

**Representative James A. Dunnigan** proposes the following substitute bill:

**STATE FIRE CODE ACT AMENDMENTS**

2013 GENERAL SESSION

STATE OF UTAH

**Chief Sponsor: James A. Dunnigan**

Senate Sponsor: Curtis S. Bramble

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**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.

This bill coordinates with H.B. 289, Fireworks Amendments, by providing superseding



26 amendments.

27 **Utah Code Sections Affected:**

28 AMENDS:

28a **Ĥ→ 15A-1-403, as enacted by Laws of Utah 2011, Chapter 14 ←Ĥ**

29 **15A-5-103**, as enacted by Laws of Utah 2011, Chapter 14

30 **15A-5-202**, as last amended by Laws of Utah 2012, Chapter 148

31 **15A-5-203**, as enacted by Laws of Utah 2011, Chapter 14

32 **15A-5-204**, as last amended by Laws of Utah 2012, Chapter 148

33 **15A-5-205**, as enacted by Laws of Utah 2011, Chapter 14

34 **15A-5-206**, as enacted by Laws of Utah 2011, Chapter 14

35 **15A-5-207**, as enacted by Laws of Utah 2011, Chapter 14

36 **15A-5-302**, as enacted by Laws of Utah 2011, Chapter 14

37 **15A-5-401**, as enacted by Laws of Utah 2011, Chapter 14

38 ENACTS:

39 **15A-5-202.5**, Utah Code Annotated 1953

40 **15A-5-205.5**, Utah Code Annotated 1953

41 **Utah Code Sections Affected by Coordination Clause:**

42 **15A-5-202**, as last amended by Laws of Utah 2012, Chapter 148



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

44a **Ĥ→ Section 1. Section 15A-1-403 is amended to read:**

44b **15A-1-403. Adoption of State Fire Code.**

44c **(1) (a) The State Fire Code is:**

44d **(i) a code promulgated by a nationally recognized code authority that is adopted by the**

44e **Legislature under this section with any modifications; and**

44f **(ii) a code to which cities, counties, fire protection districts, and the state shall adhere in**  
44g **safeguarding life and property from the hazards of fire and explosion.**

44h **(b) On and after July 1, 2010, the State Fire Code is the State Fire Code in effect on July 1,**  
44i **2010, until in accordance with this section:**

44j **(i) a new State Fire Code is adopted; or**

44k **(ii) one or more provisions of the State Fire Code are amended or repealed in accordance with**  
44l **this section.**

44m **(c) A provision of the State Fire Code may be applicable:**

44n **(i) to the entire state; or**

44o **(ii) within a city, county, or fire protection district. ←Ĥ**

44p **Ĥ→(2) (a) The Legislature shall adopt a State Fire Code by enacting legislation that adopts a**  
 44q **nationally recognized fire code with any modifications.**

44r **(b) Legislation enacted under this Subsection (2) shall state that it takes effect on the July 1**  
 44s **after the day on which the legislation is enacted, unless otherwise stated in the legislation.**

44t **(c) Subject to Subsection (5), a State Fire Code adopted by the Legislature is the State Fire**  
 44u **Code until in accordance with this section the Legislature adopts a new State Fire Code by:**

44v **(i) adopting a new State Fire Code in its entirety; or**

44w **(ii) amending or repealing one or more provisions of the State Fire Code.**

44x **(3) (a) The board shall, by no later than November 30 of each year, recommend to the Business**  
 44y **and Labor Interim Committee whether the Legislature should:**

44z **(i) amend or repeal one or more provisions of the State Fire Code; or**

44aa **(ii) in a year of a regularly scheduled update of a nationally recognized fire code, adopt with**  
 44ab **any modifications the nationally recognized fire code.**

44ac **(b) The board may recommend legislative action related to the State Fire Code:**

44ad **(i) on its own initiative; or**

44ae **(ii) upon the receipt of a request by a city, county, or fire protection district that the board**  
 44af **recommend legislative action related to the State Fire Code.**

44ag **(c) Within 45 days after receipt of a request under Subsection (3)(b), the board shall direct the**  
 44ah **division to convene an informal hearing concerning the request.**

44ai **(d) The board shall conduct a hearing under this section in accordance with the rules of the**  
 44aj **board.**

44ak **(e) The board shall decide whether to include in the report required under Subsection (3)(a)**  
 44al **whether to recommend the legislative action raised by a request.**

44am **(f) Within 15 days following the completion of a hearing of the board under this Subsection**  
 44an **(3), the board shall direct the division to notify the entity that made the request of the board's decision**  
 44ao **regarding the request. The division shall provide the notice:**

