,** a new section is added as follows:

**Child Day Care – Residential child care certificate or a license.** Areas used for child day care purposes with a residential child care certificate, as described in Utah Administrative Code, R430-50, Residential Certificate Child Care, or a residential child care license, as described in Utah Administrative Code, R430-90, Licensed Family Child Care, may be located in a Group R-2 or R-3 occupancy as provided in Residential Group R-3, or shall comply with the International Residential Code in accordance with Section R101.2

**IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY CLASSIFICATION, Educational Group E,** a new section is added as follows:

**Child care centers.** Each of the following areas may be classified as accessory occupancies:

 1. Hourly child care centers, as described in Utah

 Administrative Code, R381-60, Hourly Child Care

 Centers;

 2. Child care centers, as described in Utah

 Administrative Code, R381-100, Child Care

 Centers; and

 3. Out-of-school-time programs, as described in Utah

 Administrative Code, R381-70, Out of School Time

 Child Care Programs.”

*Insert in IFC before page 37*

**IFC, Chapter 2, Section 202 General Definitions, OCCUPANCY CLASSIFICATION, Institutional Group I-1,** is amended as follows:

Insert “**Type 1**” in front of the words, “**Assisted living**

 **facilities**.”

**IFC, Chapter 2, Section 202 General Definitions, OCCUPANCY CLASSIFICATION, Institutional Group I-1, Five or fewer persons receiving custodial care,** is amended as follows:

 On line four after “**International Residential Code”**

 the rest of the section is deleted.

**IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY CLASSIFICATION, Institutional Group I-2,** is amended as follows:

1. On line three delete the word “**five**” and insert the

 word “**three**”;

2. On line six the word “**foster**” is deleted and

 replaced with the word “**child**”; and

3. On line 10, after the words “**Psychiatric**

 **hospitals**” add the following to the list:

 Both intermediate nursing care and skilled nursing

 care facilities,

 Ambulatory surgical centers with five or more

 operating rooms, and Type II assisted living facilities.

 Type II assisted living facilities with five or fewer

 persons shall be classified as a Group R-4.

 Type II assisted living facilities with at least six and

 not more than 16 residents shall be classified as a

 Group I-1 facility.

**IFC Chapter 2, Section 202, General Definitions, OCCUPANCY CLASSIFICATION, Institutional Group I-4, day care facilities, Classification as Group E,** is amended as follows:

 On line two deleted the word “**five**” and replace it with

 the word “**four**”; and

 One line three delete the words “**2 ½ years or less of**

 **age**” and replace with the words “**under the age of**

 **two**”.

*Insert in IFC before page 39*

**IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY CLASSIFICATION, Institutional Group 1-4, day care facilities, Five or fewer occupants receiving care in a dwelling unit,** is amended as follows:

 On lines one and three the word “**five**” is deleted and

 replaced with the word ”**four**”.

*Insert in IFC before page 41*

**IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY CLASSIFICATION, Residential Group R-3,** is amended as follows:

**Residential Group R-3,** the words “**and single family dwellings complying with the IRC**” are added after the word, “**Residential Group R-3 occupancies**”.

**IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY CLASSIFICATION, Residential Group R-3, Care facilities within a dwelling,** is amended as follows:

 On line three after the word “**dwelling**” insert “**other**

 **than child care**”.

**IFC, Chapter 2, Section 202, General Definitions, OCCUPANCY CLASSIFICATION, Residential Group R-3,** a new section is added as follows:

**Child Care.** Areas used for child care purposes may be located in a residential dwelling unit when all of the following conditions are met:

1. Compliance with Utah Administrative Code,

 710-8, Day Care Rules, as enacted under the

 Authority of the Utah Fire Prevention Board;

2. Use is approved by the Utah Department of Health

 under the authority of Utah Code, Title 26, Chapter 39, Utah Child Care Licensing Act, and in any of the following categories:

 2.1 Utah Administrative Code, R430-50, Residential

 Certificate Child Care; or

 2.2 Utah Administrative Code, R430-90, Licensed

 Family Child Care; and

 2.3 Compliance with all zoning regulations of the

 local regulator.

*Insert in IFC before pg 41*

**IFC, Chapter 2, Section 202, General Definitions, RECORD DRAWINGS**, is amended as follows:

Delete the words “**a fire alarm system**” and replace them with “**any fire protection system**”.

**IFC, Chapter 2, Section 202, General Definitions,** the following definition is added for Residential Treatment/Support Assisted Living Facility.

**RESIDENTIAL TREATMENT/SUPPORT ASSISTED LIVING FACILITY.** A residential facility that provides a group living environment for four or more residents licensed by the Department of Human Services, and provides a protected living arrangement for ambulatory, non-restrained persons who are capable of achieving mobility sufficient to exit the facility without the physical assistance of another person.

