

STATE FIRE CODE ACT AMENDMENTS

2013 GENERAL SESSION

STATE OF UTAH

Chief Sponsor: James A. Dunnigan

Senate Sponsor: _____

LONG TITLE

General Description:

This bill amends the State Fire Code Act.

Highlighted Provisions:

This bill:

- ▶ updates the editions of nationally recognized codes that are incorporated by reference;
- ▶ amends provisions related to certain group care facilities and ambulatory surgical facilities;
- ▶ requires evacuation fire drills for secondary schools;
- ▶ modifies requirements regarding solar panels;
- ▶ modifies requirements regarding pump and riser rooms;
- ▶ modifies requirements regarding the installation of automatic sprinkler systems; and
- ▶ makes technical changes.

Money Appropriated in this Bill:

None

Other Special Clauses:

This bill takes effect on July 1, 2013.

Utah Code Sections Affected:

AMENDS:

15A-5-103, as enacted by Laws of Utah 2011, Chapter 14



- 28 **15A-5-202**, as last amended by Laws of Utah 2012, Chapter 148
- 29 **15A-5-203**, as enacted by Laws of Utah 2011, Chapter 14
- 30 **15A-5-204**, as last amended by Laws of Utah 2012, Chapter 148
- 31 **15A-5-205**, as enacted by Laws of Utah 2011, Chapter 14
- 32 **15A-5-206**, as enacted by Laws of Utah 2011, Chapter 14
- 33 **15A-5-207**, as enacted by Laws of Utah 2011, Chapter 14
- 34 **15A-5-302**, as enacted by Laws of Utah 2011, Chapter 14
- 35 **15A-5-401**, as enacted by Laws of Utah 2011, Chapter 14

36 ENACTS:

- 37 **15A-5-202.5**, Utah Code Annotated 1953
- 38 **15A-5-205.5**, Utah Code Annotated 1953



40 *Be it enacted by the Legislature of the state of Utah:*

41 Section 1. Section **15A-5-103** is amended to read:

42 **15A-5-103. Nationally recognized codes incorporated by reference.**

43 The following codes are incorporated by reference into the State Fire Code:

44 (1) the International Fire Code, [~~2009~~] 2012 edition, excluding appendices, as issued
45 by the International Code Council, Inc., except as amended by Part 2, Statewide Amendments
46 and Additions to IFC Incorporated as Part of State Fire Code;

47 (2) National Fire Protection Association, NFPA 96, Standard for Ventilation Control
48 and Fire Protection of Commercial Cooking Operations, [~~2008~~] 2011 edition, except as
49 amended by Part 3, Statewide Amendments and Additions to NFPA Incorporated as Part of
50 State Fire Code; and

51 (3) National Fire Protection Association, NFPA 1403, Standard on Live Fire Training
52 Evolutions, [~~2007~~] 2012 edition, except as amended by Part 3, Statewide Amendments and
53 Additions to NFPA Incorporated as Part of State Fire Code.

54 Section 2. Section **15A-5-202** is amended to read:

55 **15A-5-202. Amendments and additions to IFC related to administration, permits,**
56 **definitions, general, and emergency planning.**

57 (1) For IFC, Chapter 1, Scope and Administration:

58 (a) IFC, Chapter 1, Section 102.9, is amended by adding the following immediately

59 before the period: "on an emergency basis if:

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

62 (b) the threat requires immediate action by the fire code official.

63 (2) In issuing its emergency order, the fire code official shall:

64 (a) limit the order to require only the action necessary to prevent or avoid the danger to
65 the public health, safety, or welfare; and

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

68 (3) If the emergency order issued under this section will result in the continued
69 infringement or impairment of any legal right or interest of any party, the party shall have a
70 right to appeal the fire code official's order ~~H~~→ **[to the Utah Fire Prevention Board] in accordance**
70a **with IFC, Chapter 1, Section 108** ←~~H~~ ."

71 ~~[(a)]~~ (b) IFC, Chapter 1, Section 105.6.16, Flammable and combustible liquids, is
72 amended to add the following section: "12. The owner of an underground tank that is out of
73 service for longer than one year shall receive a Temporary Closure Notice from the Department
74 of Environmental Quality and a copy shall be given to the AHJ."

75 ~~[(b)]~~ (c) IFC, Chapter 1, Section ~~[109.2]~~ 109.3, Notice of violation, is amended as
76 follows: On line three, after the words "is in violation of this code," insert in the section the
77 phrase "or other pertinent laws or ordinances".

78 (2) For IFC, Chapter 2, Definitions:

79 (a) IFC, Chapter 2, Section 202, General Definitions, the following definition is added
80 for Ambulatory Surgical Center: "AMBULATORY SURGICAL CENTER. A building or
81 portion of a building licensed by the Utah Department of Health where procedures are
82 performed that may render patients incapable of self preservation where care is less than 24
83 hours."

84 (b) IFC, Chapter 2, Section 202, General Definitions, FOSTER CARE FACILITIES is
85 amended as follows: the word "Foster" is changed to the word "Child."

86 ~~[(a)]~~ (c) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
87 Educational Group E, Day care facilities, is amended as follows: On line three delete the word
88 "five" and replace it with the word "four". On line four after the word "supervision" add the
89 words "child care centers."

90 (d) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
91 Educational Group E, Five or fewer children is amended as follows: On line one the word
92 "five" is deleted and replaced with the word "four" in both places.

93 (e) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
94 Educational Group E, Five or fewer children in a dwelling unit, the word "five" is deleted and
95 replaced with the word "four" in both places.

96 (f) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
97 Educational Group E, a new section is added as follows: "Child Day Care -- Residential
98 Certificate or a Family License. Areas used for child day care purposes with a Residential
99 Certificate R430-50 or a Family License, as defined in Utah Administrative Code, R430-90,
100 Licensed Family Child Care, may be located in a Group R-2 or R-3 occupancy as provided in
101 Residential Group R-3, or shall comply with the International Residential Code in accordance
102 with Section R101.2."

103 (g) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
104 Educational Group E, a new section is added as follows: "Child Care Centers. Areas used for
105 Hourly Child Care Centers, as defined in Utah Administrative Code, R430-60, Child Care
106 Center as defined in Utah Administrative Code, R430-100, or Out of School Time Programs,
107 as defined in Utah Administrative Code, R430-70, may be classified as accessory
108 occupancies."

109 ~~[(b)]~~ (h) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
110 Institutional Group I, Group I-1, is amended as follows: On line [†0] § add "Type I" in front of
111 the words "Assisted living facilities".

112 (i) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
113 Institutional Group I, Five or fewer persons receiving care is amended as follows: On line four
114 after "International Residential Code" the rest of the section is deleted.

115 ~~[(c)]~~ (j) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
116 Institutional Group I, Group I-2, is amended as follows:

117 (i) On line three delete the word [~~for~~] "five" and insert the [~~following into the~~
118 sentence "~~on a 24-hour basis of more than three~~" word "three".

119 (ii) On line six the word "foster" is deleted and replaced with the word "child".