44ap **(i) in writing; and**

44aq **(ii) in a form prescribed by the board.**

44ar **(4) If the Business and Labor Interim Committee decides to recommend legislative action to**  
 44as **the Legislature, the Business and Labor Interim Committee shall prepare legislation for consideration**  
 44at **by the Legislature in the next general session that, if passed by the Legislature, would:**

44au **(a) adopt a new State Fire Code in its entirety; or**

44av **(b) amend or repeal one or more provisions of the State Fire Code.**

44aw **(5) (a) Notwithstanding Subsection (3), the board may, in accordance with Title 63G, Chapter**  
 44ax **3, Utah Administrative Rulemaking Act, amend a State Fire Code if the board determines that waiting**  
 44ay **for legislative action in the next general legislative session would:**

44az **(i) cause an imminent peril to the public health, safety, or welfare; or ←Ĥ**

- 44ba **H→** (ii) place a person in violation of federal or other state law.
- 44bb (b) If the board amends a State Fire Code in accordance with this Subsection (5), the board
- 44bc shall:
- 44bd (i) publish the State Fire Code with the amendment; and
- 44be (ii) notify the Business and Labor Interim Committee of the adoption, including a copy of an
- 44bf analysis by the board identifying specific reasons and justifications for its findings.
- 44bg (c) If not formally adopted by the Legislature at its next annual general session, an amendment
- 44bh to a State Fire Code adopted under this Subsection (5) is repealed on the July 1 immediately following
- 44bi the next annual general session that follows the adoption of the amendment.
- 44bj (6) (a) A legislative body of a political subdivision may enact an ordinance that is more
- 44bk restrictive in its fire code requirements than the State Fire Code:
- 44bl (i) in order to meet a public safety need of the political subdivision; and
- 44bm (ii) subject to the requirements of this Subsection (6).
- 44bn (b) A legislative body of a political subdivision that enacts an ordinance under this section on
- 44bo or after July 1, 2010 shall:
- 44bp (i) notify the board in writing at least 30 days before the day on which the legislative body
- 44bq enacts the ordinance and include in the notice a statement as to the proposed subject matter of the
- 44br ordinance; and
- 44bs (ii) after the legislative body enacts the ordinance, report to the board before the board makes
- 44bt the report required under Subsection (6)(c), including providing the board:
- 44bu (A) a copy of the ordinance enacted under this Subsection (6); and
- 44bv (B) a description of the public safety need that is the basis of enacting the ordinance.
- 44bw (c) The board shall submit to the Business and Labor Interim Committee each year with the
- 44bx recommendations submitted in accordance with Subsection (3):
- 44by (i) a list of the ordinances enacted under this Subsection (6) during the fiscal year immediately
- 44bz proceeding the report; and
- 44ca (ii) recommendations, if any, for legislative action related to an ordinance enacted under this
- 44cb Subsection (6).
- 44cc (d) (i) The state fire marshal shall keep an indexed copy of an ordinance enacted under this
- 44cd Subsection (6).
- 44ce (ii) The state fire marshal shall make a copy of an ordinance enacted under this Subsection (6)
- 44cf available on request.
- 44cg (e) The board may make rules in accordance with Title 63G, Chapter 3, Utah Administrative
- 44ch Rulemaking Act, to establish procedures for a legislative body of a political subdivision to follow to
- 44ci provide the notice and report required under this Subsection (6).
- 44cj (7) (a) Subject to the requirements described in this Subsection (7), a county legislative
- 44ck body of a county of the fourth, fifth, or sixth class, as defined in Section 17-50-501, may [; ←H

44cl ~~H→by ordinance, modify]~~ enact an ordinance that is less restrictive than the State Fire Code  
 44cm adopted under Title 15A, Chapter 5, State Fire Code Act, within the unincorporated  
 44cn areas of the county in order to meet a need that exists within the unincorporated areas of the  
 44co county.

44cp (b) A county legislative body that enacts an ordinance described in Subsection (7)(a)  
 44cq shall:

44cr (i) notify the board in writing, at least 30 days before the day on which the county  
 44cs legislative body enacts the ordinance, of the county legislative body's intent to enact the  
 44ct ordinance and include in the notice a description of the ordinance; and

44cu (ii) within 30 days after the day on which the county legislative body enacts the  
 44cv ordinance, submit a written report to the board that includes:

44cw (A) a copy of the ordinance; and

44cx (B) a description of the need within the unincorporated areas of the county that is the  
 44cy basis for enacting the ordinance.

44cz (c) The board shall submit a copy of a ordinance described in this Subsection (7) to the  
 44da Business and Labor Interim Committee each year at the same time the board submits the  
 44db recommendations described in Subsection (3).