*Insert in IFC before page 45*

**IFC, Chapter 2, Section 202, General Definitions,** the following definition is added for Type I Assisted Living Facility.

“**TYPE I ASSISTED LIVING FACILITY.** A residential facility licensed by the Department of Health that provides a protected living arrangement, assistance with activities of daily living and social care to two or more ambulatory, non-restrained persons who are capable of mobility sufficient to exit the facility without the assistance of another person. Subcategories are:

 Limited Capacity: two to five residents;

 Small: six to sixteen residents; and

 Large: over sixteen residents.”

**IFC, Chapter 2, Section 202, General Definitions,** the following definition is added for Type II Assisted Living Facility.

“**TYPE II ASSISTED LIVING FACILITY.** A residential facility licensed by the Department of Health that provides an array of coordinated supportive personal and health care services to two or more residents who are:

A. Physically disabled but able to direct his or her

 own care; or

B. Cognitively impaired or physically disabled but able to

 evacuate from the facility, or to a zone or area of

 safety, with the physical assistance of one person.

 Subcategories are:

 Limited Capacity: two to five residents;

 Small: six to sixteen residents; and

 Large: over sixteen residents.”

*Insert in IFC before page 49*

**304.1.2, Vegetation,** is amended as follows:

Delete line six and replace it with “**Utah Administrative Code, R652-122-1300, Minimum Standards for County Wildland Fire Ordinance**”.

*Insert in IFC before page 53*

**Section 310.8, Hazardous environmental conditions,** is deleted and rewritten as follows:

**310.8 Hazardous environmental conditions.**

1. When the fire code official determines that existing or

historical hazardous environmental conditions necessitate controlled use of any ignition source, including fireworks, lighters, matches, sky lanterns, and smoking materials, any of the following may occur:

1.1. If the existing or historical hazardous

 environmental conditions exist in a municipality,

 the legislative body of the municipality may

 prohibit the ignition or use of an ignition source

 in:

 1.1.1. mountainous, brush-covered, forest-

 covered, or dry grass- covered areas;

 1.1.2. within 200 feet of waterways, trails,

 canyons, washes, ravines, or similar areas;

 1.1.3. the wildland urban interface area, which

 means the line, area, or zone where

 structures or other human development

 meet or intermingle with undeveloped

 wildland or land being used for an

 agricultural purpose; or

 1.1.4. a limited area outside the hazardous areas

 described in this paragraph 1.1 to facilitate

 a readily identifiable closed area, in

 accordance with paragraph 2.

 1.2 If the existing or historical hazardous

 environmental conditions exist in an

 unincorporated area, the state forester may

 prohibit the ignition or use of an ignition source in

 all or part of the areas described in paragraph 1.1

 that are within the unincorporated area, after

 consulting with the county fire code official who

 has jurisdiction over that area.

 1.3 If the existing or historical hazardous

 environmental conditions exist in a metro

 township created under Title 10, Chapter 2a, Part

 4, Incorporation of Metro Townships and

 Unincorporated Islands in a County of the First

 Class on and after May 12, 2015, the metro

 township legislative body may prohibit the

 ignition or use of an ignition source in all or part

 of the areas described in paragraph 1.1 that are

 within the township.

2. If a municipal legislative body, the state forester, or a

 metro township legislative body closes an area to the

 discharge of fireworks under paragraph 1, the

 legislative body or state forester shall:

 2.1. designate the closed area along readily

 identifiable features like major roadways,

 waterways, or geographic features;

 *continued*

 2.2. ensure that the boundary of the designated closed

 area is as close as is practical to the defined

 hazardous area, provided that the closed area may

 include areas outside of the hazardous area to

 facilitate a readily identifiable line; and

 2.3. identify the closed area through a written

 description or map that is readily available to the

 public.

3. A municipal legislative body, the state forester, or a

 metro township legislative body may close a defined

 area to the discharge of fireworks due to a historical

 hazardous environmental condition under paragraph 1

 if the legislative body or state forester:

 3.1 makes a finding that the historical hazardous

 environmental condition has existed in the defined

 area before July 1 of at least two of the preceding

 five years;

 3.2 produces a map indicating the boundaries, in

 accordance with paragraph 2, of the defined area

 described; and

 3.3 before May 1 of each year the defined area is

 closed, provides the map described in paragraph

 3.2 to the county in which the defined area is

 located.

4. A municipal legislative body, the state forester, or a

 metro township legislative body may not close an area

 to the discharge of fireworks due to a historical

 hazardous environmental condition unless the

 legislative body or state forester provides a map, in

 accordance with paragraph 3.”

**311.1.1 Abandoned premises,** is amended as follows:

On line 10 delete the words “**International Property**

**Mainteneance Code and the**”.

**IFC, Chapter 3 Section 311.5, Placards,** is amended as follows:

On line three delete the word “**shall**” and replace it with the word “**may**”.

