

IADMIN



2019 GROUP B PROPOSED CHANGES TO THE I-CODES ALBUQUERQUE COMMITTEE ACTION HEARINGS

April 28 - May 8, 2019
Albuquerque Convention
Center, Albuquerque, NM

2018-2019 Code Development Cycle, Group B (2019) Proposed Changes to the 2019 *International Codes*

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2019 GROUP B – PROPOSED CHANGES TO THE ADMINISTRATIVE PROVISIONS CODE

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TENTATIVE ORDER OF DISCUSSION 2019 PROPOSED CHANGES TO THE ADMINISTRATIVE PROVISIONS CODE

The following is the tentative order in which the proposed changes to the code will be discussed at the public hearings. Proposed changes which impact the same subject have been grouped to permit consideration in consecutive changes.

Proposed change numbers that are indented are those which are being heard out of numerical order. Indentation does not necessarily indicate that one change is related to another. Proposed changes may be grouped for purposes of discussion at the hearing at the discretion of the chair. Note that some ADM code change proposals may not be included on this list, as they are being heard by another committee.

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ADM19-19	ADM47-19 IWUIC
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ADM37-19 Part I	

ADM1-19 Part I

PART I — IEBC®: [A] 202 (New)

PART II — IECC: 202 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IECC-COMMERCIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Existing Building Code

Revise as follows:

[A] CHANGE OF OCCUPANCY. A change in the use of a building or a portion of a building that results in any of the following:

1. A change of occupancy classification.
2. A change from one group to another group within an occupancy classification.
3. Any change in use within a group for which there is a change in application of the requirements of ~~this code~~ the International Building Code.

Proposal # 4071

ADM1-19 Part I

ADM1-19 Part II

IECC: 202 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org)

2018 International Energy Conservation Code

Revise as follows:

CHANGE OF OCCUPANCY. A change in the use of a building or a portion of a building that results in any of the following:

1. A *change of occupancy* classification.
2. A change from one group to another group within an occupancy classification.
3. Any change in use within a group for which there is a change in the application of the requirements of ~~this code~~ the International Building Code.

Reason: The IBC establishes occupancies, thus the IBC and not "this code" should be referenced for a change in use. The IEBC and IECC do not include occupancy classifications. ADM 9-16 Part 1 was a BCAC revised to this definition for consistency between codes. A floor modification changed "specific occupancy classification" to "change in application of the requirements of this code". A public comment changed this definition to a list. The question that has been raised is in the IEBC is this should reference IBC or IEBC/IECC.

This proposal is submitted by the ICC Building Code Action Committee (BCAC) and the ICC Sustainable, Energy and High Performance Code Action Committee (SEHPCAC).

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/codedevelopment-process/building-code-actioncommittee-bcac>.

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The SEHPCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance International Codes with regard to sustainability, energy and high performance as it relates to the built environment included, but not limited to, how these criteria relate to the International Green Construction Code (IgCC) and the International Energy Conservation Code (IECC). In 2018-2019, the SEHPCAC has held five two- or three-day open meetings and numerous workgroup calls, to discuss and debate proposed changes and public comments. Attendees at the meetings and calls included members of the SEHPCAC as well as any interested parties. Related documentation and reports are posted on the SEHPCAC website at <http://www.iccsafe.org/cs/SEHPCAC/Pages/default.aspx>

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial item.

Proposal # 5738

ADM1-19 Part II

ADM2-19 Part I

PART I — IBC®: [A] 202; IEBC®: [A] 202, 202 (New); IFC®: [A] 202; IRC®: [RB] 202

PART II — IECC: SECTION C202, 202

Proponent: Kevin Duerr-Clark, NYS Department of State, representing NYS Department of State (kevin.duerr-clark@dos.ny.gov); Gary Traver, representing NYS Department of State (gary.traver@dos.ny.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IECC-COMMERCIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Building Code

Revise as follows:

[A] CHANGE OF OCCUPANCY. A change in the use of a building or a portion a building which results in one of the following:

1. A change of occupancy classification.
2. A change from one group to another group within an occupancy classification.
3. ~~Any change in use within a group for which there is a change in application of the requirements of this code.~~

2018 International Existing Building Code

[A] CHANGE OF OCCUPANCY. A change in the use of a building or a portion of a building that results in any of the following:

1. A change of occupancy classification.
2. A change from one group to another group within an occupancy classification.
3. ~~Any change in use within a group for which there is a change in application of the requirements of this code.~~

Add new definition as follows:

CHANGE OF USE. A change in the use of a building or a portion of a building, within the same group and classification that results in a change in application of the requirements of this code.

2018 International Fire Code

Revise as follows:

[A] CHANGE OF OCCUPANCY. A change in the use of a building or a portion of a building that results in any of the following:

1. A change of occupancy classification.
2. A change from one group to another group within an occupancy classification.
3. ~~Any change in use within a group for which there is a change in the application of the requirements of this code.~~

2018 International Residential Code

[RB] CHANGE OF OCCUPANCY. A change in the use of a building or portion of a building that involves a change in the application of the requirements of this code.

Proposal # 4320

ADM2-19 Part I

ADM2-19 Part II

IECC: SECTION C202, 202

Proponent: Kevin Duerr-Clark, NYS Department of State, representing NYS Department of State (kevin.duerr-clark@dos.ny.gov); Gary Traver, representing NYS Department of State (gary.traver@dos.ny.gov)

2018 International Energy Conservation Code

SECTION C202 GENERAL DEFINITIONS

Revise as follows:

CHANGE OF OCCUPANCY. A change in the use of a building or a portion of a building that results in any of the following:

1. A *change of occupancy* classification.
2. A change from one group to another group within an occupancy classification.
3. ~~Any change in use within a group for which there is a change in the application of the requirements of this code.~~

Reason: Sections 1001.2.1 and 1001.2.2 of the Existing Building Code stipulate a distinct set of requirements to be met when a Change of Use takes place, and an additional set of requirements for when a Change of Occupancy takes place. However, the combined definition for Change of Use and Change of Occupancy does not support that distinction.

The definition for a Change of Occupancy contains within it the definition for a Change of Use. This leads some code users to believe that both terms are interchangeable. The 2018 code takes a step to clarify this by separating the definition into 3 bullet points, but it does not go far enough.

Removing the third bullet from the definition of Change of Occupancy and adding a new definition for Change of Use, which is based on the language of the third bullet, would provide clarity and simplify enforcement.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is simply a clarification of existing code provisions and does not carry a cost impact.

Proposal # 5745

ADM2-19 Part II

ADM3-19 Part I

PART I — IEBC®: [A] 202; IBC®: [A] 202; IFC®: [A] 202; IRC®: [RB] 202

PART II — IECC: 202

Proponent: Allison Cook, Arlington County, VA, representing VBCOA; Kenney Payne, Moseley Architects, representing AIA Virginia (kpayne@moseleyarchitects.com); Ronald Clements Jr, representing Chesterfield County (clementsro@chesterfield.gov); Bob Orr, representing VBCOA (borr@culpepercounty.gov); Charles Vernon, representing VBCOA (cvernon@arlingtonva.us); David Collins, The American Institute of Architects (dcollins@preview-group.com); Michael Williams, representing Virginia Building and Code Officials Association (VBCOA) (mike.williams@harrisonburgva.gov); Christina Jackson, representing City of Norfolk / WICED of VA (christina.reynolds@norfolk.gov)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IECC-COMMERCIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Existing Building Code

Revise as follows:

[A] CHANGE OF OCCUPANCY. ~~A change in the use of a building or a portion of a building that results in any of the following. Either of the following shall be considered as a change of occupancy where the current IBC requires a greater degree of accessibility, structural strength, fire protection, means of egress, ventilation or sanitation than is existing in the current building or structure:~~

- ~~1. Any change in the occupancy classification of a building or structure.~~
- ~~2. Any change in the purpose of, or a change in the level of activity within, a building or structure.~~
- ~~1. A change of occupancy classification.~~
- ~~2. A change from one group to another group within an occupancy classification.~~
- ~~3. Any change in use within a group for which there is a change in application of the requirements of this code.~~

2018 International Building Code

[A] CHANGE OF OCCUPANCY. ~~A change in the use of a building or a portion a building which results in one of the following. Either of the following shall be considered as a change of occupancy where this code requires a greater degree of accessibility, structural strength, fire protection, means of egress, ventilation or sanitation than is existing in the current building or structure:~~

- ~~1. Any change in the occupancy classification of a building or structure.~~
- ~~2. Any change in the purpose of, or a change in the level of activity within, a building or structure.~~
- ~~1. A change of occupancy classification.~~
- ~~2. A change from one group to another group within an occupancy classification.~~
- ~~3. Any change in use within a group for which there is a change in application of the requirements of this code.~~

2018 International Fire Code

[A] CHANGE OF OCCUPANCY. ~~A change in the use of a building or a portion of a building that results in any of the following. Either of the following shall be considered as a change of occupancy where the International Building Code requires a greater degree of accessibility, structural strength, fire protection, means of egress, ventilation or sanitation than is existing in the current building or structure:~~

- ~~1. Any change in the occupancy classification of a building or structure.~~
- ~~2. Any change in the purpose of, or a change in the level of activity within, a building or structure.~~
- ~~1. A change of occupancy classification.~~
- ~~2. A change from one group to another group within an occupancy classification.~~
- ~~3. Any change in use within a group for which there is a change in the application of the requirements of this code.~~

2018 International Residential Code

[RB] CHANGE OF OCCUPANCY. A change in the use of a building or portion of a building that involves a change in the application of the requirements of this code.

Proposal # 5215

ADM3-19 Part II

IECC: 202

Proponent: Allison Cook, Arlington County, VA, representing VBCOA; Kenney Payne, Moseley Architects, representing AIA Virginia (kpayne@moseleyarchitects.com); Ronald Clements Jr, representing Chesterfield County (clementsro@chesterfield.gov); Bob Orr, representing VBCOA (borr@culpepercounty.gov); Charles Vernon, representing VBCOA (cvernon@arlingtonva.us); David Collins, The American Institute of Architects (dcollins@preview-group.com); Michael Williams, representing Virginia Building and Code Officials Association (VBCOA) (mike.williams@harrisonburgva.gov); Christina Jackson, representing City of Norfolk / WICED of VA (christina.reynolds@norfolk.gov)

2018 International Energy Conservation Code

Revise as follows:

CHANGE OF OCCUPANCY. ~~A change in the use of a building or a portion of a building that results in any of the following~~ Either of the following shall be considered as a change of occupancy where the International Building Code requires a greater degree of accessibility, structural strength, fire protection, means of egress, ventilation or sanitation than is existing in the current building or structure:

1. Any change in the occupancy classification of a building or structure.
2. Any change in the purpose of, or a change in the level of activity within, a building or structure.

~~1. A change of occupancy classification.~~

~~2. A change from one group to another group within an occupancy classification.~~

~~3. Any change in use within a group for which there is a change in the application of the requirements of this code.~~

1.

Reason: The proposed change keeps the language add to the 2018 code regarding change of occupancy classification and change of occupancy within the same classification. By adding the "greater degree" it ensures that businesses are not made to "retro-fit" existing tenant spaces that do not present a risk to the welfare or life safety of the tenants. Any renovations would still need to meet the requirements for alterations of the Existing Building Code.

For example, if a nail salon is change to an office space (assuming the same occupant load), why should the office be required to provide additional electrical outlets (section 1007.4) or new lighting (section 1010.1). There was already a tenant in the space with those conditions. Any life safety issues (such as a need for increased exits or sprinklers) are caught by the "greater degree" language.

The purpose of the Existing Building code should be to allow existing buildings to be renovated and occupied while maintaining the level of safety. It should not be to retrofit the tenant space or building to meet today's code.

Cost Impact: The code change proposal will decrease the cost of construction

This should reduce the cost for business owners/tenants by only applying the change of occupancy requirements of the Existing Building Code if the International Building Code requires a greater degree of any one of the six elements listed.

Proposal # 5746

ADM3-19 Part II

ADM4-19

IBC®: [A] 202; IEBC®: [A] 202

Proponent: David Bonowitz, David Bonowitz, S.E., representing Self (dbonowitz@att.net)

2018 International Building Code

Revise as follows:

[A] REPAIR. The reconstruction, replacement or renewal of any part of an existing building for the purpose of ~~its maintenance or to correct damage~~ correcting damage or restoring the predamage condition.

2018 International Existing Building Code

[A] REPAIR. The reconstruction, replacement or renewal of any part of an *existing building* for the purpose of ~~its maintenance or to correct damage~~ correcting damage or restoring the predamage condition.

Reason: This proposal completes an edit from the last cycle to distinguish repair from maintenance. There is already consensus support for this proposal. The 2018 IEBC definition of ROOF REPAIR already has the wording shown here.

In the last cycle, Group A proposal EB26-15 was approved to clarify distinctions in the IEBC between maintenance and repair. Corresponding changes to the definitions of REPAIR and ROOF REPAIR in the IBC and IEBC would be made in Group B with proposal ADM27-16. Here is what happened:

ICC split the proposal, assigning Part I for REPAIR to the Admin Committee and Part II for ROOF REPAIR to the IBC-S Committee.

IBC-S approved its portion, so Part II was done. But because of a snafu in testimony, the Admin Committee became confused and Disapproved Part I. But that was ok, because ...

At the Public Comment Hearing, Part I was easily Approved as Submitted by a show of hands. All good, until ...

OGV voters supported Part I As Submitted, but only with 55% approval. Since the PCH show-of-hands votes could not be added to the OGV votes, the OGV tally did not reach 2/3, so the consensus on Part I could not be approved, leaving the two codes and the two definitions out of coordination. This proposal corrects that snafu.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
The change is editorial, for coordination with changes already approved last cycle.

Staff Analysis: There is an errata in the first printing of the 2018 IBC regarding the definition of roof repair. The definition was revised in the run up to the 2018 code. It should read:

ROOF REPAIR. Reconstruction or renewal of any part of an existing roof for the purpose of correcting damage or restoring the predamage condition.

Proposal # 4632

ADM4-19

ADM5-19 Part I

PART I — IBC®: [A] 202, 202 (New); IFC®: [A], (New)

PART II — IRC®: [RB] 202, 202 (New), R302.2.1, R302.2.2, R302.2.3, R302.2.4, R302.2.6, R310.1

PART III — IECC: R202 (IRC N1101.6), TABLE R405.5.2(1) [IRC N1105.5.2(1)]

Proponent: Jeffrey Shapiro, P.E., representing Self (jeff.shapiro@intlcodeconsultants.com)

THIS IS A 3 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. PART III WILL BE HEARD BY THE IECC-RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Building Code

Revise as follows:

[A] TOWNHOUSE. ~~A single-family dwelling unit constructed in a group of building that contains three or more attached townhouse units in which each unit extends from the foundation to roof and with open space on at least two sides, constructed in a group, and used, intended, or designed to be built, used, rented, leased, let or hired out to be occupied, or that are occupied for living purposes.~~

Add new definition as follows:

TOWNHOUSE UNIT. A single-family dwelling unit in a townhouse that extends from foundation to roof and with a yard or public way on not less than two sides.

2018 International Fire Code

[A] TOWNHOUSE. ~~A single-family dwelling unit constructed in a group of building that contains three or more attached townhouse units in which each unit extends from the foundation to roof and with open space on not less than two sides, constructed in a group, and used, intended, or designed to be built, used, rented, leased, let or hired out to be occupied, or that are occupied for living purposes.~~

Add new definition as follows:

TOWNHOUSE UNIT. A single-family dwelling unit in a townhouse that extends from foundation to roof and with a yard or public way on not less than two sides.

Proposal # 5675

ADM5-19 Part I

ADM5-19 Part II

IRC®: [RB] 202, 202 (New), R302.2.1, R302.2.2, R302.2.3, R302.2.4, R302.2.6, R310.1

Proponent: Jeffrey Shapiro, P.E., International Code Consultants, representing Self (jeff.shapiro@intlcodeconsultants.com)

2018 International Residential Code

Revise as follows:

[RB] BUILDING. Any one- or two-family dwelling or ~~townhouse, or portion thereof, including townhouses,~~ used or intended to be used for human habitation, for living, sleeping, cooking or eating purposes, or any combination thereof, or any *accessory structure*. For the definition applicable in Chapter 11, see Section N1101.6.

[RB] TOWNHOUSE. ~~A single-family dwelling unit constructed in a group of building that contains three or more attached townhouse units in which each unit extends from foundation to roof and with a yard or public way on not less than two sides, constructed in a group, and used, intended, or designed to be built, used, rented, leased, let or hired out to be occupied, or that are occupied for living purposes.~~

Add new definition as follows:

TOWNHOUSE UNIT. A single-family dwelling unit in a townhouse that extends from foundation to roof and that has a yard or public way on not less than two sides.

Revise as follows:

R302.2.1 Double walls. Each *townhouse unit* shall be separated from other *townhouse units* by two 1-hour fire-resistance-rated wall assemblies tested in accordance with ASTM E119, UL 263 or Section 703.3 of the International Building Code.

R302.2.2 Common walls. Common walls separating ~~townhouses~~ *townhouse units* shall be assigned a fire-resistance rating in accordance with Item 1 or 2. The common wall shared by two ~~townhouses~~ *townhouse units* shall be constructed without plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. The wall shall be rated for fire exposure from both sides and shall extend to and be tight against exterior walls and the underside of the roof sheathing. Electrical installations shall be in accordance with Chapters 34 through 43. Penetrations of the membrane of common walls for electrical outlet boxes shall be in accordance with Section R302.4.