44dc (d) The State Fire Marshall shall keep an indexed copy of an ordinance enacted under  
 44dd this Subsection (7) and make a copy of the ordinance available to a person upon request. (e)  
 44de The board may make rules in accordance with Title 63G, Chapter 3, Utah Administrative  
 44df Rulemaking Act, to establish procedures for a county legislative body to provide the notice and  
 44dg report required under this Subsection (7). ←H

45 Section ~~H→~~ [†] 2 ←H . Section 15A-5-103 is amended to read:

46 **15A-5-103. Nationally recognized codes incorporated by reference.**

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

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

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

55 (3) National Fire Protection Association, NFPA 1403, Standard on Live Fire Training  
 56 Evolutions, [2007] 2012 edition, except as amended by Part 3, Statewide Amendments and

57 Additions to NFPA Incorporated as Part of State Fire Code.

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

59 **15A-5-202. Amendments and additions to IFC related to administration, permits,**  
60 **definitions, general, and emergency planning.**

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

62 (a) IFC, Chapter 1, Section 102.9, is amended by adding the following immediately  
63 before the period: "on an emergency basis if:

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

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

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

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

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

72 (3) If the emergency order issued under this section will result in the continued  
73 infringement or impairment of any legal right or interest of any party, the party shall have a  
74 right to appeal the fire code official's order in accordance with IFC, Chapter 1, Section 108."

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

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

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

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

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

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

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

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

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

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

113 ~~[(b)]~~ (h) IFC, Chapter 2, Section 202, General Definitions, Occupancy Classification,  
114 Institutional Group I, Group I-1, is amended as follows: On line [40] 8 add "Type I" in front of  
115 the words "Assisted living facilities".

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

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

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

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

124           ~~[(ii)]~~ (iii) On line 10, after the words [~~"Nursing homes"~~] "Psychiatric hospitals", add  
125 the following to the list: "both intermediate nursing care and skilled nursing care facilities,  
126 ambulatory surgical centers with five or more operating rooms [~~where care is less than 24~~  
127 ~~hours~~], and Type II assisted living facilities. Type II assisted living facilities with five or fewer  
128 persons shall be classified as a Group R-4. Type II assisted living facilities with at least six and  
129 not more than 16 residents shall be classified as a Group I-1 facility".

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

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

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

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

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

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

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

148           ~~[(a) IFC, Chapter 3, Section 304.1.2, Vegetation, is amended as follows: Delete line six~~  
149 ~~and replace it with: "the Utah Administrative Code, R652-122-200, Minimum Standards for~~



150 ~~Wildland Fire Ordinance".]~~

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

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

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

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

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

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

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

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

177 1.1. Utah Administrative Code, R430-50, Residential Certificate Child Care; or

178 1.2. Utah Administrative Code, R430-90, Licensed Family Child Care; and

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

180 (p) IFC, Chapter 2, Section 202, General Definitions, RECORD DRAWINGS, the

181 definition for "RECORD DRAWINGS" is modified by deleting the words "a fire alarm  
182 system" and replacing them with "any fire protection system".

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

184 **15A-5-202.5. Amendments and additions to Chapters 3 and 4 of IFC.**

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

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

189 (b) IFC, Chapter 3, Section 308.1.2, Throwing or Placing Sources of Ignition, is  
190 deleted and rewritten as follows: "No person shall throw or place, or cause to be thrown or  
191 placed, a lighted match, cigar, cigarette, matches, lighters, or other flaming or glowing  
192 substance or object on any surface or article where it can cause an unwanted fire."

193 (c) IFC, Chapter 3, Section 310.8, Hazardous and Environmental Conditions, is deleted  
194 and rewritten as follows: "When the fire code official determines that hazardous environmental  
195 conditions necessitate controlled use of any ignition source, including fireworks, lighters,  
196 matches, sky lanterns, and smoking materials:

197 (i) the legislative body of a municipality within which the hazardous environmental  
198 conditions exist may prohibit only the ignition or use of the ignition source in mountainous,  
199 brush-covered, or forest-covered areas or the wildland urban interface area, which means the  
200 line, area, or zone where structures or other human development meet or intermingle with  
201 undeveloped wildland or land being used for an agricultural purpose; and

202 (ii) where the hazardous environmental conditions exist in unincorporated areas that  
203 meet the description in Subsection (1)(c)(i), the state forester may prohibit the ignition or use  
204 of the ignition source in all or part of these areas, after consulting with the county fire code  
205 official having jurisdiction over that area."

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

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

210 (f) IFC, Chapter 3, Section 315.2.1, Ceiling Clearance, is amended to add the  
211 following: "Exception: Where storage is not directly below the sprinkler heads, storage is

212 allowed to be placed to the ceiling on wall-mounted shelves that are protected by fire sprinkler  
213 heads in occupancies meeting classification as light or ordinary hazard."