*Insert in IFC before page 57*

**Section 403.10.2.1, College and University buildings,** is deleted and replaced with the following:

**403.10.2.1 College and university buildings and fraternity and sorority houses.** College and university buildings, including fraternity and sorority houses, shall prepare an approved fire safety and evacuation plan, in accordance with Section 404.

Group R-2 college and university buildings, including fraternity and sorority houses, shall comply with Sections 403.10.2.1.1 and 403.10.2.1.2.

*Insert in IFC before page 67*

**Section 405.2, Table 405.2,** is amended to add the following footnotes:

e. Secondary schools in Group E occupancies shall have

 an emergency evacuation drill for fire conducted at

 least every two months, to a total of four emergency

 evacuation drills during the nine-month school year.

 The first emergency evacuation drill for fire shall be

 conducted within 10 school days after the beginning of

 classes. The third emergency evacuation drill for fire,

 weather permitting, shall be conducted 10 school days

 after the beginning of the next calendar year. The

 second and fourth emergency evacuation drills may be

 substituted by a security or safety drill to include

 shelter in place, earthquake drill, or lock down for

 violence. If inclement weather causes a secondary

 school to miss the 10-day deadline for the third

 emergency evacuation drill for fire, the secondary

 school shall perform the third emergency evacuation

 drill for fire as soon as practicable after the missed

 deadline.

f. In Group E occupancies, excluding secondary schools,

 if the AJH approves, the monthly required emergency

 evacuation drill can be substituted by a security or

 safety drill to include shelter in place, earthquake drill,

 or lock down for violence. The routine emergency

 evacuation drill must be conducted at least every other

 drill.

g. A-3 occupancies in academic buildings of institutions

 of higher learning are required to have one emergency

 evacuation drill per year, provided the following

 conditions are met:

 A. The building has a fire alarm system in accordance

 with Section 907.2.

 B. The rooms classified as assembly shall have fire

 safety floor plans as required in Subsection

 404.2.2(4) posted.

 C. The building is not classified a high-rise building.

 D. The building does not contain hazardous materials

 over the allowable quantities by code.

*Insert in IFC before page 71*

**IFC, Chapter 5, a new Section 501.5, Access grade and fire flow,** is added as follows:

**501.5 Access grade and fire flow:** An authority having jurisdiction over a structure built in accordance with the requirements of the International Residential Code as adopted in the State Construction Code, may require an automatic fire sprinkler system for the structure only by ordinance and only if any of the following conditions exist:

1. The structure:

 A. is located in an urban-wildland interface area as

 provided in the Utah Wildland Urban Interface

 Code adopted as a construction code under the

 State Construction Code, and

 B. does not meet the requirements described in Utah

 Code, Subsection 65A-8-203(4)(a) and Utah

 Administrative Code, R652-122-1300. Minimum

 Standards for County Wildland Fire Ordinance;

2. The structure is in an area where a public water

 distribution system with fire hydrants does not exist as

 required in Utah Administrative Code, R309-550-5,

 Water Main Design;

3. The only fire apparatus access road has a grade greater

 than 10% for more than 500 continual feet;

4. The total floor area of all floor levels within the

 exterior walls of the dwelling unit exceeds 10,000

 square feet; or

5. The total floor area of all floor levels within the

 exterior walls of the dwelling unit is double the

 average of the total floor area of all floor levels of

 unsprinkled homes in the subdivision that are no larger

 than 10,000 square feet;

**Exception:** A single family dwelling does not require a fire sprinkler system if the dwelling:

 A. is located outside the wildland urban interface;

 B. is build in a one-lot subdivision; and

 C. has 50 feet of defensible space on all sides that

 limits the propensity of fire spreading from the

 dwelling to another property.

*Insert in IFC before page 73*

**Section 506.1, Where Required,** is deleted and rewritten as follows:

**Section 506.1** Where access to or within a structure or an area is restricted because ofsecured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the fire code official, after consultation with the building owner, may require a key box to be installed in an approved location. The key box shall contain keys to gain necessary access as required by the fire code official. For each fire jurisdiction that has at least one building with a required key box, the fire jurisdiction shall adopt an ordinance, resolution, or other operating rule or policy that creates a process to ensure that each key to each key box is properly accounted for and secure.

**Section 507.1.1, a new section,** is added as follows:

**507.1.1 Isolated one- and two-family dwellings.** Fire flow may be reduced for an isolated one- and two-family dwelling when the authority having jurisdiction over the dwelling determines that the development of a full fire-flow requirement is impractical.