120 ~~[(†)]~~ (iii) On line 10, after the words [~~"Nursing homes"]~~ "Psychiatric hospitals", add

121 the following to the list: "both intermediate nursing care and skilled nursing care facilities,
 122 ambulatory surgical centers with five or more operating rooms [~~where care is less than 24~~
 123 ~~hours~~], and Type II assisted living facilities. Type II assisted living facilities with five or fewer
 124 persons shall be classified as a Group R-4. Type II assisted living facilities with at least six and
 125 not more than 16 residents shall be classified as a Group I-1 facility".

126 [~~(d)~~] (k) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
 127 Institutional Group I, Group I-4, Day care facilities, [~~Child care facility~~] Classification as
 128 Group E, is amended as follows:

129 (i) On line [~~three~~] two delete the word "five" and replace it with the word "four".

130 [~~(ii) On line two of the exception delete the word "five" and replace it with the word~~
 131 ~~"four".]~~

132 (ii) On line three delete the words "2 1/2 years or less of age" and replace with the
 133 words "under the age of two".

134 (l) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
 135 Institutional Group Care I, Group I-4, Day care facilities, Five or fewer occupants receiving
 136 care in a dwelling unit, is amended as follows: On lines one and two the word "five" is deleted
 137 and replaced with the word "four".

138 [~~(e)~~] (m) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
 139 Residential [~~Group R, R-2, is amended to add the following: "Exception: Boarding houses~~
 140 ~~accommodating 10 persons or less shall be classified as Residential Group R-3."~~] Group R-3,
 141 the words "and single family dwellings complying with the IRC" are added after the word
 142 "Residential occupancies".

143 [~~(3) For IFC, General Requirements:]~~

144 [~~(a) IFC, Chapter 3, Section 304.1.2, Vegetation, is amended as follows: Delete line six~~
 145 ~~and replace it with: "the Utah Administrative Code, R652-122-200, Minimum Standards for~~
 146 ~~Wildland Fire Ordinance".]~~

147 [~~(b) IFC, Chapter 3, Section 310.8, Hazardous Environmental Conditions, is deleted~~
 148 ~~and rewritten as follows: "When the fire code official determines that hazardous environmental~~
 149 ~~conditions necessitate controlled use of any ignition source, including fireworks, lighters,~~
 150 ~~matches, and smoking materials, the ignition or use of the source in mountainous,~~
 151 ~~brush-covered, or forest-covered areas is prohibited except in approved areas as allowed by the~~

152 AHJ.]"

153 [~~(c) IFC, Chapter 3, Section 311.1.1, Abandoned premises, is amended as follows: On~~
154 ~~line 10 delete the words "International Property Maintenance Code and the".]~~

155 [~~(d) IFC, Chapter 3, Section 311.5, Placards, is amended as follows: On line three~~
156 ~~delete the word "shall" and replace it with the word "may".]~~

157 [~~(e) IFC, Chapter 3, Section 315.2.1, Ceiling clearance, is amended to add the~~
158 ~~following: "Exception: Where storage is not directly below the sprinkler heads, storage is~~
159 ~~allowed to be placed to the ceiling on wall-mounted shelves that are protected by fire sprinkler~~
160 ~~heads in occupancies meeting classification as light or ordinary hazard."]~~

161 (n) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
162 Residential Group R-3, Care facilities within a dwelling, is amended as follows: On line three
163 after the word "dwelling" insert "other than child care".

164 (o) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,
165 Residential Group R-3, a new section is added as follows: "Child Care. Areas used for child
166 care purposes may be located in a residential dwelling unit when all of the following conditions
167 are met:

168 1. Compliance with Utah Administrative Code, R710-8, Day Care Rules, as enacted
169 under the authority of the Utah Fire Prevention Board;

170 2. Use is approved by the Utah Department of Health under the authority of the Utah
171 Code, Title 26, Chapter 39, Utah Child Care Licensing Act, and in any of the following
172 categories:

173 1.1. Utah Administrative Code, R430-50, Residential Certificate Child Care; or

174 1.2. Utah Administrative Code, R430-90, Licensed Family Child Care; and

175 3. Compliance with all zoning regulations of the local regulator."

176 (p) IFC, Chapter 2, Section 202, General Definitions, RECORD DRAWINGS, the
177 definition for "RECORD DRAWINGS" is modified by deleting the words "a fire alarm
178 system" and replacing them with "any fire protection system".

179 Section 3. Section **15A-5-202.5** is enacted to read:

180 **15A-5-202.5. Amendments and additions to Chapters 3 and 4 of IFC.**

181 (1) For IFC, Chapter 3, General Requirements:

182 (a) IFC, Chapter 3, Section 304.1.2, Vegetation, is amended as follows: Delete line six

183 and replace it with: "the Utah Administrative Code, R652-122-200, Minimum Standards for
 184 Wildland Fire Ordinance".

185 (b) IFC, Chapter 3, Section 308.1.2, Throwing or Placing Sources of Ignition, is
 186 amended as follows: On line three after the word "matches" add the words "fireworks, lighters,
 187 sky lanterns" ~~↔~~ and add the following: "Exception: Use of a sky lantern is permitted
 187a beginning on January 1 through May 31st and beginning on November 1 through December
 187b 31 of each year ~~↔~~ . ~~↔~~ " ~~↔~~

188 (c) IFC, Chapter 3, Section 310.8, Hazardous Environmental Conditions, is deleted and
 189 rewritten as follows: "When the fire code official determines that hazardous environmental
 190 conditions necessitate controlled use of any ignition source, including fireworks, lighters,
 191 matches, and smoking materials, the ignition or use of the source in mountainous,
 192 brush-covered, or forest-covered areas is prohibited except in approved areas as allowed by the
 193 AHJ."

194 (d) IFC, Chapter 3, Section 311.1.1, Abandoned Premises, is amended as follows: On
 195 line 10 delete the words "International Property Maintenance Code and the".

196 (e) IFC, Chapter 3, Section 311.5, Placards, is amended as follows: On line three delete
 197 the word "shall" and replace it with the word "may".

198 (f) IFC, Chapter 3, Section 315.2.1, Ceiling Clearance, is amended to add the
 199 following: "Exception: Where storage is not directly below the sprinkler heads, storage is
 200 allowed to be placed to the ceiling on wall-mounted shelves that are protected by fire sprinkler
 201 heads in occupancies meeting classification as light or ordinary hazard."

202 (2) IFC, Chapter 4, Emergency Planning and Preparedness:

203 (a) IFC, Chapter 4, Section 404.2, Where required, Subsection 8, is amended as
 204 follows: After the word "buildings" add "to include sororities and fraternity houses".

205 (b) IFC, Chapter 4, Section 405.2, Table 405.2, is amended to add the following
 206 footnotes:

207 (i) "e. Secondary schools in Group E occupancies shall have an emergency evacuation
 208 drill for fire conducted at least every two months, to a total of four emergency evacuation drills
 209 during the nine-month school year. The first emergency evacuation drill for fire shall be
 210 conducted within 10 school days after the beginning of classes, and the third emergency
 211 evacuation drill for fire shall be conducted 10 school days after the beginning of the next
 212 calendar year. The second and fourth emergency evacuation drills may be substituted by a
 213 security or safety drill to include shelter in place, earthquake drill, or lock down for violence."