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

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

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

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

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

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

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

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

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

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

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

240 **15A-5-203. Amendments and additions to IFC related to fire safety, building, and**  
241 **site requirements.**

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

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

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

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

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

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

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

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

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

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

264           ~~[(2)] (1) For IFC, Chapter 5, Fire Service Features:~~

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

270           ~~(i) the structure:~~

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

273           ~~(B) does not meet the requirements described in Utah Code, Subsection~~

274 65A-8-203(3)(a) and Utah Administrative Code, R652-122-200, Minimum Standards for  
275 Wildland Fire Ordinance;

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

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

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

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

287 (C) the water supply to the structure does not provide at least 1,000 gallons per minute  
288 fire flow for a minimum of 30 minutes, if the total square foot living space exceeds 10,000  
289 square feet."

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

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

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

305 (e) In IFC, Chapter 5, Section 510.1, Emergency Responder Radio Coverage in New  
306 Buildings, is amended by adding: "When required by the fire code official," at the beginning of  
307 the first paragraph.

308 [~~3~~] (2) For IFC, Chapter 6, Building Services and Systems:

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

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

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

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

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

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

325 (c) In IFC, Chapter 6, Section 605.11.3.2, Residential Systems for One and Two  
326 Family Dwellings, is deleted and rewritten as follows: "Access to residential systems for one  
327 and two family dwellings shall be provided in accordance with Sections 605.11.3.2.1 through  
328 605.11.3.2.4.

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

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

335 1. Arrays shall be no greater than 150 feet (45.720 mm) by 150 feet (45.720 mm) in

336 distance in either axis in order to create opportunities for fire department smoke ventilation  
337 operations.

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

339 2.1. A pathway six feet (1829 mm) or greater in width.

340 2.2. A three foot (914 mm) or greater in width pathway and bordering roof skylights or  
341 smoke and heat vents when required by Section 910.2.1 or Section 910.2.2 of this Code.

342 2.3. Smoke and heat vents designed for remote operation using devices that can be  
343 connected to the vent by mechanical, electrical, or any other suitable means, shall be protected  
344 as necessary to remain operable for the design period. Controls for remote operation shall be  
345 located in a control panel, clearly identified and located in an approved location."

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

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

355 [(4)] (3) For IFC, Chapter 7, Fire-Resistance-Rated Construction, IFC, Chapter 7,  
356 Section 703.2, is amended to add the following: "Exception: In Group E Occupancies, where  
357 the corridor serves an occupant load greater than 30 and the building does not have an  
358 automatic fire sprinkler system installed, the door closers may be of the friction hold-open type  
359 on classrooms' doors with a rating of 20 minutes or less only."

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

361 **15A-5-204. Amendments and additions to IFC related to fire protection systems.**

362 For IFC, Fire Protection Systems:

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

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

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

376 901.4.6.1 A minimum clear and unobstructed distance of 12-inches shall be provided  
377 from the installed equipment to the elements of permanent construction.

378 901.4.6.2 A minimum clear and unobstructed distance of 12-inches shall be provided  
379 between all other installed equipment and appliances.

380 901.4.6.3 A clear and unobstructed width of 36-inches shall be provided in front of all  
381 installed equipment and appliances, to allow for inspection, service, repair or replacement  
382 without removing such elements of permanent construction or disabling the function of a  
383 required fire-resistance-rated assembly.

384 901.4.6.4 Automatic sprinkler system riser rooms shall be provided with a clear and  
385 unobstructed passageway to the riser room of not less than 36-inches, and openings into the  
386 room shall be clear and unobstructed, with doors swinging in the outward direction from the  
387 room and the opening providing a clear width of not less than 34-inches and a clear height of  
388 the door opening shall not be less than 80-inches.

389 901.4.6.5 Fire pump rooms shall be provided with a clear and unobstructed  
390 passageway to the fire pump room of not less than 72-inches, and openings into the room shall  
391 be clear, unobstructed and large enough to allow for the removal of the largest piece of  
392 equipment, with doors swinging in the outward direction from the room and the opening  
393 providing a clear width of not less than 68-inches and a clear height of the door opening shall  
394 not be less than 80-inches."

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



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

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

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

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

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

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

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

423 [~~(b) IFC, Chapter 9, Section 903.2.10, Group S-2 enclosed parking garages, the~~  
424 ~~exception is deleted and rewritten as follows: "Exception: Parking garages of less than 5,000~~  
425 ~~square feet (464m<sup>2</sup>) accessory to Group R-3 occupancies."~~]

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

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

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

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

436 [(12)] (10) IFC, Chapter 9, Section 903.3.1.1 is amended by adding the following  
437 subsection: "903.3.1.1.2 Antifreeze Limitations. Antifreeze used in a new automatic sprinkler  
438 system installed in accordance with NFPA 13 may not exceed a maximum concentration of  
439 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may  
440 not exceed 150 gallons."

