

Code Review

2018 Changes to International Codes

I-CODES - CCC - FIRE TAC

W A R N I N G

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W A R N I N G



2018 International Building Code (I-Codes) – CCC Provisions

Fire Technical Advisory Committee (TAC)

**2018 International Building Code (I-Codes) – CCC Provisions
Fire TAC**

Code Change No	Section	Change Summary b/t 2015 I-Codes and 2018 I-Codes	Change Summary b/t 2017 FBC and 2018 I-Codes	Staff comments									
CCC 2-15	IEBC: Table 1401.7	Revises table 1401.7 “Summary Sheet-Building Code” to insert a footnote in Table 1401.7 clarifying that the 1401.6.21.1, 1401.6.21.2 and 1401.6.21.3 Safety Parameters are only applicable to I-2 occupancies. Cost Impact: Will not increase the cost of construction. This is an editorial change.	Same as change between 2015 IEBC and 2018 IEBC										
TAC Action Accommodate Florida Specific Need: YES (Select Criteria) <input type="checkbox"/> NO: <input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/> Others (Explain): <input type="text"/>		Commission Action Accommodate Florida Specific Need: YES (Select Criteria) <input type="checkbox"/> NO: <input type="checkbox"/> a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/> Others (Explain): <input type="text"/>		<table border="1"> <thead> <tr> <th></th> <th>TAC</th> <th>Cmsn.</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> No Action Needed</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Overlapping provisions</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </tbody> </table>		TAC	Cmsn.	<input type="checkbox"/> No Action Needed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Overlapping provisions	<input type="checkbox"/>	<input type="checkbox"/>
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CCC8-16	IBC: 901.6.1.	Revises section 901.6.1 “Automatic sprinkler systems” to correlate with what is already permitted in Section 903.4. Cost Impact: Will not increase the cost of construction. This is simply a correlation with what is already permitted in Section 903.4 therefore there is no cost impact.	Same as change between 2015 IBC and 2018 IBC										
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Rule 61G20-2.002 2. Technical amendments needed to accommodate the specific needs of this state include but are not limited to amendments to the Florida Building Code that provide for the following:
 a. Establish minimum life safety construction requirements to protect buildings and their occupants from fire, wind, flood, and storm surge using the latest technical research and engineering standards for buildings and materials products. b. Provide for flood protection provisions that are consistent with the latest flood protection requirements of the National Flood Insurance Program. c. Maintain eligibility for federal funding and discounts from the National Flood Insurance Program, the Federal Emergency Management Agency, and the United States Department of Housing and Urban Development. d. Provide for energy efficiency standards for buildings that meet or exceed the national energy standards as mandated by Title III of the Energy Conservation and Protection Act. e. Maintain coordination with the Florida Fire Prevention Code. f. Provide for the latest industry standards and design

CCC10-16	IBC: 202 (New)	<p>Adds new section 202 definition of "Fire Official" for consistency and clarity.</p> <p>Cost Impact: Will not increase the cost of construction. This proposal does not increase the cost of construction because there are no technical impacts from this proposal.</p>	Same as change between 2015 IBC and 2018 IBC				
<p>TAC Action</p> <p>Accommodate Florida Specific Need: YES (Select Criteria) <input type="checkbox"/> NO: <input type="checkbox"/></p> <p>a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/></p> <p>Others (Explain):</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>		<p>Commission Action</p> <p>Accommodate Florida Specific Need: YES (Select Criteria) <input type="checkbox"/> NO: <input type="checkbox"/></p> <p>a. <input type="checkbox"/> b. <input type="checkbox"/> c. <input type="checkbox"/> d. <input type="checkbox"/> e. <input type="checkbox"/> f. <input type="checkbox"/></p> <p>Others (Explain):</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>			TAC	Cmsn.	
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Table 1401.7

Proponent: Anthony Apfelbeck, City of Altamonte Spring Buiding/Fire Safety , representing City of Altamonte Springs (ACApfelbeck@altamonte.org)

In accordance with ICC Council Policy CP28, Section 4.4 (See page xlv of the Introduction of this code change monograph), the Code Correlation Committee has deemed the following code change proposal to be editorial.

This code change proposal will be published in the next edition of the code without further consideration unless it is added to the IEBC code development committee agenda by request of any individual that believes this proposal should be heard by the IEBC code development committee during the committee action hearings. As noted in Section 4.4, anyone may request that this proposal be added to the hearing agenda. The deadline to make such a request is 11:59 pm Pacific on Sunday, April 5th via email. Be sure to identify the code change number noted above.