214 (ii) "f. In Group E occupancies, excluding secondary schools, if the AHJ approves, the
215 monthly required emergency evacuation drill can be substituted by a security or safety drill to
216 include shelter in place, earthquake drill, or lock down for violence. The routine emergency
217 evacuation drill for fire must be conducted at least every other evacuation drill."

218 (iii) "g. A-3 occupancies in academic buildings of institutions of higher learning are
219 required to have one emergency evacuation drill per year, provided the following conditions are
220 met:

221 (A) The building has a fire alarm system in accordance with Section 907.2.

222 (B) The rooms classified as assembly shall have fire safety floor plans as required in
223 Section 404.3.2(4) posted.

224 (C) The building is not classified a high-rise building.

225 (D) The building does not contain hazardous materials over the allowable quantities by
226 code."

227 Section 4. Section **15A-5-203** is amended to read:

228 **15A-5-203. Amendments and additions to IFC related to fire safety, building, and**
229 **site requirements.**

230 [~~(1) For IFC, Emergency Planning and Preparedness:]~~

231 [~~(a) IFC, Chapter 4, Section 404.2, Where required, Subsection 8, is amended as~~
232 ~~follows: After the word "buildings" add "to include sororities and fraternity houses".]~~

233 [~~(b) IFC, Chapter 4, Section 405.2, Table 405.2, is amended to add the following~~
234 ~~footnotes:]~~

235 [~~(i) "e. Secondary schools in Group E occupancies shall have an emergency evacuation~~
236 ~~drill conducted at least every two months, to a total of four emergency evacuation drills during~~
237 ~~the nine-month school year. The first emergency evacuation drill shall be conducted within 10~~
238 ~~school days of the beginning of classes."~~]

239 [~~(ii) "f. In Group E occupancies, excluding secondary schools, if the AHJ approves,~~
240 ~~the monthly required emergency evacuation drill can be substituted by a security or safety drill~~
241 ~~to include shelter in place, earthquake drill, or lock down for violence. The routine emergency~~
242 ~~evacuation drill for fire must be conducted at least every other evacuation drill."~~]

243 [~~(iii) "g. A-3 occupancies in academic buildings of institutions of higher learning are~~
244 ~~required to have one emergency evacuation drill per year, provided the following conditions are~~

245 met.]

246 [~~(A) The building has a fire alarm system in accordance with Section 907.2.~~]

247 [~~(B) The rooms classified as assembly shall have fire safety floor plans as required in~~
248 ~~Section 404.3.2(4) posted.~~]

249 [~~(C) The building is not classified a high-rise building.~~]

250 [~~(D) The building does not contain hazardous materials over the allowable quantities~~
251 ~~by code.~~"]

252 [~~(2)~~] (1) For IFC, Chapter 5, Fire Service Features:

253 (a) In IFC, Chapter 5, a new Section 501.5, Access grade and fire flow, is added as
254 follows: "An authority having jurisdiction over a structure built in accordance with the
255 requirements of the International Residential Code as adopted in the State Construction Code,
256 may require an automatic fire sprinkler system for the structure only by ordinance and only if
257 any of the following conditions exist:

258 (i) the structure:

259 (A) is located in an urban-wildland interface area as provided in the Utah Wildland
260 Urban Interface Code adopted as a construction code under the State Construction Code; and

261 (B) does not meet the requirements described in Utah Code, Subsection
262 65A-8-203(3)(a) and Utah Administrative Code, R652-122-200, Minimum Standards for
263 Wildland Fire Ordinance;

264 (ii) the structure is in an area where a public water distribution system with fire
265 hydrants does not exist as required in Utah Administrative Code, R309-550-5, Water Main
266 Design;

267 (iii) the only fire apparatus access road has a grade greater than 10% for more than 500
268 continual feet; or

269 (iv) (A) the water supply to the structure does not provide at least 500 gallons fire flow
270 per minute for a minimum of 30 minutes, if the total square foot living space of the structure is
271 equal to or less than 5,000 square feet;

272 (B) the water supply to the structure does not provide at least 750 gallons per minute
273 fire flow for a minimum of 30 minutes, if the total square foot living space exceeds 5,000
274 square feet, but is equal to or less than 10,000 square feet; or

275 (C) the water supply to the structure does not provide at least 1,000 gallons per minute

276 fire flow for a minimum of 30 minutes, if the total square foot living space exceeds 10,000
277 square feet."

278 (b) In IFC, Chapter 5, Section 506.1, Where Required, is deleted and rewritten as
279 follows: "Where access to or within a structure or an area is restricted because of secured
280 openings or where immediate access is necessary for life-saving or fire-fighting purposes, the
281 fire code official, after consultation with the building owner, may require a key box to be
282 installed in an approved location. The key box shall contain keys to gain necessary access as
283 required by the fire code official."

284 [~~(b)~~] (c) In IFC, Chapter 5, a new Section 507.1.1, Isolated one- and two-family
285 dwellings, is added as follows: "Fire flow may be reduced for an isolated one- and two-family
286 dwelling when the authority having jurisdiction over the dwelling determines that the
287 development of a full fire-flow requirement is impractical."

288 [~~(c)~~] (d) In IFC, Chapter 5, a new Section 507.1.2, Pre-existing subdivision lots, is
289 added as follows "Total water supply requirements shall not exceed the fire flows described in
290 Section 501.5(iv) for the largest one- or two-family dwelling, protected by an automatic fire
291 sprinkler system, on a subdivision lot platted before December 31, 1980, unless the
292 municipality or county in which the lot is located provides the required fire flow capacity."

292a **H→ (e) In IFC, Chapter 5, Section 510.1, Emergency Responder Radio Coverage in New**
292b **Buildings, is amended by adding: "When required by the fire code official," at the beginning**
292c **of the first paragraph. ←H**

293 [~~(3)~~] (2) For IFC, Chapter 6, Building Services and Systems:

294 (a) In IFC, Chapter 6, Section 605.11.3.3.1, Access, is deleted and rewritten as follows:
295 "There shall be a minimum three foot wide (914 mm) clear perimeter around the edges of the
296 roof."

297 (b) In IFC, Chapter 6, Section 605.11.3.3.2, Pathways, is deleted and rewritten as
298 follows: "The solar installation shall be designed to provide designated pathways. The
299 pathways shall meet the following requirements:

300 1. The pathway shall be over areas capable of supporting the live load of fire fighters
301 accessing the roof.

302 2. The centerline axis pathways shall be provided in both axes of the roof. Centerline
303 axis pathways shall run where the roof structure is capable of supporting the live load of fire
304 fighters accessing the roof.

305 3. Smoke and heat vents required by Section 910.2.1 or 910.2.2 of this Code, shall be
306 provided with a clear pathway width of not less than three feet (914 mm) to vents.

307 4. Access to roof area required by Section 504.2 or 1009.16 of this Code, shall be
308 provided with a clear pathway width of not less than three feet (914 mm) around access
309 opening and at least three feet (914 mm) clear pathway to parapet or roof edge."

310 (c) In IFC, Chapter 6, Section 605.11.3.2, Residential Systems for One and Two
311 Family Dwellings, is deleted and rewritten as follows: "Access to residential systems for one
312 and two family dwellings shall be provided in accordance with Sections 605.11.3.2.1 through
313 605.11.3.2.4.