**Section 507.1.2, a** new section, is added as follows:

**507.1.2 Pre-existing subdivision lots.** The requirements for a pre-existing subdivision lot shall not exceed the requirements described in Section 501.5

*Insert in IFC before page 75*

**Section 510.1 Emergency responder radio coverage in new buildings,** is amended by adding**:**

**“When required by the fire code official,”** at the beginning of the first paragraph.

*Insert in the IFC before page 77*

**Section 606.7, Elevator key location,** is deleted and rewritten as follows:

Firefighter service keys shall be kept in a “Supra-Stor-a-key” elevator key box or similar box with corresponding key system that is adjacent to the elevator for immediate use by the fire department. The key box shall contain one key for each elevator, one key for lobby control, and any other keys necessary for emergency service. The elevator key box shall be accessed using a 6049 numbered key.

**Section 607.1, General,** is amended as follows:

On line three, after the word “**Code**,” add the words “**and NFPA 96**”.

*Insert in the IFC before page 89*

**Section 705.2, Inspection and Maintenance,** is amended to add the following:

**Exception:** In Group E Occupancies, where the corridor serves an occupant load greater than 30 and the building does not have an automatic fire sprinkler system installed, the door closers may be of the friction hold-open type on classrooms’ doors with a rating of 20 minutes or less only.

*Insert in the IFC before page 93*

**Section 901.2, Construction documents,** is amended to add the following at the end of the section:

The code official has the authority to request record drawings (“as builts”) to verify any modifications to the previously approved construction documents.

**Section 901.4.6, Pump and riser room size,** is deleted and replaced with the following:

**901.4.6 Pump and riser room size.** Fire pump and automatic sprinkler system riser rooms shall be designed with adequate space for all installed equipment necessary for the installation and to provide sufficient working space around the stationary equipment. Clearances around equipment shall be in accordance with manufacturer requirements and not less than the following minimum elements:

**901.4.6.1.** A minimum clear and unobstructed distance of 12 inches shall be provided from the installed equipment to the elements of permanent construction.

**901.4.6.2.** A minimum clear and unobstructed distance of 12 inches shall be provided between all other installed equipment and appliances.

**901.4.6.3.** A clear and unobstructed width of 36 inches shall be provided in front of all installed equipment and appliances, to allow for inspection, service, repair or replacement without removing such elements of permanent construction or disabling the function of a required fire-resistance-rated assembly.

**901.4.6.4.** Automatic sprinkler system riser rooms shall be provided with a clear and unobstructed passageway to the riser room of not less than 36 inches, and openings into the room shall be clear and unobstructed, with doors swinging in the outward direction from the room and the opening providing a clear width of not less than 34 inches and a clear height of the door opening shall not be less than 80 inches.

**901.4.6.5.** Fire pump rooms shall be provided with a clear and unobstructed passageway to the fire pump room of not less than 72 inches, and openings into the room shall be clear, unobstructed and large enough to allow for the removal of the largest piece of equipment, with doors swinging in the outward direction from the room and the opening providing a clear width of not less than 68 inches and a clear height of the door opening shall not be less than 80 inches.

*Insert in the IFC before page 103*

**Section 903.2.1.2, Group A-2,** is amended to add the following subsection:

4. An automatic fire sprinkler system shall be provided

 throughout Group A-2 occupancies where indoor

 pyrotechnics are used.

**Section 903.2.2, Ambulatory care facilities,** is amended as follows:

On line two delete the words “**entire floor**” and replace with the word “**building”,** and delete the last paragraph.

**Section 903.2.4, Group F-1, Subsection 2,** is deleted and rewritten as follows:

2. A Group F-1 fire area is located more than three

 stories above the lowest level of fire department

 vehicle access.

*Insert in the IFC before page 107*

**Section 903.2.7, Group M, Subsection 2**, is deleted and rewritten as follows:

2. A Group M fire area is located more than three stories

 above the lowest level of fire department vehicle

 access.

**Section 903.2.8, Group R, including all subsections,** is deleted and rewritten as follows:

**903.2.8 Group R.** An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R fire area.

**Exceptions:**

1. Detached one- and two-family dwellings and

 multiple single-family dwellings (townhouses)

 constructed in accordance with the International

 Residential Code for One- and Two-Family

 Dwellings.

2. Single story Group R-1 occupancies with fire areas not

 more than 2,000 square feet that contain no installed

 plumbing or heating, where no cooking occurs, and

 constructed or Type I-A, I-B, II-A, or II-B

 construction.

3. Group R-4 fire areas not more than 4,500 gross square

 feet and not containing more than 16 residents,

 provided the building is equipped throughout with an

 approved fire alarm system that is interconnected and

 receives its primary power from the building wiring

 and a commercial power system.

**903.2.9, Group S-1, Subsection 2,** is deleted and rewritten as follows:

2. A group S-1 fire area is located more than three stories

 above the lowest level of fire department vehicle

 access.

*Insert in the IFC before page 109*

**Section 903.3.1.2.3, Attics,** is amended by adding the following:

**Exception:** Sprinkler protection in attics is not required in buildings that are not required to be sprinklered by another section of this code.