Such requests must be sent to: Dave Bowman, Manager, Codes: dbowman@iccsafe.org.

For information on the Code Correlation Committee please visit: <http://www.iccsafe.org/cs/CCC>.

2015 International Existing Building Code

Revise as follows:

**TABLE 1401.7
SUMMARY SHEET-BUILDING CODE**

Existing occupancy: _____		Proposed occupancy: _____	
Year building was constructed: _____		Number of stories: _____ Height in feet: _____	
Type of construction: _____		Area per floor: _____	
Percentage of open perimeter increase: _____ %			
Completely suppressed:	Yes _____ No _____	Corridor wall rating: _____	
Compartmentation:	Yes _____ No _____	Required door closers:	Yes _____ No _____
Fire-resistance rating of vertical opening enclosures _____			
Type of HVAC system: _____, serving number of floors: _____			
Automatic fire detection:	Yes _____ No _____	Type and location: _____	
Fire alarm system:	Yes _____ No _____	Type: _____	
Smoke control:	Yes _____ No _____	Type: _____	
Adequate exit routes:	Yes _____ No _____	Dead ends: _____	Yes _____ No _____
Maximum exit access travel distance: _____		Elevator controls:	Yes _____ No _____
Means of egress emergency lighting: Yes _____ No _____		Mixed occupancies:	Yes _____ No _____

Standpipes		Yes _____ No _____	Patient ability for self-preservation _____
Incidental use		Yes _____ No _____	Patient concentration _____
Smoke compartmentation less than 22,500 sq. feet (2092 m ²)		Yes _____ No _____	Attendant-to-patient ratio _____

SAFETY PARAMETERS	FIRE SAFETY (FS)	MEANS OF EGRESS (ME)	GENERAL SAFETY (GS)
1401.6.1 Building Height 1401.6.2 Building Area 1401.6.3 Compartmentation			
1401.6.4 Tenant and Dwelling Unit Separations 1401.6.5 Corridor Walls 1401.6.6 Vertical Openings			
1401.6.7 HVAC Systems 1401.6.8 Automatic Fire Detection 1401.6.9 Fire Alarm System			
1401.6.10 Smoke control 1401.6.11 Means of Egress 1401.6.12 Dead ends	***		
1401.6.13 Maximum Exit Access Travel Distance 1401.6.14 Elevator Control 1401.6.15 Means of Egress Emergency Lighting	***		
1401.6.16 Mixed Occupancies 1401.6.17 Automatic Sprinklers 1401.6.18 Standpipes 1401.6.19 Incidental Use 1401.6.20 Smoke compartmentation 1401.6.21.1 Patient ability for self-preservation ^a 1401.6.21.2 Patient concentration ^a 1401.6.21.3 Attendant-to-patient Ratio ^a	*** *** ***	*** ÷2 =	
Building score—total value			

***No applicable value to be inserted.

a. Only applicable to Group I-2 occupancies.

Reason: This proposal inserts a footnote in Table 1401.7 clarifying that the 1401.6.21.1, 1401.6.21.2 and 1401.6.21.3 Safety Parameters are only applicable to I-2 occupancies. This is consistent with the direction provided in 1401.6.21. Inclusion of the footnote in the actual table will reduce the potential for errors when the table is being completed and evaluated.

Cost Impact: Will not increase the cost of construction

Table 1401.7

Proponent: Anthony Apfelbeck, City of Altamonte Spring Buiding/Fire Safety , representing City of Altamonte Springs (ACApfelbeck@altamonte.org)

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Compartmentation:	Yes _____ No _____	Required door closers:	Yes _____ No _____
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Type of HVAC system: _____, serving number of floors: _____			
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Standpipes		Yes _____ No _____	Patient ability for self-preservation _____
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Smoke compartmentation less than 22,500 sq. feet (2092 m ²)		Yes _____ No _____	Attendant-to-patient ratio _____

SAFETY PARAMETERS	FIRE SAFETY (FS)	MEANS OF EGRESS (ME)	GENERAL SAFETY (GS)
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Building score—total value			

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Reason: This proposal inserts a footnote in Table 1401.7 clarifying that the 1401.6.21.1, 1401.6.21.2 and 1401.6.21.3 Safety Parameters are only applicable to I-2 occupancies. This is consistent with the direction provided in 1401.6.21. Inclusion of the footnote in the actual table will reduce the potential for errors when the table is being completed and evaluated.