441 [(13)] (11) IFC, Chapter 9, Section 903.3.1.2 is amended by adding the following  
442 subsection: "903.3.1.2.2 Antifreeze Limitations. Antifreeze used in a new automatic sprinkler  
443 system installed in accordance with NFPA 13R may not exceed a maximum concentration of  
444 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may  
445 not exceed 150 gallons."

446 [(14)] (12) IFC, Chapter 9, Section 903.3.1.3 is amended by adding the following  
447 subsection: "903.3.1.3.1 Antifreeze Limitations. Antifreeze used in a new automatic sprinkler  
448 system installed in accordance with NFPA 13D may not exceed a maximum concentration of  
449 38% premixed propylene glycol or 48% premixed glycerin, and the capacity of the system may  
450 not exceed 150 gallons."

451 [(15)] (13) IFC, Chapter 9, Section 903.3.5, Water supplies, is amended as follows: On  
452 line six, after the word "Code", add "and as amended in Utah's State Construction Code".

453 [(16)] (14) IFC, Chapter 9, Section 903.5 is amended to add the following subsection:  
454 "903.5.1 Tag and Information. A tag shall be attached to the riser indicating the date the  
455 antifreeze solution was tested. The tag shall also indicate the type and concentration of  
456 antifreeze solution by volume with which the system is filled, the name of the contractor that  
457 tested the antifreeze solution, the contractor's license number, and a warning to test the  
458 concentration of the antifreeze solutions at yearly intervals."

459 [(17) IFC, Chapter 9, Section 903.6, Existing Buildings, and Chapter 46, Section

460 4603.4, Sprinkler systems, are amended to add the following subsection to each section:  
461 "903.6.3 Group A-2 and 4603.4.3 Group A-2. An automatic fire sprinkler system shall be  
462 provided throughout existing Group A-2 occupancies where indoor pyrotechnics are used."]

463 [~~(18)~~] (15) IFC, Chapter 9, Section 904.11, Commercial cooking systems, is deleted  
464 and rewritten as follows: "The automatic fire extinguishing system for commercial cooking  
465 systems shall be of a type recognized for protection of commercial cooking equipment and  
466 exhaust systems. Pre-engineered automatic extinguishing systems shall be tested in accordance  
467 with UL300 and listed and labeled for the intended application. The system shall be installed  
468 in accordance with this code, its listing and the manufacturer's installation instructions. The  
469 exception in Section 904.11 is not deleted and shall remain as currently written in the IFC."

470 [~~(19)~~] (16) IFC, Chapter 9, Section 904.11.3, Carbon dioxide systems, and Section  
471 904.11.3.1, Ventilation system, are deleted and rewritten as follows:

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

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

477 [~~(20)~~] (17) IFC, Chapter 9, Section 904.11.4, Special provisions for automatic sprinkler  
478 systems, is amended to add the following subsection: "904.11.4.2 Existing automatic fire  
479 sprinkler systems protecting commercial cooking equipment, hood, and exhaust systems that  
480 generate appreciable depth of cooking oils shall be replaced with a UL300 system that is listed  
481 and labeled for the intended application."

482 [~~(21)~~] (18) IFC, Chapter 9, Section 904.11.6.2, Extinguishing system service, is  
483 amended to add the following: "Exception: Automatic fire extinguishing systems located in  
484 occupancies where usage is limited and less than six consecutive months may be serviced  
485 annually if the annual service is conducted immediately before the period of usage, and  
486 approval is received from the AHJ."

487 (19) IFC, Chapter 9, Section 905.3.9 is a new subsection as follows: "Open Parking  
488 Garages. Open parking garages shall be equipped with an approved Class I manual standpipe  
489 system when fire department access is not provided for firefighting operations to within 150  
490 feet of all portions of the open parking garage as measured from the approved fire department

491 vehicle access. Class I manual standpipe shall be accessible throughout the parking garage  
492 such that all portions of the parking structure are protected within 150 feet of a hose  
493 connection.

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

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

498 [(22)] (21) IFC, Chapter 9, Section 905.11, Existing buildings, and IFC, Chapter [46]  
499 11, Section [4603.5] 1103.6, Standpipes, are deleted.

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

508 (22) In IFC, Chapter 9, Section 906.1, Where Required, the exception under paragraph  
509 1 is deleted and rewritten to read: "Exception: In new and existing Group A, B, and E  
510 occupancies equipped with quick response sprinklers, portable fire extinguishers shall be  
511 required only in locations specified in items 2 through 6.