1. Where a fire sprinkler system in accordance with Section P2904 is provided, the common wall shall be not less than a 1-hour fire-resistance-rated wall assembly tested in accordance with ASTM E119, UL 263 or Section 703.3 of the International Building Code.
2. Where a fire sprinkler system in accordance with Section P2904 is not provided, the common wall shall be not less than a 2-hour fire-resistance-rated wall assembly tested in accordance with ASTM E119, UL 263 or Section 703.3 of the International Building Code.

R302.2.3 Continuity. The fire-resistance-rated wall or assembly separating ~~townhouses~~ *townhouse units* shall be continuous from the foundation to the underside of the roof sheathing, deck or slab. The fire-resistance rating shall extend the full length of the wall or assembly, including wall extensions through and separating attached enclosed *accessory structures*.

R302.2.4 Parapets for townhouses. Parapets constructed in accordance with Section R302.2.5 shall be constructed for *townhouses* as an extension of exterior walls or common walls separating townhouse units in accordance with the following:

1. Where roof surfaces adjacent to the wall or walls are at the same elevation, the parapet shall extend not less than 30 inches (762 mm) above the roof surfaces.
2. Where roof surfaces adjacent to the wall or walls are at different elevations and the higher roof is not more than 30 inches (762 mm) above the lower roof, the parapet shall extend not less than 30 inches (762 mm) above the lower roof surface.
Exception: A parapet is not required in the preceding two cases where the roof covering complies with a minimum Class C rating as tested in accordance with ASTM E108 or UL 790 and the roof decking or sheathing is of noncombustible materials or fire-retardant-treated wood for a distance of 4 feet (1219 mm) on each side of the wall or walls, or one layer of 5/8-inch (15.9 mm) Type X gypsum board is installed directly beneath the roof decking or sheathing, supported by not less than nominal 2-inch (51 mm) ledgers attached to the sides of the roof framing members, for a distance of not less than 4 feet (1219 mm) on each side of the wall or walls and any openings or penetrations in the roof are not within 4 feet (1219 mm) of the common walls. Fire-retardant-treated wood shall meet the requirements of Sections R802.1.5 and R803.2.1.2.
3. A parapet is not required where roof surfaces adjacent to the wall or walls are at different elevations and the higher roof is more than 30 inches (762 mm) above the lower roof. The common wall construction from the lower roof to the underside of the higher roof deck shall have not less than a 1-hour fire-resistance rating. The wall shall be rated for exposure from both sides.

R302.2.6 Structural independence. Each ~~individual townhouse~~ *unit* shall be structurally independent.

Exceptions:

1. Foundations supporting *exterior walls* or common walls.
2. Structural roof and wall sheathing from each unit fastened to the common wall framing.
3. Nonstructural wall and roof coverings.
4. Flashing at termination of roof covering over common wall.
5. ~~Townhouses~~ Townhouse units separated by a common wall as provided in Section R302.2.2, Item 1 or 2.

R310.1 Emergency escape and rescue opening required. *Basements, habitable attics* and every sleeping room shall have not less than one operable emergency escape and rescue opening. Where *basements* contain one or more sleeping rooms, an emergency escape and rescue opening shall be required in each sleeping room. Emergency escape and rescue openings shall open directly into a public way, or to a *yard* or court that opens to a public way.

Exceptions:

1. Storm shelters and *basements* used only to house mechanical *equipment* not exceeding a total floor area of 200 square feet (18.58 m²).
2. Where the *dwelling unit* or *townhouse unit* is equipped with an automatic sprinkler system installed in accordance with Section P2904, sleeping rooms in basements shall not be required to have emergency escape and rescue openings provided that the basement has one of the following:
 - 2.1. One means of egress complying with Section R311 and one emergency escape and rescue opening.
 - 2.2. Two means of egress complying with Section R311.

Proposal # 5547

ADM5-19 Part II

ADM5-19 Part III

IECC: R202 (IRC N1101.6), TABLE R405.5.2(1) [IRC N1105.5.2(1)]

Proponent: Jeffrey Shapiro, P.E., International Code Consultants, representing Self (jeff.shapiro@intlcodeconsultants.com)

2018 International Energy Conservation Code

SECTION R202 (IRC N1101.6) GENERAL DEFINITIONS

Add new definition as follows:

TOWNHOUSE UNIT. A single-family dwelling unit in a townhouse that extends from foundation to roof and with a yard or public way on not less than two sides.

Revise as follows:

**TABLE R405.5.2(1) [IRC N1105.5.2(1)]
SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS**

Portions of table not shown remain unchanged.

BUILDING COMPONENT	STANDARD REFERENCE DESIGN	PROPOSED DESIGN
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- h. For residences with conditioned basements, R-2 and R-4 residences, and for ~~townhouses~~ townhouse units, the following formula shall be used to determine glazing area:

$$AF = A_s \times FA \times F$$

where:

AF	=	Total glazing area.
A_s	=	Standard reference design total glazing area.
FA	=	(Above-grade thermal boundary gross wall area)/(above-grade boundary wall area + 0.5 × below-grade boundary wall area).
F	=	(above-grade thermal boundary wall area)/(above-grade thermal boundary wall area + common wall area) or 0.56, whichever is greater.

and where:

Thermal boundary wall is any wall that separates conditioned space from unconditioned space or ambient conditions.

Above-grade thermal boundary wall is any thermal boundary wall component not in contact with soil.

Below-grade boundary wall is any thermal boundary wall in soil contact.

Common wall area is the area of walls shared with an adjoining dwelling unit.

L and CFA are in the same units.

Reason: The IRC currently contains the terms "townhouse" and "townhouse unit," but only "townhouse" is defined. Here are examples of a few of the locations where the term "townhouse unit" is currently used:

- Preamble "Effective Use of the International Residential Code," which states: *The International Residential Code (IRC) was created to serve as a complete, comprehensive code regulating the construction of single-family houses, two-family houses (duplexes) and buildings consisting of three or more townhouse units.*
- Section R302.2 states: **Townhouses.** Walls separating townhouse units shall be constructed in accordance with Section R302.2.1 or R302.2.2.
- Appendix K uses the term "townhouse units" throughout to describe individual dwelling units within a townhouse.

The term "townhouse" is currently used interchangeably as referencing either a single dwelling unit or as a structure with three or more such units, even though the current definition does not accommodate the latter. Literally, the current definition of "townhouse" is a "townhouse unit," yet previously approved code changes that introduced the term "townhouse unit" clearly demonstrate the confusion. I've also experienced this confusion when attempting to teach townhouse requirements to students in code classes.

This proposal will clarify the term “townhouse” as applying to structures that contain three or more dwelling units. This is consistent with how the IRC uses the term “dwelling” to reference a building with one or two dwelling units. Some of the text in the “dwelling” definition has been reproduced in the proposed “townhouse” definition, even though it’s arguably poorly written. My objective was consistency, not fixing existing problems with the “dwelling” definition. It should be noted that, while the term “dwelling” currently captures buildings with up to two dwelling units, there is no term that currently defines a structure with more than two dwelling units. The updated definition of “townhouse” fills that hole.

To accommodate the need for a term that applies to individual dwelling units in a townhouse building, the proposal adds a new definition of “townhouse unit.” The new definition is correlated with and uses the term “dwelling unit.” For reference, the current IRC definitions of “dwelling” and “dwelling unit” are provided below, along with clean versions of the proposed “townhouse” and “townhouse unit” definitions for comparison:

- [RB] DWELLING. *Any building that contains one or two dwelling units used, intended, or designed to be built, used, rented, leased, let or hired out to be occupied, or that are occupied for living purposes.*
- [RB] DWELLING UNIT. *A single unit providing complete independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation. For the definition applicable in Chapter 11, see Section N1101.6.*
- [RB] TOWNHOUSE. *A building that contains three or more attached townhouse units constructed in a group, and used, intended, or designed to be built, used, rented, leased, let or hired out to be occupied, or that are occupied for living purposes.*
- [RB] TOWNHOUSE UNIT. *A single-family dwelling unit in a townhouse that extends from foundation to roof and with a yard or public way on not less than two sides.*

In preparing this proposal, each of the 67 occurrences of the term “townhouse” was reviewed to determine whether the term was being used in a manner that applied to the entire structure or individual dwelling units within the structure, and this proposal recommends changes only to those sections where clarifications are needed to clearly convey the current intent of the code with respect to the updated definitions.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
No technical changes are intended by this proposal. The intent is simply to clarify terminology.

Proposal # 5717

ADM5-19 Part III

ADM6-19

IMC®: [A] 101.2; IPC®: 101.2; IEBC®: [A] 101.2; IFGC®: [A] 101.2

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Mechanical Code

Revise as follows:

[A] 101.2 Scope. This code shall regulate the design, installation, maintenance, *alteration* and inspection of mechanical systems that are permanently installed and utilized to provide control of environmental conditions and related processes within buildings. This code shall also regulate those mechanical systems, system components, *equipment* and appliances specifically addressed herein. The installation of fuel gas distribution piping and *equipment*, fuel gas-fired appliances and fuel gas-fired *appliance* venting systems shall be regulated by the International Fuel Gas Code .

Exception: Detached one- and two-family dwellings and ~~multiple single-family dwellings (townhouses)~~ not more than three stories ~~high above~~ grade plane in height with a separate means of egress, and their accessory structures not more than three stories above grade plane in height, shall comply with this code or the International Residential Code.

2018 International Plumbing Code

[A] 101.2 Scope. The provisions of this code shall apply to the erection, installation, alteration, repairs, relocation, replacement, addition to, use or maintenance of plumbing systems within this jurisdiction. This code shall regulate nonflammable medical gas, inhalation anesthetic, vacuum piping, nonmedical oxygen systems and sanitary and condensate vacuum collection systems. The installation of fuel gas distribution piping and equipment, fuel-gas-fired water heaters and water heater venting systems shall be regulated by the International Fuel Gas Code . Provisions in the appendices shall not apply unless specifically adopted.

Exception: Detached one- and two-family dwellings and ~~multiple single-family dwellings (townhouses)~~ not more than three stories ~~high above~~ grade plane in height with a separate means of egress, and their accessory structures not more than three stories above grade plane in height, shall comply with this code or the International Residential Code.

2018 International Existing Building Code

[A] 101.2 Scope. The provisions of the this code shall apply to the *repair, alteration, change of occupancy, addition* to and relocation of *existing* buildings.

Exception: Detached one- and two-family dwellings and ~~multiple single-family dwellings (townhouses)~~ not more than three stories above grade plane in height with a separate means of egress, and their accessory structures not more than three stories above grade plane in height, shall comply with this code or the International Residential Code.

2018 International Fuel Gas Code

[A] 101.2 Scope. This code shall apply to the installation of fuel-gas *piping* systems, fuel gas appliances, gaseous hydrogen systems and related accessories in accordance with Sections 101.2.1 through 101.2.5.

Exception: Detached one- and two-family dwellings and ~~multiple single-family dwellings (townhouses)~~ not more than three stories ~~high above~~ grade plane in height with a separate means of egress, and their accessory structures not more than three stories above grade plane in height, shall comply with this code or the International Residential Code.

Reason: The intent of this proposal is coordination in the exception. This language was revised in the IBC by ADM2-13, ADM32-16 and ADM33-16. IBC

[A] 101.2 Scope. The provisions of this code shall apply to the construction, *alteration*, relocation, enlargement, replacement, *repair*, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

Exception: Detached one- and two-family *dwellings* and *townhouses* not more than three *stories above grade plane* in height with a separate *means of egress*, and their accessory structures not more than three *stories above grade plane* in height, shall comply with this code or the *International Residential Code*.

This same language is in IFC, IMC, IPC, IEBC and IFGC and was not consistently changed. As IFC Section 1001.1 is scoped to the IBC Egress Code Committee this will be addressed next cycle.

IFC (Group A – handle next cycle.)

1001.1 General. Buildings or portions thereof shall be provided with a *means of egress* system as required by this chapter. The provisions of this chapter shall control the design, construction and arrangement of *means of egress* components required to provide an *approved means of egress* from structures and portions thereof. Sections 1003 through 1030 shall apply to new construction. Section 1031 shall apply to existing buildings.

Exception: Detached one- and two-family dwellings ~~and multiple single family dwellings (townhouses)~~ not more than three stories above grade plane in height with a separate means of egress and their accessory structures not more than three stories above grade plane in height, shall comply with this code or the *International Residential Code*.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals.”

This proposal is submitted by the ICC Building Code Action Committee (BCAC) and the ICC Plumbing/Mechanical/Gas Code Action Committee (PMG CAC)

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/building-code-actioncommittee-bcac>.

The PMG CAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance the International Codes or portions thereof that were under the purview of the PMG CAC. In 2017-2018, the PMG CAC held one face-to-face meeting and 11 conference call meetings. Numerous interested parties attended the committee meetings and offered their input. Related documentation and reports are posted on the PMGCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/pmg-code-action-committee-pmgcac>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change that provides consistency between I-codes.

Proposal # 4053

ADM6-19

ADM7-19

IEBC®: [A] 101.2

Proponent: David Bonowitz, representing Self (dbonowitz@att.net)

2018 International Existing Building Code

Revise as follows:

[A] 101.2 Scope. The provisions of the this code shall apply to the *repair, alteration, change of occupancy, addition to and relocation of existing buildings*.

Exception: ~~Detached~~ Subject to the approval of the code official, ~~detached~~ one- and two-family *dwellings* and multiple single-family *dwellings* (*townhouses*) not more than three *stories above grade plane* in height with a separate *means of egress*, and their accessory structures not more than three *stories above grade plane* in height, shall comply with this code or the International Residential Code.

Reason: This proposal edits a new exception that was just added in the last cycle (ADM 31-16). It preserves the intent of that proposal, but it explicitly gives discretion to the code official, thus ensuring consistency within a jurisdiction.

ADM 31-16 added the exception to Section 101.2. The intent was given in the Admin committee's reason statement: "Not mixing codes on the same building will make compliance easier." This is true. By the same token, not mixing codes within a jurisdiction with many similar projects will also make compliance easier and avoid a host of problems. Unfortunately, by giving full discretion to the permit applicant, the new exception creates exactly the problems it meant to solve.

Both the IEBC and the IRC contain provisions for existing dwellings and townhouses. For years, neither code has been completely clear about which code applies in a jurisdiction that adopts both. Rather, that decision has been left to the jurisdiction and its code official. The new exception added to the 2018 IEBC overturned that local practice and removed that local discretion. This proposal restores it.

This proposal will allow jurisdictions that have been using the IEBC for existing dwellings and townhouses to continue doing so. This benefits all stakeholders. First, it supports the local code official and policy-makers who have been using the IEBC without incident. Second, it ensures owners and developers that similar projects will be handled consistently, and consistent with past local precedents. Third, it helps FEMA grant applicants (jurisdictions), and FEMA assistance applicants (owners) comply with FEMA policy, which requires consistent use of the IEBC's upgrade triggers (discussed below). Fourth, it helps insurers and their customers understand and anticipate the costs and benefits of upgrade coverage. The new exception to IEBC Section 101.2 re-opened all those questions, but they can all be answered with this proposal, by allowing jurisdictions to maintain their own precedents and practices.

The proposal is consistent with other IEBC provisions that allow code official discretion. The added words are identical to those used in the exception to IEBC Section 301.3.

Is there a significant difference between the IEBC and the IRC's provisions for existing buildings? Yes, especially with regard to townhouses. The IEBC has 18 provisions that jurisdictions rely on to enhance earthquake, wind, and snow safety in existing townhouses, and ten for existing dwellings. All of these would be lost if a permit applicant is allowed to skip them by invoking the exception to Section 101.2. That said, this does not mean the IEBC treats dwellings just like commercial buildings; on the contrary, the IEBC exempts certain existing dwellings and townhouses from ten different triggers.

Whether one likes these IEBC provisions or not, one must acknowledge that any jurisdiction that has been applying them without incident should be allowed to continue that practice, and that it cannot help consistency to allow such different regulations to apply to similar projects. In many cases, the local code official will want to continue using the IEBC; this proposal allows that. In other cases, the local code official might recognize that the IRC approach is acceptable; this proposal allows that too. But the only way to ensure consistent policy is to have that decision rest with the code official.

Finally, even those who prefer the IRC approach must acknowledge that the new exception will lead to unclear application to individual projects as well. The exception allows ANY existing dwelling or townhouse – even one without conventional framing, or one that violates the conventional framing rules, or is highly deficient, or has irregularities that would make it ineligible for the IRC, or is located in a region that would make it ineligible for the IRC, or is highly vulnerable to wind or earthquake – to use the IRC and avoid addressing those conditions. IRC Section R102.7.1 would be the only applicable provision, and it sets a VERY low bar; it prohibits only projects that would *make* the existing building unsafe. If the existing building is already highly deficient, the IRC sets no limits on alterations, additions, or repairs. By giving discretion to the local code official who best knows the local building stock, the proposal resolves these issues as well.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
The proposal merely gives discretion to the jurisdiction and code official to maintain precedents and past practices.

Proposal # 5237

ADM8-19

IEBC@: 101.2.1 (New)

Proponent: Anthony Apfelbeck, representing City of Altamonte Springs (ACApfelbeck@altamonte.org)

2018 International Existing Building Code

Add new text as follows:

101.2.1 Application of fire code. The construction requirements for existing buildings in Chapter 11 of the *International Fire Code* shall be applied prior to the provisions of this code.