*Insert in the IFC before page 111*

**Section 903.3.5, Water supplies,** is amended as follows:

On line six after the word “**Code**”, add “**and as amended in the State Construction Code**”.

**Section 903.5, Testing and maintenance,** is amended to add the following subsection:

**903.5.1 Tag and Information.** A tag shall be attached to the riser indicating the date the antifreeze solution was tested. The tag shall also indicate the type and concentration of antifreeze solution by volume with which the system is filled, the name of the contractor that tested the antifreeze solution, the contractor’s license number, and a warning to test the concentration of the antifreeze solutions at yearly intervals.

*Insert in the IFC before page 113*

**Section 904.12, Commercial cooking systems,** is deleted and rewritten as follows:

**904.12 Commercial cooking systems.** The automatic fire extinguishing system for commercial cooking systems shall be of a type recognized for protection of commercial cooking equipment and exhaust systems. Pre-engineered automatic extinguishing systems shall be tested in accordance with UL300 and listed and labeled for the intended application. The system shall be installed in accordance with this code, its listing and the manufacturer’s installation instructions.

**The exception in Section 904.12 is not deleted and shall remain as currently written**.

**Section 904.12.3, Carbon dioxide systems, is** deleted and rewritten as follows:

**904.12.3, Existing automatic fire extinguishing systems used for commercial cooking.** Existing automatic fire extinguishing systems used for commercial cooking that use dry chemical are prohibited and shall be removed from service.

**Section 904.12.3.1, Ventilation System,** is deleted and rewritten as follows:

**904.12.3.1, UL 300 listed and labeled existing wet chemical fire extinguishing system.** Existing wet chemical fire extinguishing systems used for commercial cooking that are not UL300 listed and labeled are prohibited and shall be either removed or upgraded to a UL300 listed and labeled system.

*Insert in the IFC before page 115*

**Section 904.12.4, Special provisions for automatic sprinkler systems**, is amended to add the following subsection:

**904.12.4.2,** Existing automatic fire sprinkler systems protecting commercial cooking equipment, hood, and exhaust systems that generate appreciable depth of cooking oils shall be replaced with a UL300 system that is listed and labeled for the intended application.

**Section 904.12.5.2, Extinguishing system service,** is amended to add the following:

**Exception:** Automatic fire extinguishing systems located in occupancies where usage is limited and less than six consecutive months may be serviced annually if the annual service is conducted immediately before the period of usage, and approval is received from the AHJ.

**Section 905.3.9,** a new subsection is added as follows:

**905.3.9, Open Parking Garages.** Open parking garages shall be equipped with an approved Class I manual standpipe system when fire department access is not provided for firefighting operations to within 150 feet of all portions of the open parking garage as measured from the approved fire department vehicle access. Class I manual standpipe shall be accessible throughout the parking garage such that all portions of the parking structure are protected within 150 feet of a hose connection.

**Exception:** Open parking garages equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

*Insert in the IFC before page 117*

**Section 905.8, Dry Standpipes, Exception** is deleted and rewritten as follows:

**Exception:** Where subject to freezing conditions and approved by the fire code official.

**Section 905.12, Existing buildings,** is deleted.

**Section 906.1, Exception 2** is amended as follows:

On line three after the word “**6**” delete the remainder of the paragraph.

*Insert in the IFC before page 119*

**Section 907.2.3 Group E** is amended by deleting the first sentence and rewriting it and the exceptions as follows:

**907.2.3, Group E.** A manual fire alarm system that initiates the occupant notification signal using an emergency voice/alarm communication system that meets the requirements of Section 907.5.2.2, or a manual fire alarm system that initiates an audible and visual occupant notification signal that meets the requirements of Sections 907.4.2.1 and 907.5.2.3, and is installed in accordance with Section 907.6, and with rules made by the Utah Fire Prevention Board in accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, shall be installed in Group E Occupancies.

 **Exception** 2, delete entirely.

 **Exception** 4.2 on line five, delete the words, “**emergency voice/alarm communication system**” and replace with “**fire alarm**”.

*Insert in the IFC before page 123*

**Section 907.8, Inspection, testing, and maintenance,** is amended to add the following sentences at the end of the section:

Increases in nuisance alarms shall require the fire alarm system to be tested for sensitivity. Fire alarm systems that continue after sensitivity testing with unwarranted nuisance alarms shall be replaced as directed by the AHJ.