512 (23) IFC, Chapter 9, Section 907.2.3 Group E:

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

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

518 (24) IFC, Chapter 9, [Section 907.9.5, Maintenance, inspection, and testing] 907.8,  
519 Inspection, testing, and maintenance, is amended to add the following sentences at the end of  
520 the section: "Increases in nuisance alarms shall require the fire alarm system to be tested for  
521 sensitivity. Fire alarm systems that continue after sensitivity testing with unwarranted nuisance

522 alarms shall be replaced as directed by the AHJ."

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

524 ~~"Carbon monoxide alarms shall be installed on each habitable level of a dwelling unit or~~

525 ~~sleeping unit in Groups R-2, R-3, R-4, and I-1 equipped with fuel burning appliances:]~~

526 ~~[901.10.21.1. If more than one carbon monoxide detector is required, they shall be~~

527 ~~interconnected as required in IFC, Chapter 9, Section 907.2.11.3.]~~

528 ~~[901.10.21.2. In new construction, carbon monoxide detectors shall receive their primary~~

529 ~~power as required in IFC, Chapter 9, Section 907.2.11.4.]~~

530 ~~[901.10.21.3. Upon completion of the installation, the carbon monoxide detector system will~~

531 ~~meet the requirements listed in NFPA 720, Installation of Carbon Monoxide Detection and~~

532 ~~Warning Equipment and UL2034, Standard for Single and Multiple Station Carbon Monoxide~~

533 ~~Alarms."]~~

534 (25) IFC, Chapter 9, Section 908.7, Carbon Monoxide Alarms, is deleted and rewritten

535 as follows: "Carbon monoxide alarms shall be installed on each habitable level of a dwelling

536 unit or sleeping unit in Groups R-1, R-2, R-3, R-4, I-1, and I-4 equipped with fuel burning

537 appliances.

538 908.7.1 If more than one carbon monoxide detector is required, they shall be

539 interconnected as required in IFC, Chapter 9, Section 907.2.11.3.

540 908.7.2 In new construction, a carbon monoxide detector shall receive its primary

541 power as required under IFC, Chapter 9, Section 907.2.11.4.

542 908.7.3 Upon completion of the installation, the carbon monoxide detector system will

543 meet the requirements listed in NFPA 720, Installation of Carbon Monoxide Detection and

544 Warning Equipment and UL2034, Standard for Single and Multiple Carbon Monoxide Alarms.

545 (26) IFC Section 908.7.1 is renumbered to 908.7.4.

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

547 **15A-5-205. Amendments and additions to IFC related to means of egress and**

548 **special processes and uses.**

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

550 (1) IFC, Chapter 10, Section 1008.1.9.6, Special locking arrangements in Group I-2, is

551 amended as follows:

552 (a) The section title "Special locking arrangements in Group I-2." is rewritten to read

553 "Special locking arrangements in Groups I-1 and I-2."

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

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

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

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

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

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

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

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

572 (3) "In IFC, Chapter 10, Section [B] 1009.7.2, Stair Treads and Risers, Exception 5 is  
573 deleted and replaced with the following: "5. In Group R-3 occupancies, within dwelling units  
574 in Group R-2 occupancies, and in Group U occupancies that are accessory to a Group R-3  
575 occupancy, or accessory to individual dwelling units in Group R-2 occupancies, the maximum  
576 riser height shall be 8 inches (203 mm) and the minimum tread depth shall be 9 inches (229  
577 mm). The minimum winder tread depth at the walk line shall be 10 inches (254 mm), and the  
578 minimum winder tread depth shall be 6 inches (152 mm). A nosing not less than 0.75 inch  
579 (19.1 mm) but not more than 1.25 inches (32 mm) shall be provided on stairways with solid  
580 risers where the tread depth is less than 10 inches (254 mm)."

581 (4) IFC, Chapter 10, Section 1009.12 [B] 1009.15, Handrails, is amended to add the  
582 following exception: "6. In occupancies in Group R-3, as applicable in Section [~~101.2~~] 1012  
583 and in occupancies in Group U, which are accessory to an occupancy in Group R-3, as

584 applicable in Section ~~[101.2]~~ 1012, handrails shall be provided on at least one side of stairways  
585 consisting of four or more risers."

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

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

594 ~~[(7)]~~ (5) IFC, Chapter 10, Section 1024, Luminous Egress Path Markings, is deleted.

595 ~~[(8)]~~ (6) IFC, Chapter 10, Section ~~[1030.2, Reliability]~~ 1030.2.1, Security Devices and  
596 Egress Locks, is amended to add the following: On line ~~[six]~~ three, after the word "fire", add  
597 the words "and building".