Reason: The ICC family of codes have a conflict between the IEBC and the IFC. Chapter 11 of the IFC establishes the minimum level for all existing buildings and these requirements shall apply prior to the IEBC requirements.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Clarifies the existing intent of the code. Provides no impact to cost over the existing provisions.

Proposal # 5543

ADM8-19

ADM9-19 Part I

PART I — IBC®: [A] 101.3; IFC®: [A] 101.3; IEBC®: [A] 101.3; IPC®: 101.3; IMC®: [A] 101.3; IPSDC®: [A] 101.6; IFGC®: [A] 101.4; ISPSC®: [A] 101.3; IPMC®: [A] 101.3; IZC®: [A] 101.2; IWUIC®: [A] 101.3; ICCPC®: [A] 101.4, [A] 101.4.1

PART II — IECC: C101.3

PART III — IECC: R101.3

PART IV — IRC®: R101.3

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgac@iccsafe.org); Michael O'Brian, FCAC, representing FCAC (fcac@iccsafe.org)

THIS IS A 4 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IECC-COMMERCIAL CODE COMMITTEE. PART III WILL BE HEARD BY THE IECC-RESIDENTIAL CODE COMMITTEE. PART IV WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Building Code

Revise as follows:

[A] 101.3 ~~Intent. Purpose.~~ The purpose of this code is to establish the minimum requirements to provide a reasonable level of safety, ~~public~~ health and general welfare through structural strength, ~~means of egress facilities~~, stability, sanitation, ~~adequate~~ light and ventilation, energy conservation, and safety to life and property from fire, explosion and other hazards, and to provide a reasonable level of safety to fire fighters and emergency responders during emergency operations.

2018 International Fire Code

[A] 101.3 ~~Intent. Purpose.~~ The purpose of this code is to establish the minimum requirements consistent with nationally recognized good practice for providing a reasonable level of life safety and property protection from the hazards of fire, explosion or dangerous conditions in new and existing buildings, structures and premises, and to provide a reasonable level of safety to fire fighters and emergency responders during emergency operations.

2018 International Existing Building Code

[A] 101.3 ~~Intent. Purpose.~~ The ~~intent purpose~~ of this code is to provide flexibility to permit the use of alternative approaches to achieve compliance with minimum requirements to ~~safeguard the public~~ provide a reasonable level of safety, health, ~~safety~~ and general welfare insofar as they are affected by the *repair, alteration, change of occupancy, addition and relocation of existing buildings.*

2018 International Plumbing Code

101.3 ~~Intent. Purpose.~~ The purpose of this code is to establish minimum ~~standards requirements~~ to provide a reasonable level of safety, health, property protection and ~~public general~~ welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of plumbing equipment and systems.

2018 International Mechanical Code

[A] 101.3 ~~Intent. Purpose.~~ The purpose of this code is to establish minimum ~~standards requirements~~ to provide a reasonable level of safety, health, property protection and ~~public general~~ welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of mechanical equipment or systems.

2018 International Private Sewage Disposal Code

[A] 101.6 ~~Intent. Purpose.~~ The purpose of this code is to establish minimum ~~standards requirements~~ to provide a reasonable level of safety health, property protection and ~~public general~~ welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of *private sewage disposal systems.*

2018 International Fuel Gas Code

[A] 101.4 ~~Intent. Purpose.~~ The purpose of this code is to establish minimum ~~standards requirements~~ to provide a reasonable level of safety, health, property protection and ~~public general~~ welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of fuel gas equipment or systems.

2018 International Swimming Pool and Spa Code

[A] 101.3 ~~Intent. Purpose.~~ The purpose of this code is to establish minimum ~~standards requirements~~ to provide a reasonable level of safety ~~and protection of health~~, health, property protection and ~~public general~~ welfare by regulating and controlling the design, construction, installation, quality of materials, location and maintenance or use of pools and spas.

2018 International Property Maintenance Code

[A] 101.3 ~~Intent. Purpose.~~ This code shall be construed to secure its expressed intent, which is to ensure public ~~The purpose of this code is to establish minimum requirements to provide a reasonable level of~~ health, safety and general welfare insofar as they are affected by the continued *occupancy* and maintenance of structures and *premises*. Existing structures and *premises* that do not comply with these provisions shall be altered or repaired to provide a reasonable minimum level of health, safety and ~~safety general welfare~~ as required herein.

2018 International Zoning Code

[A] 101.2 ~~Intent. Purpose.~~ The purpose of this code is to ~~safeguard the health, property and public~~ establish minimum requirements to provide a reasonable level of health, safety, property protection and welfare by controlling the design, location, use or occupancy of all buildings and structures through the regulated and orderly development of land and land uses within this jurisdiction.

2018 International Wildland-Urban Interface Code

[A] 101.3 ~~Objective. Purpose.~~ The ~~objective purpose~~ of this code is to establish minimum regulations consistent with nationally recognized good practice for the safeguarding of life and for property protection. Regulations in this code are intended to mitigate the risk to life and structures from intrusion of fire from wildland fire exposures and fire exposures from adjacent structures and to mitigate structure fires from spreading to wildland fuels. The extent of this regulation is intended to be tiered commensurate with the relative level of hazard present.

The unrestricted use of property in *wildland-urban interface areas* is a potential threat to life and property from fire and resulting erosion. Safeguards to prevent the occurrence of fires and to provide adequate fire protection facilities to control the spread of fire in *wildland-urban interface areas* shall be in accordance with this code.

This code shall supplement the jurisdiction's building and fire codes, if such codes have been adopted, to provide for special regulations to mitigate the fire- and life-safety hazards of the *wildland-urban interface areas*.

2018 International Code Council Performance Code

[A] 101.4 ~~Intent. Purpose.~~

[A] 101.4.1 Building. ~~To~~ The purpose of this code is to provide an acceptable level of health, safety, and general welfare and to limit damage to property from events that are expected to impact buildings and structures. Accordingly, Part II of this code intends buildings and structures to provide for the following:

1. An environment free of unreasonable risk of death and injury from fires.
2. A structure that will withstand loads associated with normal use and of the severity associated with the location in which the structure is constructed.
3. Means of egress and access for normal and emergency circumstances.
4. Limited spread of fire both within the building and to adjacent properties.
5. Ventilation and sanitation facilities to maintain the health of the occupants.
6. Natural light, heating, cooking and other amenities necessary for the well being of the occupants.
- 7 Efficient use of energy.
8. Safety to fire fighters and emergency responders during emergency operations.

Proposal # 4057

ADM9-19 Part I

ADM9-19 Part II

IECC: C101.3

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org); Michael O'Brian, FCAC, representing FCAC (fcac@iccsafe.org)

2018 International Energy Conservation Code

Revise as follows:

C101.3 Intent. Purpose. ~~This code shall regulate the design and construction~~ The purpose of this code is to establish minimum requirements to provide a reasonable level of health, safety and general welfare by regulating the design, construction and operation of buildings for the effective use and conservation of energy over the useful life of each building. This code is intended to provide flexibility to permit the use of innovative approaches and techniques to achieve this objective. ~~This code is not intended to abridge safety, health or environmental requirements contained in other applicable codes or ordinances.~~

Proposal # 5725

ADM9-19 Part II

ADM9-19 Part III

IECC: R101.3

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org); Michael O'Brian, FCAC, representing FCAC (fcac@iccsafe.org)

2018 International Energy Conservation Code

Revise as follows:

R101.3 Intent. Purpose. ~~This code shall regulate the design and construction~~ The purpose of this code is to establish minimum requirements to provide a reasonable level of health, safety and general welfare by regulating the design, construction and operation of buildings for the effective use and conservation of energy over the useful life of each building. This code is intended to provide flexibility to permit the use of innovative approaches and techniques to achieve this objective. ~~This code is not intended to abridge safety, health or environmental requirements contained in other applicable codes or ordinances.~~

Proposal # 5726

ADM9-19 Part III

ADM9-19 Part IV

IRC®: R101.3

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org); Michael O'Brian, FCAC, representing FCAC (fcac@iccsafe.org)

2018 International Residential Code

Revise as follows:

R101.3 Intent. Purpose. The purpose of this code is to establish minimum requirements to ~~safeguard the public~~ provide a reasonable level of safety, health and general welfare through affordability, structural strength, means of egress ~~facilities~~, stability, sanitation, light and ventilation, energy conservation and safety to life and property from fire, explosion and other hazards ~~attributed to the built environment~~, and to provide a reasonable level of safety to fire fighters and emergency responders during emergency operations.

Reason: The purpose of this proposal is for consistency in language for the sections on "Intent" or "Purpose" in the family of codes. The title of the section should be revised to be consistent with the text, which is "purpose." The phrase "health, safety and general welfare" is used in several different configurations. A change from "public" to "general" would show that this is intended for everyone – by using "public" it could be read to not include employees.

IECC - The last line in the current Intent section is unique to the IECC, and redundant. It is proposed to deleting it for consistency.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals."

This proposal is submitted by the ICC Building Code Action Committee (BCAC), the ICC Fire Code Action Committee (FCAC), the ICC Sustainable, Energy and High Performance Code Action Committee (SEHPCAC) and the ICC Plumbing/Mechanical/Gas Code Action Committee (PMG CAC).

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/codedevelopment-process/building-code-actioncommittee-bcac>.

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 2018 the Fire-CAC has held 3 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: <https://www.iccsafe.org/codes-tech-support/cs/fire-code-action-committee-fcac/>

he SEHPCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance International Codes with regard to sustainability, energy and high performance as it relates to the built environment included, but not limited to, how these criteria relate to the International Green Construction Code (IgCC) and the International Energy Conservation Code (IECC). In 2018-2019, the SEHPCAC has held five two- or three-day open meetings and numerous workgroup calls, to discuss and debate proposed changes and public comments. Attendees at the meetings and calls included members of the SEHPCAC as well as any interested parties. Related documentation and reports are posted on the SEHPCAC website at <http://www.iccsafe.org/cs/SEHPCAC/Pages/default.aspx>.

The PMG CAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance the International Codes or portions thereof that were under the purview of the PMG CAC. In 2017-2018, the PMG CAC held one face-to-face meeting and 11 conference call meetings. Numerous interested parties attended the committee meetings and offered their input. Related documentation and reports are posted on the PMGCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/pmg-code-action-committee-pmgcac>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change that provides consistency between I-codes.

Proposal # 5795

ADM9-19 Part IV

ADM10-19 Part I

PART I — IBC®: [A] 101.3; IEBC®: [A] 101.3; ISPC®: [A] 101.3; IPMC®: [A] 101.3; IZC®: [A] 101.2

PART II — IRC®: R101.3

PART III — IECC: C101.3

PART IV — IECC: R101.3

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

THIS IS A 4 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. PART III WILL BE HEARD BY THE IECC-COMMERCIAL CODE COMMITTEE. PART IV WILL BE HEARD BY THE IECC-RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Building Code

Revise as follows:

[A] 101.3 Intent. The purpose of this code is to establish the minimum requirements to provide a reasonable level of safety, public health and general welfare through structural strength, *means of egress* facilities, stability, sanitation, adequate light and ventilation, energy conservation, and ~~safety to life for providing a reasonable level of life safety and property protection from the hazards of fire, explosion and other hazards or dangerous conditions~~, and to provide a reasonable level of safety to fire fighters and emergency responders during emergency operations.

2018 International Existing Building Code

[A] 101.3 Intent. The intent of this code is to provide flexibility to permit the use of alternative approaches to achieve compliance with minimum requirements to safeguard the public health, safety ~~and property protection and~~ welfare insofar as they are affected by the *repair, alteration, change of occupancy, addition* and relocation of *existing buildings*.

2018 International Swimming Pool and Spa Code

[A] 101.3 Intent. The purpose of this code is to establish minimum standards to provide a reasonable level of safety ~~and protection of health~~, property protection and public welfare by regulating and controlling the design, construction, installation, quality of materials, location and maintenance or use of pools and spas.

2018 International Property Maintenance Code

[A] 101.3 Intent. This code shall be construed to secure its expressed intent, which is to ensure public health, safety, property protection and welfare insofar as they are affected by the continued *occupancy* and maintenance of structures and *premises*. Existing structures and *premises* that do not comply with these provisions shall be altered or repaired to provide a minimum level of health and safety as required herein.

2018 International Zoning Code

[A] 101.2 Intent. The purpose of this code is to safeguard the health, property protection and public welfare by controlling the design, location, use or occupancy of all buildings and structures through the regulated and orderly development of land and land uses within this jurisdiction.

Proposal # 4074

ADM10-19 Part I

ADM10-19 Part II

IRC®: R101.3

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Residential Code

Revise as follows:

R101.3 Intent. The purpose of this code is to establish minimum requirements to safeguard the public safety, health and general welfare through affordability, structural strength, means of egress facilities, stability, sanitation, light and ventilation, energy conservation and ~~safety to life for~~ providing a reasonable level of life safety and property protection from fire and other hazards attributed to the hazards of fire, explosion or dangerous conditions attributed to the built environment, and to provide safety to fire fighters and emergency responders during emergency operations.

Proposal # 5741

ADM10-19 Part II

ADM10-19 Part III

IECC: C101.3

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Energy Conservation Code

Revise as follows:

C101.3 Intent. ~~This code shall regulate the design and construction~~ The purpose of this code is to establish minimum requirements to provide a reasonable level of health, safety, property protection and general welfare by regulating the design, construction and operation of buildings for the effective use and conservation of energy over the useful life of each building. This code is intended to provide flexibility to permit the use of innovative approaches and techniques to achieve this objective. This code is not intended to abridge safety, health or environmental requirements contained in other applicable codes or ordinances.

Proposal # 5742

ADM10-19 Part III

ADM10-19 Part IV

IECC: R101.3

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Energy Conservation Code

Revise as follows:

R101.3 Intent. ~~This code shall regulate the design and construction~~ The purpose of this code is to establish minimum requirements to provide a reasonable level of health, safety, property protection and general welfare by regulating the design, construction and operation of buildings for the effective use and conservation of energy over the useful life of each building. This code is intended to provide flexibility to permit the use of innovative approaches and techniques to achieve this objective. This code is not intended to abridge safety, health or environmental requirements contained in other applicable codes or ordinances.

Reason: The purpose of this proposal is for consistency in language for the sections on "Intent" or "Purpose" in the family of codes. The title of the section should be revised to be consistent with the text, which is "purpose."

The IFC was used as the guidance for the phrase to use. Several of the codes included the term "property protection", but not all. It is the intent of all the codes to provide "a reasonable level of life safety and property protection". Thus, this phrase is proposed to be used consistently across codes.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals."

This proposal is submitted by the ICC Building Code Action Committee (BCAC), the ICC Fire Code Action Committee (FCAC), the ICC Sustainable, Energy and High Performance Code Action Committee (SEHPCAC) and the ICC Plumbing/Mechanical/Gas Code Action Committee (PMG CAC).

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/codedevelopment-process/building-code-actioncommittee-bcac>.

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 2018 the Fire-CAC has held 3 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: <https://www.iccsafe.org/codes-tech-support/cs/fire-code-action-committee-fcac/>

The SEHPCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance International Codes with regard to sustainability, energy and high performance as it relates to the built environment included, but not limited to, how these criteria relate to the International Green Construction Code (IgCC) and the International Energy Conservation Code (IECC). In 2018-2019, the SEHPCAC has held five two- or three-day open meetings and numerous workgroup calls, to discuss and debate proposed changes and public comments. Attendees at the meetings and calls included members of the SEHPCAC as well as any interested parties. Related documentation and reports are posted on the SEHPCAC website at <http://www.iccsafe.org/cs/SEHPCAC/Pages/default.aspx>.

The PMGCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance the International Codes or portions thereof that were under the purview of the PMG CAC. In 2017-2018, the PMG CAC held one face-to-face meeting and 11 conference call meetings. Numerous interested parties attended the committee meetings and offered their input. Related documentation and reports are posted on the PMGCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/pmg-code-action-committee-pmgcac>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change that provides consistency between I-codes.

Proposal # 5743

ADM10-19 Part IV

ADM11-19

IBC®: [A] 101.4.8

Proponent: Daniel E Nichols, MTA Metro-North Railroad, representing MTA Metro-North Railroad (dnichols@mnrr.org)

2018 International Building Code

Revise as follows:

[A] 101.4.8 Performance-Based Design. Performance-based designs are determined to be acceptable to this Code when completed in accordance with the ICC Performance Code.

Reason: The ICC Performance Code is an established document that does not have a connection to the IBC. Without such a connection, the designer and the code official is faced with looking into one or two different options to achieve approval; an alternative method or material process from Section 104.11 or by undergoing a local Board of Appeals/Variance process. Using either path, both the designer and code official are left with much interpretation on what is actually needed for both compliance and approval on more complex projects.

The ICC Performance Code is a document that is encompassing to address the issues in the IBC from an approach of intent and goals. Using the ICC Performance Code as a reference from the IBC allows for the IBC to be the basis of all items that don't require a performance design.

The rail industry relies on the use of performance-based design due to the unique layout of passenger loading platforms in rail stations. The current process is seeking local approval (or acceptance) of NFPA 101 or NFPA 130 due to the specific performance-based criteria. This creates many issues as the path to compliance is usually an administrative issue of what code applies when the different codes conflict, as well as the determination of the acceptance and approval process of larger projects.

The ICC Performance Code provides a useful tool for many building projects and ensures the code official has the needed information to approve alternative designs.

Cost Impact: The code change proposal will not increase or decrease the cost of construction. This provides a design option for alternative approaches to code requirements.