*Insert in the IFC before page 131*

**Section 915, Carbon Monoxide Detection,** is deleted and rewritten as follows:

**915 Carbon Monoxide Detection**

**915.1 Where required.** Group I-1, I-2, I-4 and R occupancies located in a building containing a fuel-burning appliance or in a building that has an attached garage shall be equipped with single-station carbon monoxide alarms. The carbon monoxide alarms shall be listed as complying with UL 2034 or UL 2075 and be installed and maintained in accordance with NFPA 720 and the manufacturer’s instructions. An open parking garage, as defined in Chapter 2, or an enclosed parking garage, ventilated in accordance with Section 404 of the International Mechanical Code, shall not be considered an attached garage. A minimum of one carbon monoxide alarm shall be installed on each habitable level.

**915.2 Interconnection.** Where more than one carbon monoxide alarm is required to be installed within Group I-1, I-2, I-4 or R occupancies, the carbon monoxide alarm shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms. Physical interconnection of carbon monoxide alarms shall not be required where listed wireless alarms are installed and all alarms sound upon activation of one alarm. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

**915.3 Power source.** In new construction, required carbon monoxide alarms 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. Carbon monoxide alarms with integral strobes that are not equipped with battery backup shall be connected to an emergency electrical system. Carbon monoxide alarms shall emit a signal when the batteries are low. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.

**Exceptions:**

 1. Carbon monoxide alarms are not required to be

 equipped with battery backup where they are

 connected to an emergency electrical system.

 2. Hardwiring of carbon monoxide alarms in

 existing areas shall not be required where the

 alterations or repairs do not result in the removal

 of interior wall or ceiling finishes exposing the

 structure. Unless there is an attic, crawl space, or

 basement available that could provide access for

 hard wiring, without the removal of interior

 finishes.

 continued

**915.4 Group E.** A carbon monoxide detection system shall be installed in new buildings that contain Group E

occupancies in accordance with this section. A carbon monoxide detection system shall be installed in existing buildings that contain Group E occupancies in accordance with IFC, Chapter 11 Section, 1103.9

**915.4.1 Where required.** In Group E occupancies, a carbon monoxide detection system shall be provided where a fuel-burning appliance, a fuel-burning fireplace, or a fuel-burning forced air furnace is present.

**915.4.2 Detection equipment.** Each carbon monoxide detection system shall be installed in accordance with NFPA 720 and the manufacturer’s instructions, and be listed, for single station detectors, as complying with UL 2034, and for system detectors, as complying with UL 2075.

**915.4.3 Combination detectors.** A combination carbon monoxide/smoke detector is an acceptable alternative to a carbon monoxide detection system if the combination carbon monoxide/smoke detector is listed in accordance with UL 2075 and UL 268.

**915.4.4 Power source.** Each carbon monoxide detection system shall receive primary power from the building wiring if the wiring is served from a commercial source. If primary power is interrupted, each carbon monoxide detection system shall receive power from a battery. Wiring shall be permanent and without a disconnecting switch other than that required for over-current protection.

**915.4.5 Maintenance.** Each carbon monoxide detection system shall be maintained in accordance with NFPA 720. A carbon monoxide detection system that becomes inoperable or begins to produce end-of-life signals shall be replaced.

*Insert in the IFC before page 147*

**Section 1008.2.1, Illumination level under normal power,** is amended as follows:

Delete exception.

*Insert in the IFC before page 157*

**Section 1010.1.9, Door operations,** a new exception is added as follows:

**Exception:** Group E occupancies for purposes of a lockdown or a lockdown drill in accordance with Section 1010.1.9.6 Exception 5.

**Section 1010.1.9.2, Hardware height,** is amended as follows: The existing exception is listed as number “**1**”; and **Exception 2** is added as follows:

**Exceptions:**

 2. Group E occupancies for purposes of a lockdown

 or a lockdown drill may have one lock below 34

 inches in accordance with Section 1010.1.9.6

 Exception 5.

**Section 1010.1.9.4, Locks and latches,** is amended by adding item 7 after the existing item 6 as follows:

7. Group E occupancies for purposes of a lockdown or a

 lockdown drill in accordance with Section 1010.1.9.6

 exception 5.

**Section 1010.1.6.5, Bolt locks,** is amended by adding

Exception 6 after the existing Exception 5 as follows:

6. Group E occupancies for purposes of a lockdown or a

 lockdown drill in accordance with Section 1010.1.9.6

 Exception 5.

**Section 1010.1.9.6 Unlatching,**  is amended by adding Exception 5 after the existing Exception 4 as follows:

5. Group E occupancies may have a second lock on

 classrooms for purposes of a lockdown or lockdown

 drill, if:

 5.1 The application of the lock is approved by the code

 official.

 5.2 The unlatching of any door or leaf does not require

 more than two operations.

 5.3 The lock can be released from the opposite side of

 the door on which it is installed.

 5.4 The lock is only applied during lockdown or during

 a lockdown drill.

 5.5 The lock complies with all other state and federal

 regulations, including the Americans with

 Disabilities Act of 1990, 42 U.S.C Section 12101

 et seq.