314 Exception: Reduction in pathways and clear access width shall be permitted where
315 shown that a rational approach has been used and that such reductions are warranted when
316 approved by the Fire Code Official."

317 (d) In IFC, Chapter 6, Section 605.11.3.3.3, Smoke Ventilation, is deleted and
318 rewritten as follows: "The solar installation shall be designed to meet the following
319 requirements:

320 1. Arrays shall be no greater than 150 feet (45.720 mm) by 150 feet (45.720 mm) in
321 distance in either axis in order to create opportunities for fire department smoke ventilation
322 operations.

323 2. Smoke ventilation options between array sections shall be one of the following:

324 2.1. A pathway six feet (1829 mm) or greater in width.

325 2.2. A three foot (914 mm) or greater in width pathway and bordering roof skylights or
326 smoke and heat vents when required by Section 910.2.1 or Section 910.2.2 of this Code.

327 2.3. Smoke and heat vents designed for remote operation using devices that can be
328 connected to the vent by mechanical, electrical, or any other suitable means, shall be protected
329 as necessary to remain operable for the design period. Controls for remote operation shall be
330 located in a control panel, clearly identified and located in an approved location."

331 [(a)] (e) In IFC, Chapter 6, Section 607.4, Elevator [keys] Key Location, is deleted and
332 rewritten as follows: "Firefighter service keys shall be kept in a "Supra-Stor-a-key" elevator
333 key box or similar box with corresponding key system that is adjacent to the elevator for
334 immediate use by the fire department. The key box shall contain one key for each elevator, one
335 key for lobby control, and any other keys necessary for emergency service. The elevator key
336 box shall be accessed using a 6049 numbered key. [All existing elevator key box locks that do
337 not use the numbered 6049 key shall be changed to the 6049 key by December 31, 2011.]"

338 ~~[(b)]~~ (f) In IFC, Chapter 6, Section 609.1, General, is amended as follows: On line
339 three, after the word "Code", add the words "and NFPA 96".

340 ~~[(4)]~~ (3) For IFC, Chapter 7, Fire-Resistance-Rated Construction, IFC, Chapter 7,
341 Section 703.2, is amended to add the following: "Exception: In Group E Occupancies, where
342 the corridor serves an occupant load greater than 30 and the building does not have an
343 automatic fire sprinkler system installed, the door closers may be of the friction hold-open type
344 on classrooms' doors with a rating of 20 minutes or less only."

345 Section 5. Section **15A-5-204** is amended to read:

346 **15A-5-204. Amendments and additions to IFC related to fire protection systems.**

347 For IFC, Fire Protection Systems:

348 (1) IFC, Chapter 9, Section 901.2, Construction Documents, is amended to add the
349 following at the end of the section: "The code official has the authority to request record
350 drawings ("as built") to verify any modifications to the previously approved construction
351 documents."

352 ~~[(2) IFC, Chapter 9, Section 902.1, Definitions, RECORD DRAWINGS, is deleted and
353 rewritten as follows: "Drawings ("as built") that document all aspects of a fire protection
354 system as installed."]~~

355 (2) IFC, Chapter 9, Section 901.4.6, Pump and Riser Room Size, is deleted and
356 replaced with the following: "Pump and Riser Room Size. Fire pump and automatic sprinkler
357 system riser rooms shall be designed with adequate space for all installed equipment necessary
358 for the installation and to provide sufficient working space around the stationary equipment.
359 Clearances around equipment shall be in accordance with manufacturer requirements and not
360 less than the following minimum elements:

361 901.4.6.1 A minimum clear and unobstructed distance of 12-inches shall be provided
362 from the installed equipment to the elements of permanent construction.

363 901.4.6.2 A minimum clear and unobstructed distance of 12-inches shall be provided
364 between all other installed equipment and appliances.

365 901.4.6.3 A clear and unobstructed width of 36-inches shall be provided in front of all
366 installed equipment and appliances, to allow for inspection, service, repair or replacement
367 without removing such elements of permanent construction or disabling the function of a
368 required fire-resistance-rated assembly.

369 901.4.6.4 Automatic sprinkler system riser rooms shall be provided with a clear and
370 unobstructed passageway to the riser room of not less than 36-inches, and openings into the
371 room shall be clear and unobstructed, with doors swinging in the outward direction from the
372 room and the opening providing a clear width of not less than 34-inches and a clear height of
373 the door opening shall not be less than 80-inches.

374 901.4.6.5 Fire pump rooms shall be provided with a clear and unobstructed
375 passageway to the fire pump room of not less than 72-inches, and openings into the room shall
376 be clear, unobstructed and large enough to allow for the removal of the largest piece of
377 equipment, with doors swinging in the outward direction from the room and the opening
378 providing a clear width of not less than 68-inches and a clear height of the door opening shall
379 not be less than 80-inches."

380 (3) IFC, Chapter 9, Section 903.2.1.2, Group A-2, is amended to add the following
381 subsection: "4. An automatic fire sprinkler system shall be provided throughout Group A-2
382 occupancies where indoor pyrotechnics are used."

383 (4) IFC, Chapter 9, Section 903.2.2, [~~Group B-ambulatory~~] Ambulatory Health Care
384 Facilities, is amended as follows: On line [three] two delete the words "all fire areas floor" and
385 replace with the word "buildings" and delete the last paragraph.

386 (5) IFC, Chapter 9, Section 903.2.4, Group F-1, Subsection 2, is deleted and rewritten
387 as follows: "A Group F-1 fire area is located more than three stories above the lowest level of
388 fire department vehicle access."

389 (6) IFC, Chapter 9, Section 903.2.7, Group M, Subsection 2, is deleted and rewritten as
390 follows: "A Group M fire area is located more than three stories above the lowest level of fire
391 department vehicle access."

392 (7) IFC, Chapter 9, Section 903.2.8 Group R, is amended to add the following:
393 "Exception: Detached one- and two-family dwellings and multiple single-family dwellings
394 (townhouses) constructed in accordance with the International Residential Code for one- and
395 two-family dwellings."

396 (8) IFC, Chapter 9, Section 903.2.8, Group R, is amended to add a second exception as
397 follows: "Exception: Group R-4 fire areas not more than 4,500 gross square feet and not
398 containing more than 16 residents, provided the building is equipped throughout with an
399 approved fire alarm system that is interconnected and receives its primary power from the

400 building wiring and a commercial power system."

401 (9) IFC, Chapter 9, Section 903.2.9, Group S-1, Subsection 2, is deleted and rewritten
402 as follows: "A Group S-1 fire area is located more than three stories above the lowest level of
403 fire department vehicle access."