Proposal # 2370

ADM11-19

ADM12-19

IMC@: [A] 102.3 (New), ACCA Chapter 15 (New)

Proponent: David Bixby, Air Conditioning Contractors of America (ACCA), representing Air Conditioning Contractors of America (bixster1953@yahoo.com)

2018 International Mechanical Code

Revise as follows:

[A] 102.3 Maintenance. Mechanical systems, both existing and new, and parts thereof shall be maintained in proper operating condition in accordance with the original design and in a safe and sanitary condition. Devices or safeguards that are required by this code shall be maintained in compliance with the edition of the code under which they were installed. The owner or the owner's authorized agent shall be responsible for maintenance of mechanical systems. To determine compliance with this provision, the code official shall have the authority to require a mechanical system to be reinspected.

The inspection for maintenance of HVAC systems not within the scope of ACCA 4 QM shall be performed in accordance with ASHRAE/ACCA/ANSI Standard 180.

The inspection for maintenance of HVAC systems in one and two family dwellings and multi family dwellings of three stories or fewer above grade shall be performed in accordance with ACCA 4 QM.

Add new standard(s) as follows:

ACCA

Air Conditioning Contractors of America
2800 Shirlington Road, Suite 300
Arlington VA 22206

ANSI/ACCA 4 QM – 2013: Maintenance of Residential HVAC Systems

Reason: The proposal is to (1) clarify that the current requirement showing Standard 180 specifically covers inspection for maintenance of commercial HVAC systems, and (2) add a reference to ACCA 4 QM which covers inspection for maintenance of residential HVAC systems for one- and two-family dwellings of three stories or less. ACCA 4 QM is a consensus-based ANSI standard. A proposal to add ACCA 4 QM to Chapter 15, Referenced Standards, has also been submitted.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
No cost impacts since this is a clarification of maintenance requirements.

Proposal # 1877

ADM12-19

ADM13-19

IBC®: [A] 102.6.2; IEBC®: [A] 101.4.2

Proponent: Jeffrey Shapiro, P.E., representing Self (jeff.shapiro@intlcodeconsultants.com)

2018 International Building Code

Revise as follows:

[A] 102.6.2 Buildings previously occupied. The legal occupancy of any building existing on the date of adoption of this code shall be permitted to continue without change, except as otherwise specifically provided in this code ~~;~~ and all of the following:

1. Existing buildings shall comply with applicable provisions in the International Fire Code, including the construction requirements for existing buildings in IFC Chapter 11.
2. Existing buildings shall comply with the ~~or~~ International Property Maintenance Code.
3. Existing buildings shall make changes ~~;~~ ~~or as is~~ deemed necessary by the *building official* for the general safety and welfare of the occupants and the public.

2018 International Existing Building Code

[A] 101.4.2 Buildings previously occupied. The legal occupancy of any building existing on the date of adoption of this code shall be permitted to continue without change, except as ~~is~~ otherwise specifically ~~covered~~ provided in this code ~~;~~ and all of the following:

1. Existing buildings shall comply with applicable provisions in the International Fire Code, including the construction requirements for existing buildings in IFC Chapter 11.
2. Existing buildings shall comply with ~~or~~ the International Property Maintenance Code.
3. Existing buildings shall make changes ~~;~~ ~~or as is~~ deemed necessary by the ~~code~~ building official for the general safety and welfare of the occupants and the public.

Reason: The proposed revisions are intended to emphasize and clarify requirements that are applicable to all existing buildings by using a list structure and emphasizing that the requirements are all applicable, versus use of the current "or" that separates the list. Reference to IFC Chapter 11 is also specifically highlighted because it includes construction requirements that are applicable to some existing buildings, which might otherwise be overlooked.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
The change is intended as a clarification of existing provisions.

Proposal # 5662

ADM13-19

ADM14-19

IPMC@: [A] 102.3 (New)

Proponent: Benchmark Harris, representing Self (bharris@huckabee-inc.com)

2018 International Property Maintenance Code

Add new text as follows:

[A] 102.3 Application of other codes. Where structural engineering analysis is used to determine if an unsafe structural condition exists, the nominal strengths, nominal loads, load effects, required strengths and limit states shall be in accordance with the regulation or code under which the structure was constructed.

Exceptions:

1. If the regulation or code under which the structure was constructed is not known, it shall be permitted to apply any regulation or code that the code official determines to be representative of the requirements under which the structure was constructed.
2. If applying currently adopted code provisions indicates that there is not an unsafe structural condition, it shall be permitted to apply currently adopted code provisions.

Repairs, additions or alterations to a structure, or changes of occupancy, shall be done in accordance with the procedures and provisions of the International Building Code, International Existing Building Code, International Energy Conservation Code, International Fire Code, International Fuel Gas Code, International Mechanical Code, International Residential Code, International Plumbing Code and NFPA 70. Nothing in this code shall be construed to cancel, modify or set aside any provision of the International Zoning Code.

Reason: 2018 IPMC Sections 304.1.1, 305.1.1 and 306.1.1 indicate that unsafe conditions occur if structural engineering analysis determines that certain conditions exist, using the terms “nominal strengths”, “nominal loads”, “load effects”, “required strengths” in those provisions. These terms are not defined in Chapter 2 “Definitions” of the 2018 IPMC.

2018 IPMC Section 201.3 states, “Where terms are not defined in this code and are defined in the International Building Code, International Existing Building Code, International Fire Code, International Fuel Gas Code, International Mechanical Code, International Plumbing Code, International Residential Code, International Zoning Code or NFPA 70, such terms shall have the meanings ascribed to them as stated in those codes.”

These terms are not defined in Chapter 2 “Definitions” of the 2018 IEBC, 2018 IFC, 2018 IFGC, 2018 IPC, 2018 IRC, or the 2018 IZC. However, 2018 IBC Chapter 2 has the following relevant definitions:

LIMIT STATE. A condition beyond which a structure or member becomes unfit for service and is judged to no longer useful for its intended function (serviceability limit state) or to be unsafe (strength limit state).

LOADS: Forces or other actions that result from the weight of building materials, occupants and their possessions, environmental effects, differential movement and restrained dimensional changes. Permanent loads are those loads in which variations over time are rare or of small magnitude, such as dead loads. All other loads are variable loads (see “Nominal Loads”).

LOAD EFFECTS: Forces and deformations produced in structural members by applied loads.

NOMINAL LOADS: The magnitudes of the loads specified in Chapter 16 (dead, live, soil, wind, snow, rain, flood and earthquake).

STRENGTH (for Chapter 21).

Required strength. Strength of a member or cross section required to resist factored loads.

STRENGTH (for Chapter 16).

Required strength. Strength of a member, cross section or connection required to resist factored loads or related internal moments and forces in such combinations as stipulated by those provisions.

The following term is defined in Chapter 2 of the 2018 IMC but it is not considered relevant to this structural application:

STRENGTH, ULTIMATE. The highest stress level that the component will tolerate without rupture.

The definitions in the 2018 IBC make the structural provisions in the 2018 IBC the applicable standard when determining if a structure is unsafe. This is not how the IPMC is actually applied in jurisdictions throughout the country, though, because many building officials agree that existing buildings

should not be considered dangerous when the requirements for new buildings simply increase with time, which does occur. This would create a large economic burden on Owners that are otherwise maintaining their facilities according to the original design.

For example, TMS 402 recently approved completely removing the Empirical Design Appendix which had provisions for unreinforced masonry design. The next edition of TMS 402 will therefore no longer allow Empirical Design. The Empirical Design method was a simplified method that primarily limited span to thickness ratios without as formal a structural analysis as is required for the Allowable Stress Design or Strength Design methods. The Empirical Design provisions were permitted and have been used in the design of a great many buildings across the entire country for generations, even though it became recognized over time that the methodology did not necessarily provide as high a level of structural reliability that is required for masonry designed using the Allowable Stress Design or Strength Design methods. If not modified, the IPMC provisions would make "unsafe" any Empirically designed structure where this is the case.

Many Building Officials and even ICC Staff have indicated that they believe the intent of the IPMC was to apply the structural requirements which originally applied to the design when the structure was constructed. This is rational and how many Building Officials actually interpret the current language. The justification for this interpretation seems to be 2018 IPMC Section 102.2 Maintenance; however, that provision does not explicitly waive the structural engineering requirements in Sections 304.1.1, 305.1.1 and 306.1.1 which Chapter 2 indicates are associated with the 2018 IBC Definitions, making the definitions of these terms the definitions in the 2018 IBC.

This proposed change would correct this unintended problem by clearly stating that the applicable code is the original code.

It is quite often unknown what the original code or structural provisions were when a building was constructed. It is also quite often unknown when the building was constructed. This proposed change therefore allows a Building Official to use their judgment in making the determination of which

structural code provisions are sufficiently representative of what they understand to be the applicable provisions when the structure was constructed.

The proposed exception allows use of the current IBC when the code provisions allow construction that was not previously permitted. This is appropriate and rational considering that building codes sometimes recognize greater strengths of materials and/or required loads are reduced. For example, the allowable flexural strengths of unreinforced masonry in some of the original versions of TMS 402 are much lower than the allowable flexural strengths of unreinforced masonry in the more recent versions. This increase in recognized strength was based on test data that accumulated with time and an extensive structural reliability index study. It should be permitted for an Owner to use the current building code to justify existing conditions as not being "unsafe" if that's possible.

This proposed language is most appropriate in Section 102.3 rather than another Section in the IPMC because:

1. There are 3 separate sections in which numerous conditions deemed "unsafe" are listed, with many of these conditions using the structural engineering terms in question: 304.11, 305.11 and 306.11. It would be cumbersome to add all of the proposed language to each one of these 3 sections. Furthermore, this issue is related to provisions in Chapter 2 "Definitions" and involves the applicability of other codes.
2. It would not be appropriate to simply add the proposed language to 301 because Section 301 covers general requirements for property maintenance whereas the issue is related to provisions in Chapter 2 "Definitions" and involves the applicability of other codes.
3. Section 102.7 Reference Standards is not a suitable location either, because that provision is related to specific standards that are referenced whereas actual names of the original building codes are not explicitly named (or "referenced") in the IPMC, considering that they vary from project to project.
4. Section 102.3 is titled "Application of other codes" and is the most suitable location for the clarification of which regulation or code should be applied in the structural engineering analysis to determine if an unsafe condition exists.

If this proposed change is approved, it is suggested that ICC Staff add Commentary language to Sections 304.1.1, 305.1.1 and 306.1.1 that calls attention to the new language in Section 102.3.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This proposal is related to existing buildings, not new construction.

Proposal # 2265

ADM14-19

ADM15-19

IFC®: [A] 102.7 (New)

Proponent: Jeffrey Harper, representing JENSEN HUGHES (jharper@jensenhughes.com)

2018 International Fire Code

Add new text as follows:

[A] 102.7 Application of the International Existing Building Code. Where existing buildings and structures cannot meet the prescriptive provisions of this code with regards to the current degree of public safety, health and welfare in existing buildings, and where approved by the fire code official, the performance compliance method provided in the International Existing Building Code (IEBC) shall be used.

Reason: Chapter 11 of the IFC provides no alternate to compliance for existing buildings in the same manner that NFPA 101A provides for existing buildings regulated by NFPA 101.

The IEBC only applies to buildings undergoing repair, alteration, change of occupancy, addition and relocation of existing buildings. However, Chapter 13 of IEBC allows the performance compliance method to be used for existing occupancies. Per 1301.2: "The provisions of Sections 1301.2 through 1301.5 shall apply to existing occupancies that will continue to be, or are proposed to be in Groups A, B, E, F, I-2, M, R and S." Therefore, no change is needed to allow the use of this Chapter to existing buildings.

By adding an applicability section to the administrative provisions of the fire code, the user is given a code path to use the evaluation methods prescribed in Chapter 13 of the IEBC for existing buildings wherein no work may be planned.

For example: An existing office building's highest story is 55 feet above the lowest level of fire department access and has been cited for not having any standpipes. Per IFC Section 1103.6, standpipes are required. The building is fully sprinkler protected per NFPA 13 and provided with a fire alarm system throughout. All shafts are 2-hour rated and corridors are 1-hour rated. Egress capacity, travel distances and common paths all exceed that required by the IBC for new construction and elevators have been recently replaced with fully compliant Stage 2 recall capability. The fire code would require standpipes regardless of these other systems. The Performance Compliance Method permits an accepted method of evaluating all components of a building and providing a score to account for deficiencies.

Cost Impact: The code change proposal will not increase or decrease the cost of construction

This code provision will not increase cost and has a high likelihood of reducing cost by providing flexibility that does not currently exist in the code.

Proposal # 5492

ADM15-19

ADM16-19 Part I

PART I — IBC®: SECTION 103, [A] 103.1, [A] 103.2, [A] 103.3; IFC®: SECTION 103, [A] 103.1, [A] 103.2, [A] 103.3, [A] 103.4, [A] 103.4.1; IPC®: SECTION 103, 103.1, 103.2, 103.3, 103.4, 103.4.1; IMC®: SECTION 103, [A] 103.1, [A] 103.2, [A] 103.3, [A] 103.4, [A] 103.4.1; IFGC®: SECTION 103 (IFGC), [A] 103.1, [A] 103.2, [A] 103.3, [A] 103.4, [A] 103.4.1; IEBC®: SECTION 103, [A] 103.1, [A] 103.2, [A] 103.3; ISPSC®: SECTION 103, [A] 103.1, [A] 103.2, [A] 103.3, [A] 103.4, [A] 103.4.1; IPMC®: SECTION 103, [A] 103.1, [A] 103.2, [A] 103.3, [A] 103.4, [A] 103.4.1; IPSDC®: SECTION 103, [A] 103.1, [A] 103.2, [A] 103.3, [A] 103.4, [A] 103.4.1; IWUIC®: SECTION 103, [A] 103.1, [A] 103.2, [A] 103.3

PART II — IRC®: SECTION R103, R103.1, R103.2, R103.3

PART III — IGCC®: 103 (New), 103.1 (New), 103.2 (New), 103.3 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

THIS IS A 3 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. PART III WILL BE HEARD BY THE IGCC CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Building Code

Revise as follows:

SECTION 103 ~~DEPARTMENT OF BUILDING SAFETY CODE COMPLIANCE AGENCY~~

Add new text as follows:

[A] 103.1 Creation of agency. The [INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the building official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

Revise as follows:

[A] 103.2 Appointment. The *building official* shall be appointed by the chief appointing authority of the jurisdiction.

[A] 103.3 Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the building official shall have the authority to appoint a deputy building official, the other related technical officers, inspectors, plan examiners and other employees. Such employees shall have powers as delegated by the building official. ~~For the maintenance of existing properties, see the International Property Maintenance Code.~~

2018 International Fire Code

SECTION 103 ~~DEPARTMENT OF FIRE PREVENTION CODE COMPLIANCE AGENCY~~

[A] 103.1 General. ~~Creation of agency.~~ The department of fire prevention is established within the jurisdiction under the direction of the *fire code official*. ~~[INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the fire code official.~~ The function of the ~~department agency~~ shall be the implementation, administration and enforcement of the provisions of this code.

[A] 103.2 Appointment. The *fire code official* shall be appointed by the chief appointing authority of the jurisdiction, ~~and the fire code official shall not be removed from office except for cause and after full opportunity to be heard on specific and relevant charges by and before the appointing authority.~~

[A] 103.3 Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the fire code official shall have the authority to appoint a deputy fire code official, other related technical officers, inspectors and other employees. Such employees shall have powers as delegated by the fire code official.

[A] ~~103.4~~ 104.7 Liability. The *fire code official*, member of the board of appeals, officer or employee charged with the enforcement of this code, while acting for the jurisdiction, in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

[A] ~~103.4.1~~ 104.7.1 Legal defense. Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representatives of the jurisdiction until the final termination of the proceedings. The *fire code official* or any subordinate shall not be liable for costs in an action, suit or proceeding that is instituted in pursuance of the provisions of this code; and any officer of the department of fire prevention, acting in good faith and

without malice, shall be free from liability for acts performed under any of its provisions or by reason of any act or omission in the performance of official duties in connection therewith.

2018 International Plumbing Code

SECTION 103

DEPARTMENT OF PLUMBING INSPECTION CODE COMPLIANCE AGENCY

Add new text as follows:

103.1 Creation of agency. The [INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

Revise as follows:

103.2 Appointment. The code official shall be appointed by the chief appointing authority of the jurisdiction.

103.3 Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the code official shall have the authority to appoint a deputy code official, other related technical officers, inspectors and other employees. Such employees shall have powers as delegated by the code official.

~~103.4~~ 104.8 Liability. The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties.

~~103.4.1~~ 104.8.1 Legal defense. Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for costs in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

2018 International Mechanical Code

SECTION 103

DEPARTMENT OF MECHANICAL INSPECTION CODE COMPLIANCE AGENCY

Add new text as follows:

[A] 103.1 Creation of agency. The [INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

Revise as follows:

[A] 103.2 Appointment. The code official shall be appointed by the chief appointing authority of the jurisdiction.

[A] 103.3 Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the code official shall have the authority to appoint a deputy code official, other related technical officers, inspectors and other employees. Such employees shall have powers as delegated by the code official.

[A] ~~103.4~~ 104.8 Liability. The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

[A] ~~103.4.1~~ 104.8.1 Legal defense. Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representatives of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for costs in an action, suit or proceeding that is instituted in pursuance of the provisions of this code.

2018 International Fuel Gas Code

SECTION 103 (IFGC)

DEPARTMENT OF INSPECTION CODE COMPLIANCE AGENCY

Add new text as follows:

[A] 103.1 Creation of agency. The [INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

Revise as follows:

[A] 103.2 Appointment. The code official shall be appointed by the chief appointing authority of the jurisdiction.