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

599 **15A-5-205.5. Amendments to Chapter 11 of IFC.**

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

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

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

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

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

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

614 3. a building with an occupant load of 50 or more persons that is owned or operated by

615 a school district, private school, or charter school.

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

618 (5) IFC, Chapter 11, 1103.7.1 Group E, 1103.7.2 Group I-1, 1103.7.3 Group I-2,  
619 1103.7.4 Group I-3, 1103.7.5 Group R-1, 1103.7.5.1 Group R-1 Hotel and Motel Manual Fire  
620 Alarm System, 1103.7.5.1.1 Group R-1 Hotel and Motel Automatic Smoke Detection System,  
621 1103.7.5.2 Group R-1 Boarding and Rooming Houses Manual Fire Alarm System, 1103.7.5.2.1  
622 Group R-1 Boarding and Rooming Houses Automatic Smoke Detection System, 1103.7.6  
623 Group R-2 and 1103.7.7 Group R-4, are deleted.

624 (6) IFC, Chapter 11, Section 1103.9, Carbon Monoxide Alarms, is deleted and  
625 rewritten as follows: "Carbon monoxide alarms shall be installed on each habitable level of a  
626 dwelling unit or sleeping unit in existing Groups R-2, R-3, R-4, I-1, and I-4 equipped with fuel  
627 burning appliances.

628 908.7.1 If more than one carbon monoxide detector is required, they shall be  
629 interconnected as required in IFC, Chapter 9, Section 907.2.11.3.

630 908.7.2 In new construction, a carbon monoxide detector shall receive its primary  
631 power as required under IFC, Chapter 9, Section 907.2.11.4.

632 908.7.3 Upon completion of the installation, the carbon monoxide detector system will  
633 meet the requirements listed in NFPA 720, Installation of Carbon Monoxide Detection and  
634 Warning Equipment and UL2034, Standard for Single and Multiple Carbon Monoxide  
635 Alarms."

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

637 **15A-5-206. Amendments and additions to IFC related to hazardous materials,**  
638 **explosives, fireworks, and flammable and combustible liquids.**

639 (1) For IFC, Explosives and Fireworks, IFC, Chapter ~~[33]~~ 56, Section ~~[3301.1.3]~~  
640 5601.3, Fireworks, Exception 4 is amended to add the following sentence at the end of the  
641 exception: "The use of fireworks for display and retail sales is allowed as set forth in Utah  
642 Code, Title 53, Chapter 7, Utah Fire Prevention and Safety Act, Sections 53-7-220 through  
643 53-7-225; Utah Code, Title 11, Chapter 3, County and Municipal Fireworks Act; Utah  
644 Administrative Code, R710-2; and the State Fire Code."

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



646 (a) IFC, Chapter ~~[34]~~ 57, Section ~~[3401.4]~~ 5701.4, Permits, is amended to add the  
647 following at the end of the section: "The owner of an underground tank that is out of service for  
648 longer than one year shall receive a Temporary Closure Notice from the Department of  
649 Environmental Quality, and a copy shall be given to the AHJ."

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

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

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

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

659 (b) IFC, Chapter ~~[38]~~ 61, Section ~~[3803.1]~~ 6103.1, General, is deleted and rewritten as  
660 follows: "General. LP Gas equipment shall be installed in accordance with NFPA 54, NFPA  
661 58, the adopted LP Gas rules, and the International Fuel Gas Code, except as otherwise  
662 provided in this chapter."

663 (c) Chapter ~~[38]~~ 61, Section ~~[3809.12]~~ 6109.12, Location of storage outside of  
664 buildings, is amended as follows: In Table ~~[3809.12]~~ 6109.12, Doorway or opening to a  
665 building with two or more means of egress, with regard to quantities 720 or less and 721 --  
666 2,500, the currently stated "5" is deleted and replaced with "10".

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

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

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

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

675 **15A-5-207. Amendments and additions to IFC related to existing buildings and**  
676 **referenced standards.**

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

678 (1) Under the heading NFPA - National Fire Protection Association, delete the existing  
679 "Standard reference number" with regard to the edition and replace it with the following:

680 (a) "NFPA, Standard 10, Portable Fire Extinguishers, 2010 edition";

681 (b) "NFPA, Standard 11, Low-, Medium- and High-expansion Foam, 2010 edition";

682 (c) "NFPA, Standard 12, Carbon Dioxide Extinguishing Systems, 2008 edition";

683 (d) "NFPA, Standard 12A, Halon 1301 Fire Extinguishing System, 2009 edition";