404 [~~(10) (a) IFC, Chapter 9, Section 903.2.10, Group S-2 enclosed parking garages, is~~
405 ~~deleted and rewritten as follows: "An automatic sprinkler system shall be provided throughout~~
406 ~~buildings classified as parking garages in accordance with Section 406.2 of the International~~
407 ~~Building Code or where located beneath other groups."~~]

408 [~~(b) IFC, Chapter 9, Section 903.2.10, Group S-2 enclosed parking garages, the~~
409 ~~exception is deleted and rewritten as follows: "Exception: Parking garages of less than 5,000~~
410 ~~square feet (464m²) accessory to Group R-3 occupancies."~~]

411 [~~(c) IFC, Chapter 9, Section 903.2.10, Group S-2 enclosed parking garages, is amended~~
412 ~~to add a second exception, as follows: "Exception: Open parking garages not located beneath~~
413 ~~other groups if one of the following conditions are met:]~~

414 [~~1. Access is provided for fire fighting operations to within 150 feet (45,720mm) of all~~
415 ~~portions of the parking garage as measured from the approved fire department vehicle access;~~
416 ~~or]~~

417 [~~2. Class I standpipes are installed throughout the parking garage."~~]

418 [~~(11) IFC, Chapter 9, Section 903.2.10.1, Commercial parking garages, is deleted and~~
419 ~~rewritten as follows: "An automatic sprinkler system shall be provided throughout buildings~~
420 ~~used for storage of commercial trucks or buses."~~]

421 [~~(12)~~ (10) IFC, Chapter 9, Section 903.3.1.1 is amended by adding the following
422 subsection: "903.3.1.1.2 Antifreeze Limitations. Antifreeze used in a new automatic sprinkler
423 system installed in accordance with NFPA 13 may not exceed a maximum concentration of
424 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may
425 not exceed 150 gallons."

426 [~~(13)~~ (11) IFC, Chapter 9, Section 903.3.1.2 is amended by adding the following
427 subsection: "903.3.1.2.2 Antifreeze Limitations. Antifreeze used in a new automatic sprinkler
428 system installed in accordance with NFPA 13R may not exceed a maximum concentration of
429 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may
430 not exceed 150 gallons."

431 ~~[(14)]~~ (12) IFC, Chapter 9, Section 903.3.1.3 is amended by adding the following
432 subsection: "903.3.1.3.1 Antifreeze Limitations. Antifreeze used in a new automatic sprinkler
433 system installed in accordance with NFPA 13D may not exceed a maximum concentration of
434 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may
435 not exceed 150 gallons."

436 ~~[(15)]~~ (13) IFC, Chapter 9, Section 903.3.5, Water supplies, is amended as follows: On
437 line six, after the word "Code", add "and as amended in Utah's State Construction Code".

438 ~~[(16)]~~ (14) IFC, Chapter 9, Section 903.5 is amended to add the following subsection:
439 "903.5.1 Tag and Information. A tag shall be attached to the riser indicating the date the
440 antifreeze solution was tested. The tag shall also indicate the type and concentration of
441 antifreeze solution by volume with which the system is filled, the name of the contractor that
442 tested the antifreeze solution, the contractor's license number, and a warning to test the
443 concentration of the antifreeze solutions at yearly intervals."

444 ~~[(17)] IFC, Chapter 9, Section 903.6, Existing Buildings, and Chapter 46, Section~~
445 ~~4603.4, Sprinkler systems, are amended to add the following subsection to each section:~~
446 ~~"903.6.3 Group A-2 and 4603.4.3 Group A-2. An automatic fire sprinkler system shall be~~
447 ~~provided throughout existing Group A-2 occupancies where indoor pyrotechnics are used."]~~

448 ~~[(18)]~~ (15) IFC, Chapter 9, Section 904.11, Commercial cooking systems, is deleted
449 and rewritten as follows: "The automatic fire extinguishing system for commercial cooking
450 systems shall be of a type recognized for protection of commercial cooking equipment and
451 exhaust systems. Pre-engineered automatic extinguishing systems shall be tested in accordance
452 with UL300 and listed and labeled for the intended application. The system shall be installed
453 in accordance with this code, its listing and the manufacturer's installation instructions. The
454 exception in Section 904.11 is not deleted and shall remain as currently written in the IFC."

455 ~~[(19)]~~ (16) IFC, Chapter 9, Section 904.11.3, Carbon dioxide systems, and Section
456 904.11.3.1, Ventilation system, are deleted and rewritten as follows:

457 (a) "Existing automatic fire extinguishing systems used for commercial cooking that
458 use dry chemical are prohibited and shall be removed from service."

459 (b) "Existing wet chemical fire extinguishing systems used for commercial cooking
460 that are not UL300 listed and labeled are prohibited and shall be either removed or upgraded to
461 a UL300 listed and labeled system."

462 ~~[(20)]~~ (17) IFC, Chapter 9, Section 904.11.4, Special provisions for automatic sprinkler
463 systems, is amended to add the following subsection: "904.11.4.2 Existing automatic fire
464 sprinkler systems protecting commercial cooking equipment, hood, and exhaust systems that
465 generate appreciable depth of cooking oils shall be replaced with a UL300 system that is listed
466 and labeled for the intended application."

467 ~~[(21)]~~ (18) IFC, Chapter 9, Section 904.11.6.2, Extinguishing system service, is
468 amended to add the following: "Exception: Automatic fire extinguishing systems located in
469 occupancies where usage is limited and less than six consecutive months may be serviced
470 annually if the annual service is conducted immediately before the period of usage, and
471 approval is received from the AHJ."

472 (19) IFC, Chapter 9, Section 905.3.9 is a new subsection as follows: "Open Parking
473 Garages. Open parking garages shall be equipped with an approved Class I manual standpipe
474 system when fire department access is not provided for firefighting operations to within 150
475 feet of all portions of the open parking garage as measured from the approved fire department
476 vehicle access. Class I manual standpipe shall be accessible throughout the parking garage
477 such that all portions of the parking structure are protected within 150 feet of a hose
478 connection.

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

481 (20) IFC, Chapter 9, Section 905.8, Dry Standpipes, Exception is deleted and rewritten
482 as follows: "Where subject to freezing conditions and approved by the fire code official."

483 ~~[(22)]~~ (21) IFC, Chapter 9, Section 905.11, Existing buildings, and IFC, Chapter ~~[46]~~
484 11, Section ~~[4603.5]~~ 1103.6, Standpipes, are deleted.

485 ~~[(23)] IFC, Chapter 9, Section 907.3, Where required in existing buildings and~~
486 ~~structures, is deleted, and IFC, Chapter 46, Section 4603.6, Fire alarm systems, is deleted and~~
487 ~~rewritten as follows: "An approved automatic fire detection system shall be installed in~~
488 ~~accordance with the provisions of this code and NFPA 72. Devices, combinations of devices,~~
489 ~~appliances, and equipment shall be approved. The automatic fire detectors shall be smoke~~
490 ~~detectors, except an approved alternative type of detector shall be installed in spaces such as~~
491 ~~boiler rooms where, during normal operation, products of combustion are present in sufficient~~
492 ~~quantity to actuate a smoke detector."]~~

493 **H→ (22) In IFC, Chapter 9, Section 906.1, Where Required, the exception under paragraph 1**
 493a **is deleted and rewritten to read: "Exception: In new and existing Group A, B, and E**
 493b **occupancies equipped with quick response sprinklers, portable fire extinguishers shall be**
 493c **required only in locations specified in items 2 through 6."**

493d ~~[(22)]~~ **23 ←H** IFC, Chapter 9, Section 907.2.3 Group E:

494 (a) The first sentence is deleted and rewritten as follows: "A manual fire alarm system
 495 that initiates the occupant notification system in accordance with Section 907.5 and installed in
 496 accordance with Section 907.6 shall be installed in Group E occupancies."