[A] 103.3 Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the code official shall have the authority to appoint a deputy code official, other related technical officers, inspectors and other employees. Such employees shall have powers as delegated by the code official.

[A] ~~103.4~~ 104.8 Liability. The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

[A] ~~103.4.1~~ 104.8.1 Legal defense. Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representatives of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for costs in an action, suit or proceeding that is instituted in pursuance of the provisions of this code.

2018 International Existing Building Code

SECTION 103 ~~DEPARTMENT OF BUILDING SAFETY~~ CODE COMPLIANCE AGENCY

Add new text as follows:

[A] 103.1 Creation of agency. The [INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

Revise as follows:

[A] 103.2 Appointment. The *code official* shall be appointed by the chief appointing authority of the jurisdiction.

[A] 103.3 Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the code official shall have the authority to appoint a deputy code official, ~~the other~~ related technical officers, inspectors, ~~plan examiners~~, and other employees. Such employees shall have powers as delegated by the code official.

2018 International Swimming Pool and Spa Code

SECTION 103 ~~DEPARTMENT OF BUILDING SAFETY~~ CODE COMPLIANCE AGENCY

Add new text as follows:

[A] 103.1 Creation of agency. The [INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

Revise as follows:

[A] 103.2 Appointment. The code official shall be appointed by the chief appointing authority of the jurisdiction.

[A] 103.3 Deputies. In accordance with the prescribed procedures of ~~the this~~ jurisdiction and with the concurrence of the appointing authority, the code official shall have the authority to appoint a deputy code official, ~~the other~~ related technical officers, inspectors, ~~plans examiners~~ and other employees. Such employees shall have powers as delegated by the code official.

[A] ~~103.4~~ 104.8 Liability. The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally and is hereby relieved from personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties.

[A] ~~103.4.1~~ 104.8.1 Legal defenses. Any suit or criminal complaint instituted against an officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by legal representatives of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for cost in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

2018 International Property Maintenance Code

SECTION 103

~~DEPARTMENT OF PROPERTY MAINTENANCE INSPECTION~~ CODE COMPLIANCE AGENCY

Add new text as follows:

[A] 103.1 Creation of agency. The [INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

Revise as follows:

[A] 103.2 Appointment. The *code official* shall be appointed by the chief appointing authority of the jurisdiction.

[A] 103.3 Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the code official shall have the authority to appoint a deputy ~~(s);~~ code official, other related technical officers, inspectors and other employees. Such employees shall have powers as delegated by the code official.

[A] ~~103.4~~ 104.7 Liability. The *code official*, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction, in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of an act or by reason of an act or omission in the discharge of official duties.

[A] ~~103.4.1~~ 104.7.1 Legal defense. Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representative of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for costs in an action, suit or proceeding that is instituted in pursuance of the provisions of this code.

2018 International Private Sewage Disposal Code

SECTION 103

~~DEPARTMENT OF PRIVATE SEWAGE DISPOSAL INSPECTION~~ CODE COMPLIANCE AGENCY

Add new text as follows:

[A] 103.1 Creation of agency. The [INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

Revise as follows:

[A] 103.2 Appointment. The code official shall be appointed by the chief appointing authority of the jurisdiction.

[A] 103.3 Deputies. In accordance with the prescribed procedures of ~~the~~ this jurisdiction and with the concurrence of the appointing authority, the code official shall have the authority to appoint a deputy code official, other related technical officers, inspectors and other employees. Such employees shall have powers as delegated by the code official.

[A] ~~103.4~~ 104.7 Liability. The code official, member of the board of appeals or employee charged with the enforcement of this code, while acting for the jurisdiction in good faith and without malice in the discharge of the duties required by this code or other pertinent law or ordinance, shall not thereby be rendered civilly or criminally liable personally, and is hereby relieved from all personal liability for any damage accruing to persons or property as a result of any act or by reason of an act or omission in the discharge of official duties.

[A] ~~103.4.1~~ 104.7.1 Legal defense. Any suit or criminal complaint instituted against any officer or employee because of an act performed by that officer or employee in the lawful discharge of duties and under the provisions of this code shall be defended by the legal representatives of the jurisdiction until the final termination of the proceedings. The code official or any subordinate shall not be liable for costs in any action, suit or proceeding that is instituted in pursuance of the provisions of this code.

2018 International Wildland-Urban Interface Code

SECTION 103

~~ENFORCEMENT~~ CODE COMPLIANCE AGENCY

Add new text as follows:

[A] 103.1 Creation of agency. The [INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

Revise as follows:

[A] 103.2 Appointment. The code official shall be appointed by the chief appointing authority of the jurisdiction.

[A] 103.3 Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the code official shall have the authority to appoint a deputy ~~(s) code official, other related technical officers, inspectors and other employees.~~ Such employees shall have powers as delegated by the code official.

Proposal # 4064

ADM16-19 Part I

ADM16-19 Part II

IRC@: SECTION R103, R103.1, R103.2, R103.3

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Residential Code

Revise as follows:

SECTION R103 ~~DEPARTMENT OF BUILDING SAFETY~~ CODE COMPLIANCE AGENCY

Add new text as follows:

R103.1 Creation of agency. The [INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the building official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

Revise as follows:

R103.2 Appointment. The building official shall be appointed by the chief appointing authority of the jurisdiction.

R103.3 Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the building official shall have the authority to appoint a deputy building official, ~~the other~~ related technical officers, inspectors, ~~plan examiners~~ and other employees. Such employees shall have powers as delegated by the building official.

Proposal # 5731

ADM16-19 Part II

ADM16-19 Part III

IGCC@: 103 (New), 103.1 (New), 103.2 (New), 103.3 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Green Construction Code

Add new text as follows:

103 CODE COMPLIANCE AGENCY

103.1 Creation of agency The [INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the authority having jurisdiction (AHJ). The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

103.2 Appointment The authority having jurisdiction (AHJ) shall be appointed by the chief appointing authority of the jurisdiction.

103.3 Deputies In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the authority having jurisdiction (AHJ) shall have the authority to appoint a deputy authority having jurisdiction (AHJ), other related technical officers, inspectors and other employees as shall be necessary. Such employees shall have powers as delegated by the authority having jurisdiction (AHJ).

Reason: There are many different names for the title of this section, but all include provisions for the creation of the code compliance agency. The department's responsibilities are more than just 'enforcement' of the code. The fill in the blank for the name allows for the agency to develop a name appropriate to their jurisdiction and responsibilities.
In some of the codes there will be a move from this section to *General Authority and responsibilities* section so that requirements for liability and legal defense will be in a consistent location.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals."

The following is the template utilized to create this code change proposal. There may be some differences depending on the unique applications of each code – such as "building/fire/code official".

SECTION 103

CODE COMPLIANCE AGENCY

103.1 Creation of agency. The [INSERT NAME OF DEPARTMENT] is hereby created and the official in charge thereof shall be known as the code official. The function of the agency shall be the implementation, administration and enforcement of the provisions of this code.

103.2 Appointment. The code official shall be appointed by the chief appointing authority of the jurisdiction.

103.3 Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the code official shall have the authority to appoint a deputy code official, other related technical officers, inspectors and other employees. Such employees shall have powers as delegated by the code official.

This proposal is submitted by the ICC Building Code Action Committee (BCAC), the ICC Fire Code Action Committee (FCAC), the ICC Sustainable, Energy and High Performance Code Action Committee (SEHPCAC) and the ICC Plumbing/Mechanical/Gas Code Action Committee (PMG CAC).

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/codedevelopment-process/building-code-actioncommittee-bcac>.

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 2018 the Fire-CAC has held 3 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: <https://www.iccsafe.org/codes-tech-support/cs/fire-code-action-committee-fcac/>

The SEHPCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance International Codes with regard to sustainability, energy and high performance as it relates to the built environment included, but not limited to, how these criteria relate to the International Green Construction Code (IgCC) and the International Energy Conservation Code (IECC). In 2018-2019, the SEHPCAC has held five two- or three-day open meetings and numerous workgroup calls, to discuss and debate proposed changes and public comments. Attendees at the meetings and calls included members of the SEHPCAC as well as any interested parties. Related documentation and reports are posted on the SEHPCAC website at <http://www.iccsafe.org/cs/SEHPCAC/Pages/default.aspx>.

The PMG CAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance the International Codes or portions thereof that were under the purview of the PMG CAC. In 2017-2018, the PMG CAC held one face-to-face meeting and 11 conference call meetings. Numerous interested parties attended the committee meetings and offered their input. Related documentation and reports are posted on the PMGCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/pmg-code-action-committee-pmgcac>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change with no change to construction requirements.

Proposal # 5732

ADM16-19 Part III

ADM17-19

IFC®: [A] 103.3 (New), 103.3, 103.3.1, NFPA Chapter 80 (New)

Proponent: Richard Boisvert, Brighton Area Fire Authority, representing Michigan Fire Inspector's Society (rboisvert@brightonareafire.com)

2018 International Fire Code

Revise as follows:

[A] ~~103.3~~ **103.2.1 Deputies.** In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the *fire code official* shall have the authority to appoint a deputy *fire code official*, other related technical officers, inspectors and other employees.

Add new text as follows:

103.3 Fire code official qualifications. The fire code official shall possess appropriate qualifications, requisite skills, and knowledge. The fire code official shall continually work on professional development to maintain his/her skills, knowledge, and qualifications. The fire code official shall maintain a professional level of performance and education pertaining to the minimum job performance requirements (JPR's) established by NFPA 1037: Standard on Fire Marshal Professional Qualifications.

103.3.1 Deputy qualifications. The deputy fire code official, other related technical officers, inspectors, and other employees shall possess appropriate qualifications, requisite skills, and knowledge. The deputy fire code official(s) shall continually work towards professional development in an effort to maintain their skills, knowledge and, qualifications. The deputy fire code official(s) shall maintain a professional level of performance and education pertaining to the job performance requirements (JPR's) established by NFPA 1031: Standard for Professional Qualifications for Fire Inspector and Plans Examiner.

Add new standard(s) as follows:

NFPA

National Fire Protection Association
1 Batterymarch Park
Quincy MA 02169-7471

1031-2014: Standard for Professional Qualifications for Fire Inspector and Plan Examiner

NFPA

National Fire Protection Association
1 Batterymarch Park
Quincy MA 02169-7471

1037-2016: Standard on Fire Marshal Professional Qualifications

Reason: Currently, the International Fire Code does not address education and qualification requirements for an individual to appointed as a fire code official or deputies. The fire code official and associated deputies must be fire service individuals that meet an established professional level of qualification and education relevant to the position held. These positions are not only administrative or political but those that require an advanced technical, specialized knowledge along with an understanding of fire service operations and those duties applicable to fire code enforcement and interpretation. The individual(s) operating in these capacities should possess relevant and applicable qualifications and education that meet a recognized national standard that verifies their ability to demonstrate various job performance requirements and knowledge related to their position. This is essential to successful interpretation and application of the code for not only enforcement and application, but also to limit potential liability to the agency based on actions or responsibility. Without having a minimum requirement established, the position is open to the appointment of individuals who lack appropriate education, knowledge, and qualifications to hold the position. The need for minimum requirements for code officials; specifically plan reviewers and inspectors are currently being addressed in the development process of NFPA Standards, specifically NFPA 72: The National Fire Alarm Code.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This proposal provides for a lack of required education and qualification guidelines for a fire code official and associated deputies utilizing recognized standards.

Proposal # 1145

ADM17-19

ADM18-19

IEBC®: [A] 104.2.1, [A] 109.3.3; IBC®: [A] 104.2.1, [A] 110.3.3

Proponent: Gregory Wilson, representing Federal Emergency Management Agency (gregory.wilson2@fema.dhs.gov); Rebecca Quinn, RCQuinn Consulting, on behalf of Federal Emergency Management Agency, representing Federal Emergency Management Agency (rcquinn@earthlink.net)

2018 International Existing Building Code

Revise as follows:

[A] 104.2.1 Determination of substantially improved or substantially damaged existing buildings and structures in flood hazard areas. For applications for reconstruction, rehabilitation, repair, *alteration*, *addition* or other improvement of *existing buildings* or structures located in *flood hazard areas*, the building official shall determine where the proposed work constitutes *substantial improvement* or repair of *substantial damage*. Where the building official determines that the proposed work constitutes *substantial improvement* or repair of *substantial damage*, and where required by this code, the building official shall require the building to meet the requirements of Section 1612 of the *International Building Code* or Section R322 of the *International Residential Code*, as applicable.

[A] 109.3.3 Lowest floor elevation. For *additions* and *substantial improvements* to *existing buildings* in *flood hazard areas*, on placement of the lowest floor, including basement, and prior to further vertical construction, the elevation documentation required in the *International Building Code* or *International Residential Code*, as applicable, shall be submitted to the *code official*.

2018 International Building Code

[A] 104.2.1 Determination of substantially improved or substantially damaged existing buildings and structures in flood hazard areas. For applications for reconstruction, rehabilitation, *repair*, *alteration*, *addition* or other improvement of existing buildings or structures located in *flood hazard areas*, the *building official* shall determine if the proposed work constitutes *substantial improvement* or *repair* of *substantial damage*. Where the *building official* determines that the proposed work constitutes *substantial improvement* or *repair* of *substantial damage*, and where required by this code, the *building official* shall require the building to meet the requirements of Section ~~1612~~ 1612 or Section R322 of the *International Residential Code*, as applicable.

[A] 110.3.3 Lowest floor elevation. In *flood hazard areas*, upon placement of the lowest floor, including the *basement*, and prior to further vertical construction, the elevation certification required in Section 1612.4 or *International Residential Code*, as applicable, shall be submitted to the *building official*.

Reason: This proposal could be considered editorial because it makes these two sections consistent with other sections in the IEBC that reference both the IBC and IRC, "as applicable."

It is appropriate to reference the IRC in these sections because existing dwellings are subject to the IEBC. When existing dwellings are required to be brought into compliance with the flood resistant construction requirements (substantial improvement or substantial damage), the IEBC refers to IRC Section R322 for those requirements (see sections 404.3, 405.2.5, 502.3, 503.2, 507.3, 701.3, 1103.3, 1201.4, 1301.3.3 and 1402.6).

Cost Impact: The code change proposal will not increase or decrease the cost of construction

No additional cost. The proposal references existing requirements; it makes this section consistent with phrasing used throughout to refer to compliance based on whether the IBC or IRC is applicable.

Proposal # 4505

ADM18-19

ADM19-19

IBC®: [A] 104.11 (New)

Proponent: Manny Muniz, Self, representing Self (Mannymuniz.mm@gmail.com)

2018 International Building Code

Delete and substitute as follows:

~~[A] 104.11 Alternative materials, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the building official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. Where the alternative material, design or method of construction is not approved, the building official shall respond in writing, stating the reasons why the alternative was not approved.~~

[A] 104.11 Alternative materials, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the building official finds that the proposed design meets all of the following:

1. The alternative material, design or method of construction is satisfactory and complies with the intent of the provisions of this code.
2. The material, method or work offered is, for the purpose intended, not less than the equivalent of that prescribed in this code as it pertains to the following:
 - 2.1. quality
 - 2.2. strength
 - 2.3. effectiveness
 - 2.4. fire resistance
 - 2.5. durability
 - 2.6. safety

Where the alternative material, design or method of construction is not approved, the building official shall respond in writing, stating the reasons why the alternative was not approved.

Reason: This section can be written more clearly as to the various criteria that must be met in order to be approved as an alternate material, design or method of construction. This will make it easier for the building official to make the necessary evaluation and decision. Should the alternate not be approved, it will also make it easier for the building official to cite the reasons for disapproval. There are no changes to the various requirements that the building official must consider.

Bibliography: No bibliography.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
There are no changes to the existing requirements.

Proposal # 1959

ADM19-19

ADM20-19

IBC®: [A] 104.11 (New)

Proponent: Manny Muniz, representing Self (Mannymuniz.mm@gmail.com)

2018 International Building Code

Revise as follows:

[A] 104.11 Alternative materials, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. An alternative material, design or method of construction shall be *approved* where the *building official* finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, *fire resistance*, durability and safety. Approval of an alternate material, design or method of construction shall be issued in writing demonstrating evaluation of all the criteria stated in this section. Where the alternative material, design or method of construction is not *approved*, the *building official* shall respond in writing, stating the reasons why the alternative was not *approved*.

Reason: Just as written documentation is required for not approving an alternate, written documentation should also be required when the alternate is approved to show that the building official has determined that the alternate meets all of the criteria of 104.11.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This has no impact on the cost of construction.

Proposal # 1973

ADM20-19

ADM21-19

IBC®: [A] 104.11

Proponent: Manny Muniz, representing Self (Mannymuniz.mm@gmail.com)

2018 International Building Code

Revise as follows:

[A] 104.11 Alternative materials, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. An alternative material, design or method of construction shall be *approved* where the *building official* finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, *fire resistance*, durability and safety. Such approval shall be limited to a specific project. Where the alternative material, design or method of construction is not *approved*, the *building official* shall respond in writing, stating the reasons why the alternative was not *approved*.

Reason: Alternates should be limited to a specific project in order to encourage the use of ICC-ES Acceptance Criteria or a formal code change so an alternate is not used in perpetuity, thus avoiding closer scrutiny. This will not prevent the building official from approving an alternate for future projects but provides a method for limiting them.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
The code change does not prevent the building official from approving an alternate for any number of projects.