*Insert in the IFC before page 165*

**Section 1010.1.9.7, Controlled egress doors in Groups I-1 and I-2,** is amended by adding Item 9 after existing Item 8 as follows:

9. The secure area or unit with special egress locks shall

 be located at the level of exit discharge in Type V

 construction.

*Insert in the IFC before page 165*

**Section 1010.1.9.8.1, Delayed egress locking system,** is amended by adding Item 9 after existing Item 8 as follows:

9. The secure area or unit with delayed egress locks

 shall be located at the level of exit discharge in Type

 V construction.

*Insert in the IFC before page 167*

**Section 1011.5.2, Riser height and tread depth,** Exception 3 is deleted and replaced with the following:

3. In Group R-3 occupancies, within dwelling units in

 Group R-2 occupancies, and in Group U occupancies

 that are accessory to a Group R-3 occupancy, or

 accessory to individual dwelling units in Group R-2

 occupancies, the maximum riser height shall be 8

 inches (203 mm) and the minimum tread depth shall be

 9 inches (229 mm). The minimum winder tread depth

 at the walk line shall be 10 inches (254 mm), and the

 minimum winder tread depth shall be 6 inches (152

 mm). A nosing not less than 0.75 inch (19.1 mm) but

 not more than 1.25 inches (32 mm) shall be provided

 on stairways with solid risers where the tread depth is

 less than 10 inches (254 mm).

*Insert in the IFC before page 169*

**Section 1011.11, Handrails,** is amended to add the following exception:

5. In occupancies in Group R-3, as applicable in Section

 1014 and in occupancies in Group U, which are

 accessory to an occupancy in Group R-3, as applicable

 in Section 1014, handrails shall be provided on at least

 one side of stairways consisting of four or more risers.

*Insert in the IFC before page 171*

**Section 1013.5, Internally illuminated exit signs,** delete and rewrite the last sentence to read:

Exit signs shall be illuminated at all times, including when the building is not fully occupied.

*Insert in the IFC before page 175*

**Section 1025, Luminous Egress Path Markings,** is deleted.

*Insert in the IFC before page 185*

**Section 1029.15, Seat stability,** is amended by deleting Exception 2 and renumbering the remaining exceptions.

*Insert in the IFC before page 195*

**Section 1031.2.1, Security devices and egress locks,** is amended to add the following:

On line three, after the word “**fire**,” add the words “**and building.**”

*Insert in the IFC before page 197*

**Section 1103.2 Emergency Responder Radio Coverage in Existing Buildings,** is amended as follows:

On line two after the title, the following is added:

“When required by the fire code official”.

*Insert in the IFC before page 199*

**Section 1103.5.1 Group A-2,** is deleted and replaced with the following:

**1103.5.1 Group A-2.** An automatic fire sprinkler system shall be provided throughout existing Group A-2 occupancies where indoor pyrotechnics are used.

**Section 1103.6, Standpipes,** is deleted.

**Section 1103.7, Fire Alarm Systems,** is deleted and rewritten as follows:

**1103.7, Fire Alarm Systems.** The following shall have an approved fire alarm system installed in accordance with Utah Administrative Code, R710-4, Buildings Under the Jurisdiction of the State Fire Prevention Board:

1. a building with an occupant load of 300 or more

 persons that is owned or operated by the state

2. a building with an occupant load of 300 or more

 persons that is owned or operated by an institution of

 higher education; and

3. a building with an occupant load of 50 or more persons

 that is owned or operated by a school district, private

 school, or charter school.

**Exception:** The requirements of this section do not apply to a building designated as an Institutional Group I (as defined in IFC 202) occupancy.

**Section 1103.7.1Group E, 1103.7.2 Group I-1, 1103.7.3 Group 1-2, 1103.7.4 Group I-3, 1103.7.5 Group R-1, 1103.7.5.1 Group R-1 hotel and motel manual fire alarm system, 1103.7.5.1.1 Group R-1 hotel and motel automatic smoke detection system, 1103.7.5.2 Group R-1 boarding and rooming houses manual fire alarm system, 1103.7.5.2.1 Group R-1 boarding and rooming houses automatic smoke detection system, 1103.7.6 Group R-2,** are deleted.

*Insert in the IFC before page 205*

**Section 1103.9 Carbon monoxide alarms,** is deleted and rewritten as follows:

**1103.9 Carbon Monoxide Detection.** Existing Groups E, I-1, I-2, I-4 and R occupancies shall be equipped with carbon monoxide detection in accordance with Section 915.

*Insert in the IFC before page 207*

**Section 1204.2.1 Solar photovoltaic systems for Group R-3 buildings,** is amended by deleting the title for the section and replacing it as follows:

“**Section 1204.2.1 Solar photovoltaic systems for Group R-3 and buildings constructed in accordance with IRC.**”

**Section 1204.2.1, Solar photovoltaic systems for Group R-3 buildings,** is amended by deleting Exception 1, renumbering Exception “**2**” as Exception “**1**” and adding a new exception as follows:

2. Reduction in pathways and clear access width are

 permitted where a rational approach has been used and

 the reduction is warranted and approved by the Fire

 Code Official.