497 (b) Exception number 3, on line five, delete the words, "emergency voice/alarm
 498 communication system" and replace with "occupant notification system."

499 **H→ [f] (24) [f] [(23)] ←H** IFC, Chapter 9, [~~Section 907.9.5, Maintenance, inspection, and~~
 499a ~~testing]~~

500 907.8, Inspection, testing, and maintenance, is amended to add the following sentences at the
 501 end of the section: "Increases in nuisance alarms shall require the fire alarm system to be tested
 502 for sensitivity. Fire alarm systems that continue after sensitivity testing with unwarranted
 503 nuisance alarms shall be replaced as directed by the AHJ."

504 ~~[(25) IFC, Chapter 9, Section 907.10, Carbon monoxide alarms, is added as follows:~~

505 ~~"Carbon monoxide alarms shall be installed on each habitable level of a dwelling unit or~~
 506 ~~sleeping unit in Groups R-2, R-3, R-4, and I-1 equipped with fuel burning appliances:]~~

507 ~~[901.10.21.1. If more than one carbon monoxide detector is required, they shall be~~
 508 ~~interconnected as required in IFC, Chapter 9, Section 907.2.11.3.]~~

509 ~~[901.10.21.2. In new construction, carbon monoxide detectors shall receive their primary~~
 510 ~~power as required in IFC, Chapter 9, Section 907.2.11.4.]~~

511 ~~[901.10.21.3. Upon completion of the installation, the carbon monoxide detector system will~~
 512 ~~meet the requirements listed in NFPA 720, Installation of Carbon Monoxide Detection and~~
 513 ~~Warning Equipment and UL2034, Standard for Single and Multiple Station Carbon Monoxide~~
 514 ~~Alarms:"]~~

515 **H→ [(24)] (25) ←H** IFC, Chapter 9, Section 908.7, Carbon Monoxide Alarms, is

515a **H→ [amended as follows:**

516 **On line four after the word "alarms" insert the following sentence: "A minimum of one carbon**

517 **monoxide alarm shall be installed on each habitable level."** ~~The entire Exception is deleted] **deleted**
 517a **and rewritten as follows: "Carbon monoxide alarms shall be installed on each habitable level**
 517b **of a dwelling unit or sleeping unit in Groups R-2, R-3, R-4, and I-1 equipped with fuel burning**
 517c **appliances.**~~

517d **908.7.1 If more than one carbon monoxide detector is required, they shall be**
 517e **interconnected as required in IFC, Chapter 9, Section 907.2.11.3**

517f **908.7.2 In new construction, a carbon monoxide detectors shall receive its**

517g **primary power as required under IFC, Chapter 9, Section, 907.2.11.4**
517h **908.7.3 Upon completion of the installation, the carbon monoxide detector system will**
517i **meet the requirements listed in NFPA 720, Installation of Carbon Monoxide Detection and**
517j **Warning Equipment and UL2034, Standard for Single and Multiple Carbon Monoxide**
517k **Alarms** ←Ĥ . Ĥ→ " ←Ĥ

518 Section 6. Section **15A-5-205** is amended to read:

519 **15A-5-205. Amendments and additions to IFC related to means of egress and**
520 **special processes and uses.**

521 [~~For IFC, Means of Egress:~~]

522 (1) IFC, Chapter 10, Section 1008.1.9.6, Special locking arrangements in Group I-2, is
523 amended as follows:

524 (a) The section title "Special locking arrangements in Group I-2." is rewritten to read
525 "Special locking arrangements in Groups I-1 and I-2."

526 (b) On line three, ~~[after]~~ delete the word "Group", and add the words "Group ["I-1
527 and".

528 ~~[(c) On line two and line four delete the word "delayed" and replace it with the word
529 "controlled".]~~

530 ~~[(d) Beginning on line 11, the entire sentence that begins with "A building occupant" is
531 deleted.]~~

532 ~~[(e)]~~ (c) After existing Item [6] 7 add Item [7] 8 as follows: ["7] "8. The secure area or
533 unit with ~~[controlled egress doors]~~ special egress locks shall be located at the level of exit
534 discharge in Type V construction."

535 (2) In IFC, Chapter 10, Section 1008.1.9.7, Delayed egress locks, Item 7 is added after
536 the existing Item 6 as follows: "7. The secure area or unit with delayed egress locks shall be
537 located at the level of exit discharge in Type V construction."

538 ~~[(3) IFC, Chapter 10, Section 1009.4.2, Riser height and tread depth, is amended as
539 follows:]~~

540 ~~[(a) On line six of Exception 5 delete "7¾ inches (197mm)" and replace it with "8
541 inches".]~~

542 ~~[(b) On line seven of Exception 5 delete "10 inches (254mm)" and replace it with "9
543 inches".]~~

544 (3) "In IFC, Chapter 10, Section [B] 1009.7.2, Stair Treads and Risers, Exception 5 is
545 deleted and replaced with the following: "5. In Group R-3 occupancies, within dwelling units
546 in Group R-2 occupancies, and in Group U occupancies that are accessory to a Group R-3
547 occupancy, or accessory to individual dwelling units in Group R-2 occupancies, the maximum
548 riser height shall be 8 inches (203 mm) and the minimum tread depth shall be 9 inches (229
549 mm). The minimum winder tread depth at the walk line shall be 10 inches (254 mm), and the
550 minimum winder tread depth shall be 6 inches (152 mm). A nosing not less than 0.75 inch
551 (19.1 mm) but not more than 1.25 inches (32 mm) shall be provided on stairways with solid
552 risers where the tread depth is less than 10 inches (254 mm)."

553 (4) IFC, Chapter 10, Section 1009.12 ~~[B] 1009.15~~, Handrails, is amended to add the
554 following exception: "6. In occupancies in Group R-3, as applicable in Section ~~[101.2]~~ 1012

555 and in occupancies in Group U, which are accessory to an occupancy in Group R-3, as
556 applicable in Section ~~[101.2]~~ 1012, handrails shall be provided on at least one side of stairways
557 consisting of four or more risers."

558 ~~[(5) IFC, Chapter 10, Section 1013.2, Height, is amended to add the following~~
559 ~~exception: "5. For occupancies in Group R-3 and within individual dwelling units in~~
560 ~~occupancies in Group R-2, as applicable in Section 101.2, guards shall form a protective barrier~~
561 ~~not less than 36 inches (914mm)."]~~

562 ~~[(6) IFC, Chapter 10, Section 1015.2.2, Three or more exits or exit access doorways, is~~
563 ~~amended to add the following sentence at the end of the section: "Additional exits or exit~~
564 ~~access doorways shall be arranged a reasonable distance apart so that if one becomes blocked,~~
565 ~~the others will be available."]~~

566 ~~[(7)] (5) IFC, Chapter 10, Section 1024, Luminous Egress Path Markings, is deleted.~~

567 ~~[(8)] (6) IFC, Chapter 10, Section ~~[1030.2, Reliability]~~ 1030.2.1, Security Devices and~~
568 ~~Egress Locks, is amended to add the following: On line ~~[six]~~ three, after the word "fire", add~~
569 ~~the words "and building".~~

570 Section 7. Section **15A-5-205.5** is enacted to read:

571 **15A-5-205.5. Amendments to Chapter 11 of IFC.**

572 (1) In IFC, Chapter 11, section 1103.2 Emergency Responder Radio Coverage in
573 Existing Buildings, is amended as follows: On line two after the title, the following is added:
574 "When required by the fire code official".