Proposal # 1980

ADM21-19

ADM22-19

IBC®: [A] 104.11.2

Proponent: Manny Muniz, representing Self (Mannymuniz.mm@gmail.com)

2018 International Building Code

[A] 104.11.2 Tests. Whenever there is insufficient evidence of compliance with the provisions of this code, or evidence that a material or method does not conform to the requirements of this code, or in order to substantiate claims for alternative materials or methods, the *building official* shall have the authority to require tests as evidence of compliance to be made without expense to the jurisdiction. Test methods shall be as specified in this code or by other recognized test standards. Test samples shall be randomly selected by an approved agency. In the absence of recognized and accepted test methods, the *building official* shall approve the testing procedures. Tests shall be performed by an *approved agency*. Reports of such tests shall be retained by the *building official* for the period required for retention of public records.

Reason: When the building official requires a test as evidence of compliance, it is important that the test samples be randomly selected by an approved agency so the agency knows what they are testing. This is similar to what test agencies do when testing a product that is to be listed. Unless otherwise instructed, test agencies will perform developmental tests on test samples submitted to them. Such developmental tests are not suitable for listing purposes nor are they suitable for tests required by this section.

Cost Impact: The code change proposal will not increase or decrease the cost of construction. The cost of construction will not be affected by the verification of legitimate test samples.

Proposal # 1987

ADM22-19

ADM23-19 Part I

PART I — IBC®: [A] 104.11, [A] 104.11.1, 104.11.1.1 (New), [A] 104.11.2, 107.3.1.1 (New), 202 (New)

PART II — IBC®: [BS] 202

Proponent: Michael Savage, representing Compliance Code Action Committee (CCAC) (ccac@iccsafe.org)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IBC-STRUCTURAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEES.

2018 International Building Code

[A] 104.11 Alternative materials, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been *approved*. An alternative material, design or method of construction shall be *approved* where the *building official* finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, *fire resistance*, durability and safety. Where the alternative material, design or method of construction is not *approved*, the *building official* shall respond in writing, stating the reasons why the alternative was not *approved*.

[A] 104.11.1 Research reports. Supporting data, where necessary to assist in the approval of materials or assemblies not specifically provided for in this code, shall consist of valid research reports from *approved* sources.

Add new text as follows:

104.11.1.1 Approved sources. Agencies conducting product certification or product evaluation shall be accredited by an *accreditation body*. For the research report to be accepted for product approval, the scope of accreditation shall include the acceptance criteria referenced in the research report.

[A] 104.11.2 Tests. Whenever there is insufficient evidence of compliance with the provisions of this code, or evidence that a material or method does not conform to the requirements of this code, or in order to substantiate claims for alternative materials or methods, the *building official* shall have the authority to require tests as evidence of compliance to be made without expense to the jurisdiction. Test methods shall be as specified in this code or by other recognized test standards. In the absence of recognized and accepted test methods, the *building official* shall approve the testing procedures. Tests shall be performed by an *approved agency*. Reports of such tests shall be retained by the *building official* for the period required for retention of public records.

107.3.1.1 Third-party certification. Products and materials required by the code to be in compliance with referenced standards shall be *certified* by a *third-party certification agency* as complying with the referenced standards. Products and materials shall bear the identification of the manufacturer and any markings required by the applicable referenced standards.

Add new definition as follows:

THIRD-PARTY CERTIFICATION AGENCY. An *approved* agency operating a product or material certification system that incorporates initial product testing, assessment and surveillance of a manufacturer's quality control system.

Proposal # 4999

ADM23-19 Part I

ADM23-19 Part II

IBC®: [BS] 202

Proponent: Michael Savage, representing Compliance Code Action Committee (CCAC) (ccac@iccsafe.org)

2018 International Building Code

Revise as follows:

[BS] ACCREDITATION BODY. An *approved*, third-party organization that is independent of the grading, product certification and inspection agencies ~~, and the lumber mills,~~ and that initially accredits and subsequently monitors agencies conducting building product certification or evaluation schemes, on a continuing basis, including the competency and performance of a grading or inspection agency related to carrying out specific tasks.

Reason: The standard practice in building products conformity assessment involves accreditation of the agencies by an accreditation body such as ISO. Third party testing, manufacturing inspections and product certification or product evaluation provide a higher level of quality assurance on these activities for the building official. Approved sources that issue research reports must be accredited to the specific acceptance criteria referenced in the research report. This ensures that the approved sources have the requisite technical expertise and experience to conduct such activities on behalf of the building official. Harmonized language is proposed for inclusion in a new Section 107.3.1.1 regarding third-party certification, and in Chapter 2 with a definition for third-party certification agency. The language in the new Section 107.3.1.1 is identical to language in the International Plumbing Code Section 303.4. The added definition is the same as that in the International Residential Code, International Plumbing Code and International Mechanical Code. The revised definition for Accreditation Body is necessary as it applies to product certification and inspection activities for building products and materials in general, and not lumber mills specifically. These additions will improve the consistency and intent of the I-codes.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This proposal provides clarification and consistency.

Proposal # 5803

ADM23-19 Part II

ADM24-19 Part I

PART I — IBC®: [A] 105.2 (New)

PART II — IRC®: R105.2 (New)

Proponent: Marc Levitan, representing the ICC 500 Development Committee; Pataya Scott, representing Federal Emergency Management Agency (pataya.scott@fema.dhs.gov); Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Building Code

Revise as follows:

[A] 105.2 Work exempt from permit. Exemptions from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. *Permits* shall not be required for the following:

Building:

1. ~~One-story~~ Other than storm shelters, one-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided that the floor area is not greater than 120 square feet (11 m²).
2. Fences not over 7 feet (2134 mm) high.
3. Oil derricks.
4. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or IIIA liquids.
5. Water tanks supported directly on grade if the capacity is not greater than 5,000 gallons (18 925 L) and the ratio of height to diameter or width is not greater than 2:1.
6. Sidewalks and driveways not more than 30 inches (762 mm) above adjacent grade, and not over any basement or *story* below and are not part of an *accessible route*.
7. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
8. Temporary motion picture, television and theater stage sets and scenery.
9. Prefabricated *swimming pools* accessory to a Group R-3 occupancy that are less than 24 inches (610 mm) deep, are not greater than 5,000 gallons (18 925 L) and are installed entirely above ground.
10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.
11. Swings and other playground equipment accessory to detached one- and two-family *dwelling*s.
12. Window awnings in Group R-3 and U occupancies, supported by an exterior wall that do not project more than 54 inches (1372 mm) from the *exterior wall* and do not require additional support.
13. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

Electrical:

1. **Repairs and maintenance:** Minor repair work, including the replacement of lamps or the connection of *approved* portable electrical equipment to *approved* permanently installed receptacles.
2. **Radio and television transmitting stations:** The provisions of this code shall not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for a power supply and the installations of towers and antennas.
3. **Temporary testing systems:** A *permit* shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

Gas:

1. Portable heating appliance.
2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical:

1. Portable heating appliance.
2. Portable ventilation equipment.
3. Portable cooling unit.
4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this code.
5. Replacement of any part that does not alter its approval or make it unsafe.
6. Portable evaporative cooler.
7. Self-contained refrigeration system containing 10 pounds (4.54 kg) or less of refrigerant and actuated by motors of 1 horsepower (0.75 kW) or less.

Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe, provided, however, that if any concealed trap, drain pipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a *permit* shall be obtained and inspection made as provided in this code.
2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures and the removal and reinstallation of water closets, provided that such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

Proposal # 4188

ADM24-19 Part I

ADM24-19 Part II

IRC®: R105.2 (New)

Proponent: Marc Levitan, representing the ICC 500 Development Committee; Pataya Scott, representing Federal Emergency Management Agency (pataya.scott@fema.dhs.gov); Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org)

2018 International Residential Code

Revise as follows:

R105.2 Work exempt from permit. Exemption from *permit* requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this *jurisdiction*. *Permits* shall not be required for the following:

Building:

1. ~~One-~~ Other than storm shelters, ~~one-story~~ detached *accessory structures*, provided that the floor area does not exceed 200 square feet (18.58 m²).
2. Fences not over 7 feet (2134 mm) high.
3. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.
4. Water tanks supported directly upon *grade* if the capacity does not exceed 5,000 gallons (18 927 L) and the ratio of height to diameter or width does not exceed 2 to 1.
5. Sidewalks and driveways.
6. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
7. Prefabricated swimming pools that are less than 24 inches (610 mm) deep.
8. Swings and other playground equipment.
9. Window awnings supported by an exterior wall that do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support.
10. Decks not exceeding 200 square feet (18.58 m²) in area, that are not more than 30 inches (762 mm) above *grade* at any point, are not attached to a dwelling and do not serve the exit door required by Section R311.4.

Electrical:

1. *Listed* cord-and-plug connected temporary decorative lighting.
2. Reinstallation of attachment plug receptacles but not the outlets therefor.
3. Replacement of branch circuit overcurrent devices of the required capacity in the same location.
4. Electrical wiring, devices, *appliances*, apparatus or *equipment* operating at less than 25 volts and not capable of supplying more than 50 watts of energy.
5. Minor repair work, including the replacement of lamps or the connection of *approved* portable electrical *equipment* to *approved* permanently installed receptacles.

Gas:

1. Portable heating, cooking or clothes drying *appliances*.
2. Replacement of any minor part that does not alter approval of *equipment* or make such *equipment* unsafe.
3. Portable-fuel-cell *appliances* that are not connected to a fixed piping system and are not interconnected to a power grid.

Mechanical:

1. Portable heating *appliances*.
2. Portable ventilation *appliances*.
3. Portable cooling units.
4. Steam, hot- or chilled-water piping within any heating or cooling *equipment* regulated by this code.
5. Replacement of any minor part that does not alter approval of *equipment* or make such *equipment* unsafe.
6. Portable evaporative coolers.
7. Self-contained refrigeration systems containing 10 pounds (4.54 kg) or less of refrigerant or that are actuated by motors of 1 horsepower (746 W) or less.
8. Portable-fuel-cell *appliances* that are not connected to a fixed piping system and are not interconnected to a power grid.

Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe; provided, however, that if any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a *permit* shall be obtained and inspection made as provided in this code.
2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures, and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

Reason: The list of 'Work exempted from permit' in the IBC includes detached accessory structures not greater than 120 square feet; the IRC exempts the same detached accessory structures, but sets the area threshold at 200 square feet. Some detached storm shelters – especially prefabricated units – may be smaller than 120 (or 200) square feet, and classified as accessory structures in accordance with administrative provisions described above. It should also be noted that storm shelters may serve as multi-function buildings such as garden sheds (residential) and light storage (residential and commercial). However, unlike other accessory structures where function is incidental, the storm shelter's primary function is to provide life safety protection from extreme wind events. As such, storm shelter construction and installation should always require a building permit to provide quality assurance for the life safety protection of all potential storm shelter occupants.

Non-permitted storm shelter installation is unfortunately common for residential prefabricated models which are frequently installed after the residential building has been occupied. Some Midwestern jurisdictions only permit storm shelters when they are installed under FEMA-sponsored rebate programs, but all storm shelters should provide consumers with the same level of life safety protection and associated security. Unpermitted prefabricated shelters are most vulnerable to inadequate anchorage because in most cases proper installation is not verified through an independent field inspection. For above ground storm shelters, the existing slab must meet manufacturer's minimum requirements to resist uplift and overturning during an extreme wind event. Accordingly, ICC 500 Section 106.3.1 requires special inspection to verify 1) the capacity of anchors that are post-installed in hardened concrete and 2) the adequacy of the existing slab to meet specifications provided by the manufacturer. For in-ground storm shelters, inadequate anchorage can result in shelters being dislodged when groundwater rises around them.

This proposal is submitted by the ICC Building Code Action Committee (BCAC) and the ICC 500 Storm Shelter Standard Development committee.

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/codedevelopment-process/building-code-actioncommittee-bcac>.

The ICC 500 Standards Development committee is responsible for the development of the ICC/NSSA Standard for the Design and Construction of Storm Shelters. The committee is currently working on the development of the 2020 edition. In 2017 the ICC 500 committee held 7 open conference calls. In addition, there were numerous Working Group meetings and conference calls, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/standards-development/is-stm>.

Cost Impact: The code change proposal will increase the cost of construction

Increases the cost for installing storm shelters by the cost of the permit fee, but only in jurisdictions that currently allow installation without permits.

Proposal # 5744

ADM24-19 Part II

ADM25-19

IFC®: [A] 105.7.14 (New), 105.6.22 (New)

Proponent: Kevin Scott, representing KH Scott & Associates LLC (khscottassoc@gmail.com); Jeffrey Hugo, representing National Fire Sprinkler Association (hugo@nfsa.org)

2018 International Fire Code

Revise as follows:

[A] 105.7.14 High-piled combustible storage. A construction permit is required for the installation of or modification to a structure ~~exceeding with more than~~ 500 square feet (46 m²), including aisles, ~~for~~ of high-piled combustible storage. Maintenance performed in accordance with this code is not considered to be a modification and does not require a construction permit.

105.6.22 High-piled storage. An operational permit is required to use a building or portion thereof with more than 500 square feet (46 m²), including aisles, *of high-piled combustible storage.*

Reason: Code change F311-16 revised these two permits attempting to clarify that the 500 square feet referenced in each permit is the size of the high-piled storage area, not the size of the building. This code change adds further clarification as this is an item that is often misinterpreted. Section 105.7.14 is revised to clarify that it is not the structure that must exceed 500 square feet, but rather the high-piled combustible storage area. So, it will now state that it is a structure with high-piled combustible occupying an area greater than 500 square feet.

The revision in Section 105.6.22 is editorial to merely correct the terminology and reference the defined term of “high-piled combustible storage.”

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Clarification of code requirement, does not change application.

Proposal # 2021

ADM25-19

ADM26-19

IFC®: 105.7.26

Proponent: Bob Morgan, Fort Worth Fire Department, representing Fort Worth Fire Department

2018 International Fire Code

Add new text as follows:

105.7.26 Electrically locked egress doors. A construction permit is required for the installation or modification of electrically locked egress doors, as specified in Chapter 10. A separate construction permit is required for the installation or modification of a fire alarm system that may be connected to the electrically locked egress doors. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

Reason: The installation of electrically locked egress doors primarily in the form of mag locks has become quite prevalent in commercial occupancies. These systems are easily installed, potentially resulting in locked exits without the option to exit at that of the individual and potentially not interlocked with the fire alarm system. The requirement to interlock with the fire alarm system leads to a need for these systems to be permitted and inspected via the fire code official. Additionally, identification of illegal installations during Fire Inspections will be more easily coordinated when permits are required via the fire code official.

Cost Impact: The code change proposal will increase the cost of construction

If the construction complies with the code to begin with as it should, then the only increase in the cost of construction would be the potential cost of the permit in question.

Proposal # 919

ADM26-19

ADM27-19

IMC®: SECTION 107 (New), [A] 106.5, 107.2 (New), [A] 106.5.2, 107.3 (New), [A] 106.5.1, 107.5 (New), [A] 106.5.3, 107.6 (New); IPC®: SECTION 107 (New), 106.6, 107.2 (New), 106.6.2, 107.3 (New), 106.6.1, 107.5 (New), 106.6.3, 107.6 (New); IPMC®: SECTION 104 (New), [A] 103.5, 104.2 (New); IFGC®: SECTION 107 (New), [A] 106.6, 107.2 (New), [A] 106.6.2, 107.3 (New), [A] 106.6.1, 107.5 (New), [A] 106.6.3, 107.6 (New); ISPSC®: SECTION 106 (New), [A] 105.6, [A] 105.6.2, 106.2 (New), 106.3 (New), [A] 105.6.1, 106.5 (New), [A] 105.6.3, 106.6 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgac@iccsafe.org)

2018 International Mechanical Code

Add new text as follows:

SECTION 107 FEES

Revise as follows:

~~[A] 106.5.1 107.1 Fees. Payment of fees. A permit shall not be issued valid until the fees prescribed in Section 106.5.2 by law have been paid, nor shall an amendment to a permit shall not be released until the additional fee, if any, due to an increase of the mechanical system, has been paid.~~

Add new text as follows:

107.2 Schedule of permit fees. Where work requires a permit, a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

Delete without substitution:

~~[A] 106.5.2 Fee schedule. The fees for mechanical work shall be as indicated in the following schedule.
[JURISDICTION TO INSERT~~

~~APPROPRIATE SCHEDULE]~~

Add new text as follows:

107.3 Permit valuations. The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued, such as mechanical equipment and permanent systems. If, in the opinion of the code official, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the code official. Final building permit valuation shall be set by the code official.

Revise as follows:

~~[A] 106.5.4 107.4 Work commencing before permit issuance. Any person who commences any work on a mechanical system before obtaining the necessary permits shall be subject to 100 percent of the usual permit fee a fee established by the code official that shall be in addition to the required permit fees.~~

Add new text as follows:

107.5 Related fees. The payment of the fee for the construction, alteration, removal or demolition for work done in connection to or concurrently with the work authorized by a permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law.