Cost Impact: Will not increase the cost of construction

Editorial change.

CCC 2-15 : T1401.7-APFELBECK3777

IBC: 901.6.1.

Proponent : Michael O'Brian (fcac@iccsafe.org)

THE FOLLOWING CODE CHANGE PROPOSAL WAS DEEMED TO BE A CORRELATIVE CHANGE IN ACCORDANCE WITH SECTION 11.4 OF CP#28 BY THE CODE CORRELATION COMMITTEE AT ITS FEBRUARY 8, 2016 MEETING.

2015 International Building Code

Revise as follows:

901.6.1 Automatic sprinkler systems. *Automatic sprinkler systems* shall be monitored by an *approved* supervising station.

Exceptions:

1. A supervising station is not required for *automatic sprinkler systems* protecting one and two family dwellings.
2. Limited area systems ~~servicing fewer than 20 sprinklers~~ in accordance with Section 903.3.8.

Reason: The limited area sprinkler requirements were revised in the 2015 IBC and IFC. However, this exception for supervision in the IBC was missed. Section 901.6.1 should be consistent with Section 903.4. Limited area sprinklers now are limited to 6 sprinklers versus 20. The revision simply uses the same language for the identical exception in Section 903.4.

This proposal is submitted by the ICC Fire Code Action Committee (FCAC). The FCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance assigned International Codes with regard to fire safety and hazardous materials in new and existing buildings and facilities and the protection of life and property in wildland urban interface areas. In 2014 and 2015 the Fire-CAC has held 5 open meetings. In addition, there were numerous conference calls, Regional Work Group and Task Group meetings for the current code development cycle, which included members of the committees as well as any interested parties, to discuss and debate the proposed changes. Related documentation and reports are posted on the FCAC website at: [FCAC](#)

Cost Impact: Will not increase the cost of construction

This is simply a correlation with what is already permitted in Section 903.4 therefore there is no cost impact.

CCC8-16 : 901.6.1-
O'BRIAN11199

CCC9-16

IFC: 5001.3.3.8.

Proponent : Jay Weightman, representing Colorado Springs Fire Department, Division of the Fire Marshal (jweightman@springsgov.com)

THE FOLLOWING CODE CHANGE PROPOSAL WAS DEEMED TO BE EDITORIAL BY THE CODE CORRELATION COMMITTEE AT ITS FEBRUARY 8, 2016 MEETING.

2015 International Fire Code

5001.3.3.8 ~~Detection~~ Mitigation of gas or vapor release. *No change to text.*

Reason: The current title for this section indicates "Detection of a gas or vapor" and the text does not mention detection but rather addresses the mitigation of a release. This proposal drops "Detection" and changes the title to "Mitigation". Detection is addressed in a proposal for a new Section 5001.3.3.19.

Cost Impact: Will not increase the cost of construction
There is no impact to cost for this verbiage change as it is merely editorial.

CCC9-16 : 5001.3.3.8-
WEIGHTMAN11704

CCC10-16**IBC: 202 (New)**

Proponent : Stephen DiGiovanni, representing Southern Nevada Chapter of ICC
(sdigiovanni@clarkcountynv.gov)

THE FOLLOWING CODE CHANGE PROPOSAL WAS DEEMED TO BE EDITORIAL BY THE CODE CORRELATION COMMITTEE AT ITS FEBRUARY 8, 2016 MEETING.

2015 International Building Code

Add new definition as follows:

SECTION 202 DEFINITIONS

[F] FIRE CODE OFFICIAL. The fire chief or other designated authority charged with the administration and enforcement of the code, or a duly authorized representative.

Reason: Section 501.2 and multiple sections in Chapter 9 use the term Fire Code Official; however, section 202 lacks a definition of "Fire Code Official". The intent of adding this definition is for consistency and clarity. The proposed definition uses the same definition contained in the ICC 2015 International Fire Code.

Cost Impact: Will not increase the cost of construction

This proposal does not increase the cost of construction because there are no technical impacts from this proposal.

**CCC10-16 : 202 FIRE CODE
OFFICIAL (NEW)-
DIGIOVANNI3811**