575 (2) IFC, Chapter 11, Section 1103.5, Sprinkler Systems, is amended to add the
576 following new subsection: "1103.5.3 Group A-2. An automatic fire sprinkler system shall be
577 provided throughout existing Group A-2 occupancies where indoor pyrotechnics are used."

578 (3) IFC, Chapter 11, Section 1103.6, Standpipes, is deleted.

579 (4) In IFC, Chapter 11, 1103.7, Fire Alarm Systems, is deleted and rewritten as
580 follows: "1103.7, Fire Alarm Systems. The following shall have an approved fire alarm system
581 installed in accordance with Utah Administrative Code Section R710-4:

582 1. a building with an occupant load of 300 or more persons that is owned or operated
583 by the state;

584 2. a building with an occupant load of 300 or more persons that is owned or operated
585 by an institution of higher education; and

586 3. a building with an occupant load of 50 or more persons that is owned or operated by
 587 a school district, private school, or charter school.

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

590 (5) IFC, Chapter 11, 1103.7.1 Group E, 1103.7.2 Group I-1, 1103.7.3 Group I-2,
 591 1103.7.4 Group I-3, 1103.7.5 Group R-1, 1103.7.5.1 Group R-1 Hotel and Motel Manual Fire
 592 Alarm System, 1103.7.5.1.1 Group R-1 Hotel and Motel Automatic Smoke Detection System,
 593 1103.7.5.2 Group R-1 Boarding and Rooming Houses Manual Fire Alarm System, 1103.7.5.2.1
 594 Group R-1 Boarding and Rooming Houses Automatic Smoke Detection System, 1103.7.6
 595 Group R-2 and 1103.7.7 Group R-4, are deleted.

596 (6) IFC, Chapter 11, Section 1103.9, Carbon Monoxide Alarms, is deleted and
 597 rewritten as follows: ~~It~~ → [~~"Existing Group I or R occupancies located in a building containing a~~
 598 ~~fuel-burning appliance or a building which has an attached garage shall be equipped with~~
 599 ~~single-station carbon monoxide alarms. A minimum of one carbon monoxide alarm shall be~~
 600 ~~installed on each habitable level. The carbon monoxide alarms shall be listed as complying~~
 601 ~~with UL 2034, and be installed maintained in accordance with NFPA 720 and the~~
 602 ~~manufacturer's instructions. An open parking garage, as defined in the International Building~~
 603 ~~Code, or an enclosed parking garage ventilated in accordance with Section 404 of the~~
 604 ~~International Building Code shall not be deemed to be an attached garage]~~ "Carbon monoxide
 604a alarms shall be installed on each habitable level of a dwelling unit or sleeping unit in existing
 604b Groups R-2, R-3, R-4, and I-1 equipped with fuel burning appliances.

604c 908.7.1 If more than one carbon monoxide detector is required, they shall be
 604d interconnected as required in IFC, Chapter 9, Section 907.2.11.3

604e 908.7.2 In new construction, a carbon monoxide detectors shall receive its primary
 604f power as required under IFC, Chapter 9, Section, 907.2.11.4

604g 908.7.3 Upon completion of the installation, the carbon monoxide detector system will
 604h meet the requirements listed in NFPA 720, Installation of Carbon Monoxide Detection and
 604i Warning Equipment and UL2034, Standard for Single and Multiple Carbon Monoxide
 604j Alarms ←It ."

605 Section 8. Section 15A-5-206 is amended to read:

606 **15A-5-206. Amendments and additions to IFC related to hazardous materials,**
 607 **explosives, fireworks, and flammable and combustible liquids.**

608 (1) For IFC, Explosives and Fireworks, IFC, Chapter [33] 56, Section [3301.1.3]
 609 5601.3, Fireworks, Exception 4 is amended to add the following sentence at the end of the
 610 exception: "The use of fireworks for display and retail sales is allowed as set forth in Utah

611 Code, Title 53, Chapter 7, Utah Fire Prevention and Safety Act, Sections 53-7-220 through
612 53-7-225; Utah Code, Title 11, Chapter 3, County and Municipal Fireworks Act; Utah
613 Administrative Code, R710-2; and the State Fire Code."

614 (2) For IFC, Chapter 57, Flammable and Combustible Liquids:

615 (a) IFC, Chapter [~~34~~] 57, Section [~~3401.4~~] 5701.4, Permits, is amended to add the
616 following at the end of the section: "The owner of an underground tank that is out of service for

617 longer than one year shall receive a Temporary Closure Notice from the Department of
618 Environmental Quality, and a copy shall be given to the AHJ."

619 (b) IFC, Chapter ~~[34]~~ 57, Section ~~[3406.1]~~ 5706.1, General, is amended to add the
620 following special operation: "8. Sites approved by the AHJ".

621 (c) IFC, Chapter ~~[34]~~ 57, Section ~~[3406.2]~~ 5706.2, Storage and dispensing of
622 flammable and combustible liquids on farms and construction sites, is amended to add the
623 following: On line five, after the words "borrow pits", add the words "and sites approved by the
624 AHJ".

625 (3) For IFC, Chapter 61, Liquefied Petroleum Gas:

626 (a) IFC, Chapter ~~[38]~~ 61, Section ~~[3801.2]~~ 6101.2, Permits, is amended as follows: On
627 line two, after the word "105.7", add "and the adopted LP Gas rules".

628 (b) IFC, Chapter ~~[38]~~ 61, Section ~~[3803.1]~~ 6103.1, General, is deleted and rewritten as
629 follows: "General. LP Gas equipment shall be installed in accordance with NFPA 54, NFPA
630 58, the adopted LP Gas rules, and the International Fuel Gas Code, except as otherwise
631 provided in this chapter."

632 (c) Chapter ~~[38]~~ 61, Section ~~[3809.12]~~ 6109.12, Location of storage outside of
633 buildings, is amended as follows: In Table ~~[3809.12]~~ 6109.12, Doorway or opening to a
634 building with two or more means of egress, with regard to quantities 720 or less and 721 --
635 2,500, the currently stated "5" is deleted and replaced with "10".

636 ~~[(d) IFC, Chapter 38, Section 3809.14, Alternative location and protection of storage,~~
637 ~~is amended as follows: Delete "20" from line three and replace it with "10".]~~

638 (d) IFC, Chapter 61, Section 6109.15.1, Automated Cylinder Exchange Stations, is
639 amended as follows: Item # 4 is deleted.

640 (e) IFC, Chapter ~~[38]~~ 61, Section ~~[3810.1]~~ 6110.1, Temporarily out of service, is
641 amended as follows: On line two, after the word "discontinued", add the words "for more than
642 one year or longer as allowed by the AHJ,".