Delete without substitution:

~~[A] 106.5.3 Fee refunds. The code official shall authorize the refunding of fees as follows:~~

- ~~1- The full amount of any fee paid hereunder that was erroneously paid or collected.~~
- ~~2- Not more than [SPECIFY PERCENTAGE] percent of the permit fee paid where work has not been done under a permit issued in accordance with this code.~~
- ~~3- Not more than [SPECIFY PERCENTAGE] percent of the plan review fee paid where an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.~~

~~The code official shall not authorize the refunding of any fee paid, except upon written application filed by the original permittee not later than 180 days after the date of fee payment.~~

Add new text as follows:

107.6 Refunds. The code official is authorized to establish a refund policy.

2018 International Plumbing Code

SECTION 107 FEES

Revise as follows:

~~106.6~~ 107.1 Fees: Payment of fees. A permit shall not be ~~issued valid~~ until the fees prescribed in ~~Section 106.6.2 by law~~ have been paid ~~_, and an~~
An amendment to a permit shall not be released until the additional fee, if any, ~~due to an increase of the plumbing systems~~, has been paid.

Add new text as follows:

107.2 Schedule of permit fees. Where work requires a permit, a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

Delete without substitution:

~~106.6.2 Fee schedule.~~ The fees for all plumbing work shall be as indicated in the following schedule:
[JURISDICTION TO INSERT APPROPRIATE SCHEDULE]

Revise as follows:

~~106.6.1~~ 107.4 Work commencing before permit issuance. Any person who commences any work on a ~~plumbing~~ mechanical system before obtaining the necessary permits shall be subject to ~~100 percent of the usual permit~~ a fee established by the code official that shall be in addition to the required permit fees.

Add new text as follows:

107.5 Related fees. The payment of the fee for the construction, alteration, removal or demolition for work done in connection to or concurrently with the work authorized by a permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law.

Delete without substitution:

~~106.6.3 Fee refunds.~~ The code official shall authorize the refunding of fees as follows:

- ~~1- The full amount of any fee paid hereunder that was erroneously paid or collected.~~
- ~~2- Not more than [SPECIFY PERCENTAGE] percent of the permit fee paid where work has been done under a permit issued in accordance with this code.~~
- ~~3- Not more than [SPECIFY PERCENTAGE] percent of the plan review fee paid where an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.~~

~~The code official shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than 180 days after the date of fee payment.~~

Add new text as follows:

107.6 Refunds. The code official is authorized to establish a refund policy.

2018 International Property Maintenance Code

SECTION 104 FEES

Revise as follows:

[A] ~~103.5~~ 104.1 Fees. The fees for activities and services performed by the department in carrying out its responsibilities under this code shall be as indicated in the following schedule. ~~[JURISDICTION TO INSERT APPROPRIATE SCHEDULE.]~~ established by the applicable governing authority.

Add new text as follows:

104.2 Refunds. The code official is authorized to establish a refund policy.

2018 International Fuel Gas Code

SECTION 107 FEES

Revise as follows:

~~[A] 106.6.1 107.1 Fees- Payment of fees.~~ A permit shall not be ~~issued~~ valid until the fees prescribed in ~~Section 106.6.2 by law~~ have been paid ~~;~~ or shall an An amendment to a permit shall not be released until the additional fee, if any, ~~due to an increase of the installation~~, has been paid.

Add new text as follows:

107.2 Schedule of permit fees. Where work requires a permit, a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

Delete without substitution:

~~[A] 106.6.2 Fee schedule.~~ The fees for work shall be as indicated in the following schedule:
~~{JURISDICTION TO INSERT APPROPRIATE SCHEDULE}~~

Add new text as follows:

107.3 Permit valuations. The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued, such as plumbing equipment and permanent systems. If, in the opinion of the code official, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the code official. Final building permit valuation shall be set by the code official.

Revise as follows:

~~[A] 106.6.1 107.4 Work commencing before permit issuance.~~ Any person who commences any work on ~~an installation a mechanical system~~ before obtaining the necessary permits shall be subject to ~~100 percent of the usual permit fee~~ a fee established by the code official that shall be in addition to the required permit fees.

Add new text as follows:

107.5 Related fees. The payment of the fee for the construction, alteration, removal or demolition for work done in connection to or concurrently with the work authorized by a permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law.

Delete without substitution:

~~[A] 106.6.3 Fee refunds.~~ The code official shall authorize the refunding of fees as follows:

- ~~1- The full amount of any fee paid hereunder that was erroneously paid or collected.~~
- ~~2- Not more than [SPECIFY PERCENTAGE] percent of the permit fee paid where work has not been done under a permit issued in accordance with this code.~~
- ~~3- Not more than [SPECIFY PERCENTAGE] percent of the plan review fee paid where an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.~~

~~The code official shall not authorize the refunding of any fee paid, except upon written application filed by the original permittee not later than 180 days after the date of fee payment.~~

Add new text as follows:

107.6 Refunds. The code official is authorized to establish a refund policy.

2018 International Swimming Pool and Spa Code

SECTION 106 FEES

Revise as follows:

~~[A] 105.6 106.1 Fees- Payment of fees.~~ A permit shall not be valid until the fees prescribed by law have been paid. An amendment to a permit shall not be released until the additional fee, if any, has been paid.

Delete without substitution:

~~[A] 105.6.2 Fee schedule.~~ The fees for work shall be as indicated in the following schedule:
~~[JURISDICTION TO INSERT APPROPRIATE SCHEDULE]~~

Add new text as follows:

106.2 Schedule of permit fees. Where work requires a permit, a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

106.3 Permit valuations. The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued, such as mechanical equipment and permanent systems. If, in the opinion of the code official, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the code official. Final building permit valuation shall be set by the code official.

Revise as follows:

~~[A] 105.6.1~~ **106.4 Work commencing before permit issuance.** Any person who commences any work on a mechanical system before obtaining the necessary permits shall be subject to a fee as indicated in the adopted fee schedule and would established by the code official that shall be in addition to the required permit fees.

Add new text as follows:

106.5 Related fees. The payment of the fee for the construction, alteration, removal or demolition for work done in connection to or concurrently with the work authorized by a permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law.

Delete without substitution:

~~[A] 105.6.3 Fee refunds.~~ The code official shall authorize the refunding of fees as follows:

- ~~1- The full amount of any fee paid hereunder that was erroneously paid or collected.~~
- ~~2- Not more than [SPECIFY PERCENTAGE] percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.~~
- ~~3- Not more than [SPECIFY PERCENTAGE] percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.~~

~~The code official shall not authorize the refunding of any fee paid except upon written application filed by the original permittee not later than 180 days after the date of fee payment.~~

Add new text as follows:

106.6 Refunds. The code official is authorized to establish a refund policy.

Reason: There are two different proposals to address consistency in the Fees section – the end result would be coordination between all codes. The IPC, IMC, IPSDC, IFGC and ISPSC include sections on Fees in the permit section. Each requires the insertion of a table for fees and sets a policy for refunds. If the jurisdiction is on a code for 3 to 6 years, this would prohibit them from adjusting their fees. What the policy is for refunds should also be determined by the department. The current text does not address permit valuations or related fees.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals.”

The following is the template utilized to create this code change proposal. There may be some differences depending on the unique applications of each code – such as “building/fire/code official”.

IMC

SECTION 107FEES

~~[A] 107.1 Payment of Fees.~~ A permit shall not be valid until the fees prescribed by law have been paid: An amendment to a permit shall not be released until the additional fee, if any, has been paid.

~~[A] 107.2 Schedule of permit fees.~~ Where work requires a permit, a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

[A] 107.3 Permit valuations. The applicant for a *permit* shall provide an estimated *permit* value at time of application. *Permit* valuations shall include total value of work, including materials and labor, for which the *permit* is being issued, such as mechanical equipment and permanent systems. If, in the opinion of the *code official*, the valuation is underestimated on the application, the *permit* shall be denied, unless the applicant can show detailed estimates to meet the approval of the *code official*. Final building *permit* valuation shall be set by the *code official*.

[A] 107.4 Work commencing before permit issuance. Any person who commences any work on a mechanical system before obtaining the necessary permits shall be subject to a fee established by the *code official* that shall be in addition to the required permit fees.

[A] 107.5 Related fees. The payment of the fee for the construction, *alteration*, removal or demolition for work done in connection to or concurrently with the work authorized by a *permit* shall not relieve the applicant or holder of the *permit* from the payment of other fees that are prescribed by law.

[A] 107.6 Refunds. The *code official* is authorized to establish a refund policy.

This proposal is submitted by the ICC Plumbing/Mechanical/Gas Code Action Committee (PMG CAC). The PMG CAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance the International Codes or portions thereof that were under the purview of the PMG CAC. In 2017-2018, the PMG CAC held one face-to-face meeting and 11 conference call meetings. Numerous interested parties attended the committee meetings and offered their input. Related documentation and reports are posted on the PMGCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/pmg-code-action-committee-pmgcac>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change that provides consistency between I-codes.

Proposal # 4055

ADM27-19

ADM28-19

IBC®: SECTION 107; IFC®: SECTION 106, [A] 105.4, [A] 105.4.1, [A] 105.4.1.1, [A] 105.4.2, [A] 105.4.2.1, [A] 105.4.3, [A] 105.4.4, [A] 105.4.4.1, [A] 105.4.5, [A] 105.4.6; IPC®: SECTION 107, 106.3.1, 106.5.6; IMC®: SECTION 107, [A] 106.3.1, [A] 106.4.6; IFGC®: SECTION 107, [A] 106.3.1, [A] 106.5.6; ISPSC®: SECTION 106, [A] 105.3, [A] 105.5.6; IPSDC®: SECTION 107, [A] 106.2.1, [A] 106.3.6; IWUIC®: SECTION 108

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Building Code

Revise as follows:

SECTION 107 ~~SUBMITTAL~~ CONSTRUCTION DOCUMENTS

2018 International Fire Code

SECTION 106 CONSTRUCTION DOCUMENTS

Delete without substitution:

~~[A] 105.4 Construction documents. Construction documents shall be in accordance with Sections 105.4.1 through 105.4.6.~~

Revise as follows:

[A] ~~105.4.1~~ **106.1 Submittals.** *Construction documents* and supporting data shall be submitted in two or more sets with each application for a permit and in such form and detail as required by the *fire code official*. The *construction documents* shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed.

Exception: The *fire code official* is authorized to waive the submission of *construction documents* and supporting data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that review of *construction documents* is not necessary to obtain compliance with this code.

[A] ~~105.4.1.1~~ **106.2 Examination of documents.** The *fire code official* shall examine or cause to be examined the accompanying *construction documents* and shall ascertain by such examinations whether the work indicated and described is in accordance with the requirements of this code.

[A] ~~105.4.2~~ **106.2.1 Information on construction documents.** *Construction documents* shall be drawn to scale on suitable material. Electronic media documents are allowed to be submitted where *approved* by the *fire code official*. *Construction documents* shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations as determined by the *fire code official*.

[A] ~~105.4.2.1~~ **106.2.2 Fire protection system shop drawings.** Shop drawings for the fire protection system(s) shall be submitted to indicate compliance with this code and the *construction documents*, and shall be *approved* prior to the start of installation. Shop drawings shall contain all information as required by the referenced installation standards in Chapter 9.

[A] ~~105.4.3~~ **106.2.3 Applicant responsibility.** It shall be the responsibility of the applicant to ensure that the *construction documents* include all of the fire protection requirements and the shop drawings are complete and in compliance with the applicable codes and standards.

[A] ~~105.4.4~~ **106.2.4 Approved documents.** *Construction documents approved* by the *fire code official* are approved with the intent that such *construction documents* comply in all respects with this code. Review and approval by the *fire code official* shall not relieve the applicant of the responsibility of compliance with this code.

[A] ~~105.4.4.1~~ **106.2.4.1 Phased approval.** The *fire code official* is authorized to issue a permit for the construction of part of a structure, system or operation before the *construction documents* for the whole structure, system or operation have been submitted, provided that adequate information and detailed statements have been filed complying with pertinent requirements of this code. The holder of such permit for parts of a structure, system or operation shall proceed at the holder's own risk with the building operation and without assurance that a permit for the entire structure, system or operation will be granted.

[A] ~~105.4.5~~ **106.3 Amended construction documents.** Work shall be installed in accordance with the *approved construction documents*, and any changes made during construction that are not in compliance with the *approved construction documents* shall be resubmitted for approval as an amended set of *construction documents*.

[A] ~~105.4.6~~ **106.4 Retention of construction documents.** One set of *construction documents* shall be retained by the *fire code official* for a period

of not less than 180 days from date of completion of the permitted work, or as required by state or local laws. One set of *approved construction documents* shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.

2018 International Plumbing Code

SECTION 107 CONSTRUCTION DOCUMENTS

~~106.3.1~~ **107.1 Construction documents.** Construction documents, engineering calculations, diagrams and other such data shall be submitted in two or more sets with each application for a permit. The code official shall require construction documents, computations and specifications to be prepared and designed by a registered design professional where required by state law. Construction documents shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code. Construction documents for buildings more than two stories in height shall indicate where penetrations will be made for pipes, fittings and components and shall indicate the materials and methods for maintaining required structural safety, fire-resistance rating and fireblocking.

Exception: The code official shall have the authority to waive the submission of construction documents, calculations or other data if the nature of the work applied for is such that reviewing of construction documents is not necessary to determine compliance with this code.

~~106.5.6~~ **107.2 Retention of construction documents.** One set of *approved construction documents* shall be retained by the code official for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws. One set of *approved construction documents* shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.

2018 International Mechanical Code

SECTION 107 CONSTRUCTION DOCUMENTS

[A] ~~106.3.1~~ **107.1 Construction documents.** *Construction documents*, engineering calculations, diagrams and other data shall be submitted in two or more sets with each application for a permit. The code official shall require *construction documents*, computations and specifications to be prepared and designed by a *registered design professional* where required by state law. Where special conditions exist, the code official is authorized to require additional *construction documents* to be prepared by a *registered design professional*. *Construction documents* shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code. *Construction documents* for buildings more than two stories in height shall indicate where penetrations will be made for mechanical systems, and the materials and methods for maintaining required structural safety, fire-resistance rating and fireblocking.

Exception: The code official shall have the authority to waive the submission of *construction documents*, calculations or other data if the nature of the work applied for is such that reviewing of *construction documents* is not necessary to determine compliance with this code.

[A] ~~106.4.6~~ **107.2 Retention of construction documents.** One set of *approved construction documents* shall be retained by the code official for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws. One set of *approved construction documents* shall be returned to the applicant, and said set shall be kept on the site of the building or job at all times during which the work authorized thereby is in progress.

2018 International Fuel Gas Code

SECTION 107 CONSTRUCTION DOCUMENTS

[A] ~~106.3.1~~ **107.1 Construction documents.** *Construction documents*, engineering calculations, diagrams and other data shall be submitted in two or more sets with each application for a permit. The code official shall require *construction documents*, computations and specifications to be prepared and designed by a registered design professional where required by state law. *Construction documents* shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code. *Construction documents* for buildings more than two stories in height shall indicate where penetrations will be made for installations and shall indicate the materials and methods for maintaining required structural safety, fire-resistance rating and fireblocking.

Exception: The code official shall have the authority to waive the submission of *construction documents*, calculations or other data if the nature of the work applied for is such that reviewing of *construction documents* is not necessary to determine compliance with this code.

[A] ~~106.5.6~~ **107.2 Retention of construction documents.** One set of *approved construction documents* shall be retained by the code official for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws. One set of *approved construction documents* shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the

work authorized thereby is in progress.

2018 International Swimming Pool and Spa Code

SECTION 106 **CONSTRUCTION DOCUMENTS**

[A] ~~105.3~~ **106.1 Construction documents.** Construction documents, engineering calculations, diagrams and other such data shall be submitted in two or more sets with each application for a permit. The code official shall require construction documents, computations and specifications to be prepared and designed by a registered design professional where required by state law. Construction documents shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code.

[A] ~~105.5.6~~ **106.2 Retention of construction documents.** One set of *approved* construction documents shall be retained by the code official for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws. One set of *approved* construction documents shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.

2018 International Private Sewage Disposal Code

SECTION 107 **CONSTRUCTION DOCUMENTS**

[A] ~~106.2.1~~ **107.1 Construction documents.** An application for a permit shall be accompanied by not less than two copies of construction documents drawn to scale, with sufficient clarity and detail dimensions showing the nature and character of the work to be performed. Specifications shall include pumps and controls, dose volume, elevation differences (vertical lift), pipe friction loss, pump performance curve, pump model and pump manufacturer. The code official is permitted to waive the requirements for filing construction documents where the work involved is of a minor nature. Where the quality of the materials is essential for conformity to this code, specific information shall be given to establish such quality, and this code shall not be cited, or the term "legal" or its equivalent used as a substitute for specific information.

[A] ~~106.3.6~~ **107.2 Retention of construction documents.** One set of approved construction documents shall be retained by the code official for a period of not less than 180 days from date of completion of the permitted work, or as required by state or local laws. One set of approved construction documents shall be returned to the applicant, and said set shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress.

2018 International Wildland-Urban Interface Code

SECTION 108 **PLANS AND SPECIFICATIONS CONSTRUCTION DOCUMENTS**

Reason: The intent of this proposal is to move requirements for construction documents into its own section so that requirements can be consistently found in the codes.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals."

This proposal is submitted by the ICC Building Code Action Committee (BCAC). BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/codedevelopment-process/building-code-actioncommittee-bcac>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change only.

Proposal # 4076

ADM28-19

ADM29-19

IBC®: [A] 107.2.4; IEBC®: [A] 106.2.4

Proponent: John Woestman, representing Extruded Polystyrene Foam Association (jwoestman@kellenccompany.com)

2018 International Building Code

Revise as follows:

[A] 107.2.4 Exterior wall envelope. *Construction documents* for all buildings shall describe the *exterior wall envelope* in sufficient detail to determine compliance with this code. The *construction documents* shall provide details of the *exterior wall envelope* as required, including flashing, intersections with dissimilar materials, corners, end details, control joints, intersections at roof, eaves or parapets, means of drainage, water-resistive ~~membrane barrier~~ and details around openings.