684 (e) "NFPA, Standard 13, Installation of Sprinkler Systems, 2010 edition";

685 (f) "NFPA, Standard 13D, Installation of Sprinkler Systems in One- and Two-family  
686 Dwellings and Manufactured Homes, 2010 edition";

687 (g) "NFPA, Standard 13R, Installation of Sprinkler Systems in Residential

688 Occupancies up to and Including Four Stories in Height, 2010 edition";

689 (h) "NFPA, Standard 14, Installation of Standpipe and Hose Systems, 2010 edition";

690 (i) "NFPA, Standard 17, Dry Chemical Extinguishing Systems, 2009 edition";

691 (j) "NFPA, Standard 17A, Wet Chemical Extinguishing Systems, 2009 edition";

692 (k) "NFPA, Standard 20, Installation of Stationary Pumps for Fire Protection, 2010  
693 edition";

694 (l) "NFPA, Standard 22, Water Tanks for Private Fire Protection, 2008 edition";

695 (m) "NFPA, Standard 24, Installation of Private Fire Service Mains and Their  
696 Appurtenances, 2010 edition";

697 (n) "NFPA, Standard 72, National Fire Alarm Code, 2010 edition," all "Referenced in  
698 code section numbers" remain the same, except the exclusion of Table 508.1.5;

699 (o) "NFPA, Standard 92B, Smoke Management Systems in Malls, Atria and Large  
700 Spaces, 2009 edition";

701 (p) "NFPA, Standard 101, Life Safety Code, 2009 edition";

702 (q) "NFPA, Standard 110, Emergency and Standby Power Systems, 2010 edition";

703 (r) "NFPA 720, Installation of Carbon Monoxide (CO) Detection and Warning  
704 Equipment, 2009 edition";

705 (s) "NFPA, Standard 750, Water Mist Fire Protection Systems, 2010 edition"; and

706 (t) "NFPA, Standard 1123, Fireworks Display, 2010 edition."

707 (2) Under the heading UL -- Underwriters Laboratories, Inc., add the following:

708 "UL2034, Standard for Single and Multiple Station Carbon Monoxide Alarms, 1998."

709 Section 10. Section **15A-5-302** is amended to read:

710 **15A-5-302. Amendments and additions to NFPA related to National Fire Alarm**  
711 **Code.**

712 For NFPA 72, National Fire Alarm Code:

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

716 (2) NFPA 72, Chapter [~~4~~] 10, Section [~~4.3.2~~] 10.4.1, System Designer, Subsection  
717 [~~4.3.2.2(2)~~] 10.4.1.2(2), is deleted and rewritten as follows: "National Institute of Certification  
718 in Engineering Technologies (NICET) fire alarm level II certified personnel."

719 (3) NFPA 72, Chapter [~~4~~] 10, Section [~~4.3.3~~] 10.4.2, System Installer, Subsection  
720 [~~4.3.3(2)~~] 10.4.2.2(2), is deleted and rewritten as follows: "National Institute of Certification in  
721 Engineering Technologies (NICET) fire alarm level II certified personnel."

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

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

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

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

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

739            [~~(9)~~] (8) NFPA 72, Chapter [8] 26, Section [~~8.3.4~~] 26.3.4, Indication of Central Station  
740 Service, Subsection [~~8.3.4.7~~] 26.3.4.7 is amended as follows: On line two, after the word  
741 "notified", insert the words "without delay".

742            [~~(10)~~] (9) NFPA 72, Chapter 10, Section [~~10.2.2.5, Service Personnel Qualifications~~  
743 ~~and Experience, Subsection 10.2.2.5.1~~] 10.4.3 Inspection, Testing, and Maintenance Personnel,  
744 Subsection 10.4.3.1, is deleted and rewritten as follows: "Service personnel shall be qualified  
745 and experienced in the inspection, testing, and maintenance of fire alarm systems. Qualified  
746 personnel shall meet the certification requirements stated in Utah Administrative Code,  
747 R710-11-3, Fire Alarm System Inspecting and Testing."

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

749            **15A-5-401. Grandfathering of local ordinances related to automatic sprinkler**  
750 **systems.**

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

756            Section 12. **Effective date.**

757            This bill takes effect on July 1, 2013.

758            Section 13. **Coordinating H.B. 217 with H.B. 289 -- Providing for superseding**  
759 **amendments.**

760            If this H.B. 217 and H.B. 289, Fireworks Amendments, both pass and become law, the  
761 Legislature intends that the Office of Legislative Research and General Counsel in preparing  
762 the Utah Code database for publication, have the amendments to Section 15A-5-202 in this  
763 H.B. 217 supersede the amendments to Section 15A-5-202 in H.B. 289.