643 Section 9. Section **15A-5-207** is amended to read:

644 **15A-5-207. Amendments and additions to IFC related to existing buildings and**
645 **referenced standards.**

646 IFC, Chapter ~~[47]~~ 80, Referenced Standards, is amended as follows:

647 (1) Under the heading NFPA - National Fire Protection Association, delete the existing

648 "Standard reference number" with regard to the edition and replace it with the following:

- 649 (a) "NFPA, Standard 10, Portable Fire Extinguishers, 2010 edition";
- 650 (b) "NFPA, Standard 11, Low-, Medium- and High-expansion Foam, 2010 edition";
- 651 (c) "NFPA, Standard 12, Carbon Dioxide Extinguishing Systems, 2008 edition";
- 652 (d) "NFPA, Standard 12A, Halon 1301 Fire Extinguishing System, 2009 edition";
- 653 (e) "NFPA, Standard 13, Installation of Sprinkler Systems, 2010 edition";
- 654 (f) "NFPA, Standard 13D, Installation of Sprinkler Systems in One- and Two-family
655 Dwellings and Manufactured Homes, 2010 edition";
- 656 (g) "NFPA, Standard 13R, Installation of Sprinkler Systems in Residential
657 Occupancies up to and Including Four Stories in Height, 2010 edition";
- 658 (h) "NFPA, Standard 14, Installation of Standpipe and Hose Systems, 2010 edition";
- 659 (i) "NFPA, Standard 17, Dry Chemical Extinguishing Systems, 2009 edition";
- 660 (j) "NFPA, Standard 17A, Wet Chemical Extinguishing Systems, 2009 edition";
- 661 (k) "NFPA, Standard 20, Installation of Stationary Pumps for Fire Protection, 2010
662 edition";
- 663 (l) "NFPA, Standard 22, Water Tanks for Private Fire Protection, 2008 edition";
- 664 (m) "NFPA, Standard 24, Installation of Private Fire Service Mains and Their
665 Appurtenances, 2010 edition";
- 666 (n) "NFPA, Standard 72, National Fire Alarm Code, 2010 edition," all "Referenced in
667 code section numbers" remain the same, except the exclusion of Table 508.1.5;
- 668 (o) "NFPA, Standard 92B, Smoke Management Systems in Malls, Atria and Large
669 Spaces, 2009 edition";
- 670 (p) "NFPA, Standard 101, Life Safety Code, 2009 edition";
- 671 (q) "NFPA, Standard 110, Emergency and Standby Power Systems, 2010 edition";
- 672 (r) "NFPA 720, Installation of Carbon Monoxide (CO) Detection and Warning
673 Equipment, 2009 edition";
- 674 (s) "NFPA, Standard 750, Water Mist Fire Protection Systems, 2010 edition"; and
- 675 (t) "NFPA, Standard 1123, Fireworks Display, 2010 edition."
- 676 (2) Under the heading UL -- Underwriters Laboratories, Inc., add the following:
677 "UL2034, Standard for Single and Multiple Station Carbon Monoxide Alarms, 1998."
678 Section 10. Section **15A-5-302** is amended to read:

679 **15A-5-302. Amendments and additions to NFPA related to National Fire Alarm**
 680 **Code.**

681 For NFPA 72, National Fire Alarm Code:

682 (1) NFPA 72, Chapter 2, Section 2.2, NFPA Publications, is amended to add the
 683 following NFPA standard: "NFPA 20, Standard for the Installation of Stationary Pumps for
 684 Fire Protection, [2007] 2010 edition."

685 (2) NFPA 72, Chapter [4] 10, Section [4.3.2] 10.4.1, System Designer, Subsection
 686 [4.3.2.2(2)] 10.4.1.2(2), is deleted and rewritten as follows: "National Institute of Certification
 687 in Engineering Technologies (NICET) fire alarm level II certified personnel."

688 (3) NFPA 72, Chapter [4] 10, Section [4.3.3] 10.4.2, System Installer, Subsection
 689 [4.3.3(2)] 10.4.2.2(2), is deleted and rewritten as follows: "National Institute of Certification in
 690 Engineering Technologies (NICET) fire alarm level II certified personnel."

691 (4) NFPA 72, Chapter [4] 10, Section [4.4.3.7,] 10.10, Fire Alarm Signal Deactivation,
 692 Subsection [4.4.3.7.2] 10.10.2, is amended to add the following sentence: "When approved by
 693 the AHJ, the audible notification appliances may be deactivated during the investigation mode
 694 to prevent unauthorized reentry into the building."

695 (5) NFPA 72, Chapter [4] 10, Section [4.4.5] 10.15, Protection of Fire Alarm System,
 696 is deleted and rewritten as follows: "Automatic smoke detection shall be provided at the
 697 location of each fire alarm control unit(s), notification appliance circuit power extenders, and
 698 supervising station transmitting equipment to provide notification of fire at the location."

699 (6) In NFPA 72, Chapter [4] 10, Section [4.4.5] 10.15, a new Exception 1 is added as
 700 follows: "When ambient conditions prohibit installation of automatic smoke detection,
 701 automatic heat detection shall be permitted."

702 (7) In NFPA 72, Chapter [6] 23, Section [6.8.5.9] 23.8.5.9, Signal Initiation -- Fire
 703 Pump, Subsection [6.8.5.9.3] 23.8.5.9.3 is added as follows: "Automatic fire pumps shall be
 704 supervised in accordance with NFPA 20, Standard for the Installation of Stationary Pumps for
 705 Fire Protection, and the AHJ."

706 ~~[(8) NFPA 72, Chapter 7, Section 7.4.1, General Requirements, Subsection 7.4.1.2, is~~
 707 ~~amended as follows: On line three delete "110dBA" and replace it with "120dBA".]~~

708 ~~[(9)]~~ (8) NFPA 72, Chapter [8] 26, Section [8.3.4] 26.3.4, Indication of Central Station
 709 Service, Subsection [8.3.4.7] 26.3.4.7 is amended as follows: On line two, after the word

710 "notified", insert the words "without delay".

711 [~~(10)~~] (9) NFPA 72, Chapter 10, Section [~~10.2.2.5, Service Personnel Qualifications~~
712 ~~and Experience, Subsection 10.2.2.5.1]~~ 10.4.3 Inspection, Testing, and Maintenance Personnel,
713 Subsection 10.4.3.1, is deleted and rewritten as follows: "Service personnel shall be qualified
714 and experienced in the inspection, testing, and maintenance of fire alarm systems. Qualified
715 personnel shall meet the certification requirements stated in Utah Administrative Code,
716 R710-11-3, Fire Alarm System Inspecting and Testing."

717 Section 11. Section **15A-5-401** is amended to read:

718 **15A-5-401. Grandfathering of local ordinances related to automatic sprinkler**
719 **systems.**

720 An ordinance adopted by a legislative body of a political subdivision that is in effect on
721 June 30, 2010, and that imposes a requirement related to an automatic sprinkler system for a
722 structure built in accordance with the requirements of the International Residential Code as
723 adopted in the State Construction Code may remain in effect on or after July 1, 2010,
724 notwithstanding that the ordinance is not authorized under Subsection 15A-5-203[~~(2)~~](1).

725 Section 12. **Effective date.**

726 This bill takes effect on July 1, 2013.

Legislative Review Note
as of 2-1-13 6:05 PM

Office of Legislative Research and General Counsel