*Insert in the IFC before page 219*

**Section 1204.3.1 Perimeter pathways and 1204.3.2 Interior pathways,** are deleted and rewritten as follows:

**1204.3.1 Perimeter pathways.** There shall be a minimum three foot wide (914 mm) clear perimeter around the edges of the roof. The solar installation shall be designed to provide designated pathways. The pathways shall meet the following requirements:

1. The pathway shall be over areas capable of supporting

 the live load of fire fighters accessing the roof.

2. The centerline axis pathways shall be provided in both

 axes of the roof. Centerline axis pathways shall run

 where the roof structure is capable of supporting the

 live load of fire fighters accessing the roof.

3. Smoke and heat vents required by Section 910.2.1 or

 910.2.2 shall be provided with a clear pathway width

 of not less than three feet (914 mm) to the vents.

4. Access to roof area required by Section 504.3 or

 1011.12 shall be provided with a clear pathway width

 of not less than three feet (914 mm) around access

 opening and at least three feet (914 mm) clear pathway

 to parapet or roof edge.

**Section 1204.3.3 Smoke ventilation,** is deleted and rewritten as follows:

**1204.3.2 Smoke ventilation.** The solar installation shall be designed to meet the following requirements:

1. Arrays shall be no greater than 150 feet (45720 mm)

 by 150 feet (45720 mm) in distance in either axis in

 order to create opportunities for fire department smoke

 ventilation operations.

2. Smoke ventilation options between array sections shall

 be one of the following:

 2.1 A pathway six feet (1829 mm) or greater in width.

 2.2 A pathway three feet (914 mm) or greater in width

 and bordering roof skylights or smoke and heat

 vents when required by Section 910.2.1 or Section

 910.2.2.

 2.3 Smoke and heat vents designed for remote

 operation using devices that can be connected to

 the vent by mechanical, electrical, or any other

 suitable means, protected as necessary to remain

 operable for the design period. Controls for

 remote operation shall be located in a control

 panel, clearly identified and located in an

 approved location.

*Insert in the IFC before page 221*

**Section 5003.1, Table 5003.1.1(1) Maximum Allowable Quantity per Control Area of Hazardous Materials Posing a Physical Hazard,** is amended as follows:

Apply footnote “**d**” to “**Explosives, Storage, Solid Pounds”.**

*Insert in the IFC before page 353*

**Section 5601.1.3, Fireworks, Exception 4,** is amended as follows:

Add the following sentence at the end of the exception: The use of fireworks for display and retail sales is allowed as set forth in Utah Code, Title 53, Chapter 7, Utah Fire Prevention and Safety Act, Sections 53-7-220 through 53-7-225; Utah Code, Title 11, Chapter 3, County and Municipal Fireworks Act; Utah Administrative Code, R710-2; and the State Fire Code.

*Insert in the IFC before page 399*

**Section 5701.4 Permits,** is amended to add the following at the end of the section:

The owner of an underground tank that is out of service for longer than one year shall receive a Temporary Closure Notice from the Department of Environmental Quality, and a copy shall be give to the AHJ.

*Insert in the IFC before page 417*

**Section 5706.1, General,** is amended to add the following special operation:

8. Sites approved by the AHJ.

**Section 5706.2, Storage and dispensing of flammable and combustible liquids on farms and construction sites,** is amended to add the following:

One line five, after the words “**borrow pits**” add the words “**and sites approved by the AHJ.**”

*Insert in the IFC before page 449*

**Section 6101.2, Permits,** is amended as follows:

On line two, after the word “**105.7**” add “**and the adopted LP Gas Rules**”.

**Section 6103.1, General,** is deleted and rewritten as follows:

**Section 6103.1, General,** LP Gas equipment shall be installed in accordance with NFPA 54, NFPA 58, the adopted LP Gas rules, and the International Fuel Gas Code, except as otherwise provided in this chapter.

*Insert in the IFC before page 477*

**Section 6109.12, Location of storage outside of buildings,** is amended as follows:

In Table 6109.12, Doorway or opening to a building with two or more means of egress, with regard to quantities 720 or less and 721 – 2,500, the currently stated “**5**” is deleted and replaced with “**10**”.

**Section 6109.15.1, Automated cylinder exchange stations,** is amended as follows:

Item # 4 is deleted.

**Section 6110.1, Temporarily out of service,** is amended as follows:

On line two, after the word “**discontinued**” add the words “**for more than one year or longer as allowed by the AHJ.**”

*Insert in the IFC before page 481*