The *construction documents* shall include manufacturer's installation instructions that provide supporting documentation that the proposed penetration and opening details described in the *construction documents* maintain the weather resistance of the *exterior wall envelope*. The supporting documentation shall fully describe the *exterior wall system* that was tested, where applicable, as well as the test procedure used.

2018 International Existing Building Code

[A] 106.2.4 Exterior wall envelope. Construction documents for work affecting the exterior wall envelope shall describe the exterior wall envelope in sufficient detail to determine compliance with this code. The construction documents shall provide details of the exterior wall envelope as required, including windows, doors, flashing, intersections with dissimilar materials, corners, end details, control joints, intersections at roof, eaves or parapets, means of drainage, water-resistive ~~membrane barrier~~, and details around openings.

The construction documents shall include manufacturer's installation instructions that provide supporting documentation that the proposed penetration and opening details described in the construction documents maintain the wind and weather resistance of the exterior wall envelope. The supporting documentation shall fully describe the exterior wall system that was tested, where applicable, as well as the test procedure used.

Reason: Corrects inappropriate reference of water-resistive **membrane** and uses a term defined in the IBC and IRC (water-resistive barrier) and which is not exclusive of any type of WRB which may be a membrane, panel, etc.

Cost Impact: The code change proposal will not increase or decrease the cost of construction

This is a correction that uses a defined term to provide clarification of the requirements. No cost implications anticipated.

Proposal # 5238

ADM29-19

ADM30-19

IBC®: [A] 107.2.5; IEBC®: [A] 106.2.5

Proponent: Rebecca Baker, Jefferson County CO, representing the Colorado Chapter ICC (bbaker@co.jefferson.co.us)

2018 International Building Code

Revise as follows:

[A] 107.2.5 Exterior balconies and elevated walking surfaces. Where balconies or other elevated walking surfaces ~~are exposed to water from direct or blowing rain, snow, or irrigation~~ have weather-exposed surfaces, and the structural framing is protected by an impervious moisture barrier, the *construction documents* shall include details for all elements of the impervious moisture barrier system. The *construction documents* shall include manufacturer's installation instructions.

2018 International Existing Building Code

[A] 106.2.5 Exterior balconies and elevated walking surfaces. Where the scope of work involves balconies or other elevated walking surfaces ~~exposed to water from direct or blowing rain, snow or irrigation~~ have weather-exposed surfaces, and the structural framing is protected by an impervious moisture barrier, the construction documents shall include details for all elements of the impervious moisture barrier system. The construction documents shall include manufacturer's installation instructions.

Reason: The term irrigation was added to the 2018 and goes beyond the previous editions of the code. To verify compliance, landscape irrigation plans would need to become part of the construction documents. The proposed language uses a defined term which will increase consistency and satisfy the intent.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This proposal will improve consistency in the application of the code.

Proposal # 4458

ADM30-19

ADM31-19 Part I

PART I — IPC®: SECTION 108, 107.5, 107.5.1; IMC®: SECTION 108, [A] 107.4, [A] 107.4.1; IFGC®: SECTION 108, [A] 107.4, [A] 107.4.1; ISPSC®: SECTION 107, [A] 106.17, [A] 106.17.1; IPSDC®: SECTION 108, [A] 107.7, [A] 107.7.1

PART II — IECC: SECTION C106 (New), C105.7, C105.7.1

PART III — IECC: SECTION R106, R105.7, R105.7.1

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

THIS IS A 3 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IECC-COMMERCIAL CODE COMMITTEE. PART III WILL BE HEARD BY THE IECC-RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Plumbing Code

Add new text as follows:

SECTION 108 NOTICE OF APPROVAL

Revise as follows:

~~107.5.1~~ **108.1 Approval.** After the prescribed tests and inspections indicate that the work complies in all respects with this code, a notice of approval shall be issued by the code official.

~~107.5.1~~ **108.2 Revocation.** The code official is authorized to, in writing, suspend or revoke a notice of approval issued under the provisions of this code wherever the notice is issued in error, or on the basis of incorrect information supplied, or where it is determined that the building or structure, premise or portion thereof is in violation of any ordinance or regulation or any of the provisions of this code.

2018 International Mechanical Code

Add new text as follows:

SECTION 108 NOTICE OF APPROVAL

Revise as follows:

[A] ~~107.4~~ **108.1 Approval.** After the prescribed tests and inspections indicate that the work complies in all respects with this code, a notice of approval shall be issued by the code official.

[A] ~~107.4.1~~ **108.2 Revocation.** The code official is authorized to, in writing, suspend or revoke a notice of approval issued under the provisions of this code wherever the notice is issued in error, on the basis of incorrect information supplied, or where it is determined that the building or structure, premise or portion thereof is in violation of any ordinance or regulation or any of the provisions of this code.

2018 International Fuel Gas Code

Add new text as follows:

SECTION 108 NOTICE OF APPROVAL

Revise as follows:

[A] ~~107.4~~ **108.1 Approval.** After the prescribed tests and inspections indicate that the work complies in all respects with this code, a notice of approval shall be issued by the code official.

[A] ~~107.4.1~~ **108.2 Revocation.** The code official is authorized to, in writing, suspend or revoke a notice of approval issued under the provisions of this code wherever the notice is issued in error, or on the basis of incorrect information supplied or where it is determined that the building or structure, premise, or portion thereof is in violation of any ordinance or regulation or any of the provisions of this code.

2018 International Swimming Pool and Spa Code

Add new text as follows:

SECTION 107
NOTICE OF APPROVAL

Revise as follows:

[A] ~~106.17.1~~ **107.1 Approval.** After the prescribed tests and inspections indicate that the work complies in all respects with this code, a notice of approval shall be issued by the code official.

[A] ~~106.17.1~~ **107.2 Revocation.** The code official is authorized to, in writing, suspend or revoke a notice of approval issued under the provisions of this code wherever the notice is issued in error, or on the basis of the incorrect information supplied, or where it is determined that the building or structure, premise, system or portion thereof is in violation of any ordinance or regulation or any of the provisions of this code.

2018 International Private Sewage Disposal Code

Add new text as follows:

SECTION 108
NOTICE OF APPROVAL

Revise as follows:

[A] ~~107.7~~ **108.1 Approval.** After the prescribed inspections indicate that the work complies in all respects with this code, a notice of approval shall be issued by the code official.

[A] ~~107.7.1~~ **108.2 Revocation.** The code official is authorized to, in writing, suspend or revoke a notice of approval issued under the provisions of this code wherever the notice is issued in error, on the basis of incorrect information supplied, or where it is determined that the building or structure, premise or portion thereof is in violation of any ordinance or regulation or any of the provisions of this code.

Proposal # 4073

ADM31-19 Part I

ADM31-19 Part II

IECC: SECTION C106 (New), C105.7, C105.7.1

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Energy Conservation Code

Add new text as follows:

SECTION C106 NOTICE OF APPROVAL

Revise as follows:

~~C105.7~~ **C106.1 Approval.** After the prescribed tests and inspections indicate that the work complies in all respects with this code, a notice of approval shall be issued by the *code official*.

~~C105.7.1~~ **C106.2 Revocation.** The *code official* is authorized to suspend or revoke, in writing, a notice of approval issued under the provisions of this code wherever the certificate is issued in error, or on the basis of incorrect information supplied, or where it is determined that the *building* or structure, premise, or portion thereof is in violation of any ordinance or regulation or any of the provisions of this code.

Proposal # 5739

ADM31-19 Part II

ADM31-19 Part III

IECC: SECTION R106, R105.7, R105.7.1

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Energy Conservation Code

Add new text as follows:

SECTION R106 NOTICE OF APPROVAL

Revise as follows:

~~R105.7.1~~ R106.1 Approval. After the prescribed tests and inspections indicate that the work complies in all respects with this code, a notice of approval shall be issued by the *code official*.

~~R105.7.1~~ R106.2 Revocation. The *code official* is authorized to, in writing, suspend or revoke a notice of approval issued under the provisions of this code wherever the certificate is issued in error, or on the basis of incorrect information supplied, or where it is determined that the *building* or structure, premise, or portion thereof is in violation of any ordinance or regulation or any of the provisions of this code.

Reason: Several of the codes have requirements for a Notice of Approval. This should be in its own section similar to Certificate of Occupancy in the IBC, IRC and IEBC, so it can be readily located.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals."

This proposal is submitted by the ICC Sustainable, Energy and High Performance Code Action Committee (SEHPCAC) and the ICC Plumbing/Mechanical/Gas Code Action Committee (PMG CAC).

The SEHPCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance International Codes with regard to sustainability, energy and high performance as it relates to the built environment included, but not limited to, how these criteria relate to the International Green Construction Code (IgCC) and the International Energy Conservation Code (IECC). In 2018-2019, the SEHPCAC has held five two- or three-day open meetings and numerous workgroup calls, to discuss and debate proposed changes and public comments. Attendees at the meetings and calls included members of the SEHPCAC as well as any interested parties. Related documentation and reports are posted on the SEHPCAC website at <http://www.iccsafe.org/cs/SEHPCAC/Pages/default.aspx>.

The PMGCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance the International Codes or portions thereof that were under the purview of the PMGCAC. In 2017-2018, the PMGCAC held one face-to-face meeting and 11 conference call meetings. Numerous interested parties attended the committee meetings and offered their input. Related documentation and reports are posted on the PMGCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/pmg-code-action-committee-pmgcac>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change.

Proposal # 5740

ADM31-19 Part III

ADM32-19 Part I

PART I — IBC®: SECTION 108, [A] 108.1, [A] 108.2, [A] 108.3, [A] 108.4; IPC®: SECTION 110, 110.1, 110.2, 110.3, 110.4; IMC®: SECTION 110, [A] 110.1, [A] 110.2, [A] 110.3, [A] 110.4; IFGC®: SECTION 110 (IFGC), [A] 110.1, [A] 110.2, [A] 110.3, [A] 110.4; IEBC®: SECTION 107, [A] 107.1, [A] 107.2, [A] 107.3, [A] 107.4; IPSDC®: SECTION 110, [A] 110.1, [A] 110.2, [A] 110.3, [A] 110.4; IWUIC®: SECTION 112, [A] 112.1, [A] 112.2, 112.3, [A] 112.3; ISPSC®: SECTION 106, 106.1, 106.2, 106.3, 106.4

PART II — IRC®: SECTION R107, R107.1, R107.2, R107.3, R107.4

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, FCAC, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEES.

2018 International Building Code

Revise as follows:

SECTION 108 TEMPORARY USES, EQUIPMENT AND STRUCTURES ~~AND USES~~

[A] 108.1 General. The *building official* is authorized to issue a permit for temporary ~~structures and temporary uses~~, structures, uses, equipment or systems. Such *permits* shall be limited as to time of service, but shall not be permitted for more than 180 days. The *building official* is authorized to grant extensions for demonstrated cause.

[A] 108.2 Conformance. Temporary ~~structures uses~~ and ~~uses shall~~ structures shall comply with the requirements in Section 3103.

[A] 108.3 Temporary power. The *building official* is authorized to give permission to temporarily supply ~~and use power in part of an electric installation before such installation~~ utilities, sources of energy, fuel, power, water systems or sewer systems before an installation has been fully completed and the final certificate of completion approval has been issued. The part covered by the temporary ~~certificate approval~~ shall comply with the requirements specified for temporary lighting, heat or power in ~~NFPA 70: this code~~.

[A] 108.4 Termination of approval. The *building official* is authorized to terminate such permit for a temporary ~~structure uses equipment, or use system~~ and to order the ~~temporary structure or use same~~ to be discontinued.

2018 International Plumbing Code

SECTION 110 TEMPORARY USES, EQUIPMENT, AND SYSTEMS ~~AND USES~~

110.1 General. The code official is authorized to issue a permit for temporary uses, equipment, systems and uses, ~~or systems~~. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 days. The code official is authorized to grant extensions for demonstrated cause.

110.2 Conformance. Temporary uses, equipment, and systems ~~and uses~~ shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure the ~~public~~ health, safety and general welfare.

110.3 Temporary utilities. The code official is authorized to give permission to temporarily supply utilities, sources of energy, fuel, power, water systems or sewer systems before an installation has been fully completed and the final ~~certificate of completion approval~~ has been issued. The part covered by the temporary ~~certificate approval~~ shall comply with the requirements specified for temporary lighting, heat or power in ~~the this code~~.

110.4 Termination of approval. The code official is authorized to terminate such permit for temporary uses equipment, systems or uses ~~system~~ and to order the ~~temporary equipment, systems or uses same~~ to be discontinued.

2018 International Mechanical Code

SECTION 110 TEMPORARY USES, EQUIPMENT, AND SYSTEMS ~~AND USES~~

[A] 110.1 General. The code official is authorized to issue a permit for temporary uses, equipment, systems and uses, ~~or systems~~. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 days. The code official is authorized to grant extensions for demonstrated cause.

[A] 110.2 Conformance. Temporary uses, equipment, and systems ~~and uses~~ shall conform to the structural strength, fire safety, means of egress,

accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure the ~~public~~ health, safety and general welfare.

[A] 110.3 Temporary utilities. The code official is authorized to give permission to temporarily supply utilities, sources of energy, fuel, power, water systems or sewer systems before an installation has been fully completed and the final ~~certificate of completion approval~~ has been issued. The part covered by the temporary ~~certificate approval~~ shall comply with the requirements specified for temporary lighting, heat or power in ~~the~~ this code.

[A] 110.4 Termination of approval. The code official is authorized to terminate such permit for temporary uses, equipment, systems or uses system and to order the ~~temporary equipment, systems or uses same~~ to be discontinued.

2018 International Fuel Gas Code

SECTION 110 (IFGC) TEMPORARY USES, EQUIPMENT, AND SYSTEMS ~~AND USES~~

[A] 110.1 General. The code official is authorized to issue a permit for temporary uses, equipment, systems and uses or systems. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 days. The code official is authorized to grant extensions for demonstrated cause.

[A] 110.2 Conformance. Temporary uses, equipment, and systems and uses shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure the ~~public~~ health, safety and general welfare.

[A] 110.3 Temporary utilities. The code official is authorized to give permission to temporarily supply utilities, sources of energy, fuel, power, water systems or sewer systems before an installation has been fully completed and the final ~~certificate of completion approval~~ has been issued. The part covered by the temporary ~~certificate approval~~ shall comply with the requirements specified for temporary lighting, heat or power in ~~the~~ this code.

[A] 110.4 Termination of approval. The code official is authorized to terminate such permit for ~~a~~ temporary structure uses equipment, or use system and to order the ~~temporary structure or use same~~ to be discontinued.

2018 International Existing Building Code

SECTION 107 TEMPORARY STRUCTURES AND USES, EQUIPMENT, AND SYSTEMS ~~AND USES~~

[A] 107.1 General. The code official is authorized to issue a permit for temporary ~~uses, equipment, or systems~~. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 days. The code official is authorized to grant extensions for demonstrated cause.

[A] 107.2 Conformance. Temporary uses, equipment, and systems shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure the ~~public~~ health, safety and general welfare.

[A] 107.3 Temporary power. The code official is authorized to give permission to temporarily supply ~~and use power in part of an electric installation before such installation~~ utilities, sources of energy, fuel, power, water systems or sewer systems before an installation has been fully completed and the final ~~certificate of completion approval~~ has been issued. The part covered by the temporary ~~certificate approval~~ shall comply with the requirements specified for temporary lighting, heat or power in ~~NFPA 70; this code.~~

[A] 107.4 Termination of approval. The code official is authorized to terminate such permit for ~~a~~ temporary use uses equipment, or system and to order the ~~temporary use same~~ to be discontinued.

2018 International Private Sewage Disposal Code

SECTION 110 TEMPORARY USES, EQUIPMENT, AND SYSTEMS ~~AND USES~~

[A] 110.1 General. The code official is authorized to issue a permit for temporary uses, equipment, systems and uses or systems. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 days. The code official is authorized to grant extensions for demonstrated cause.

[A] 110.2 Conformance. Temporary uses, equipment, and systems and uses shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure the ~~public~~ health, safety and general welfare.

[A] 110.3 Temporary utilities. The code official is authorized to give permission to temporarily supply utilities, sources of energy, fuel, power, water systems or sewer systems before an installation has been fully completed and the final ~~certificate of completion approval~~ has been issued. The part covered by the temporary ~~certificate approval~~ shall comply with the requirements specified for temporary lighting, heat or power in ~~the~~ this code.

[A] 110.4 Termination of approval. The code official is authorized to terminate such permit for ~~a~~ temporary structure uses equipment, or use system and to order the ~~temporary structure or use same~~ to be discontinued.

2018 International Wildland-Urban Interface Code

SECTION 112

TEMPORARY STRUCTURES AND USES ~~USES, EQUIPMENT, AND SYSTEMS~~

[A] 112.1 General. The code official is authorized to issue a permit for temporary ~~structures and temporary uses~~ uses, equipment, or systems. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 days. The code official is authorized to grant extensions for demonstrated cause.

[A] 112.2 Conformance. Temporary ~~structures and uses~~ equipment, and systems shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure the ~~public~~ health, safety and general welfare.

112.3 Temporary utilities. The code official is authorized to give permission to temporarily supply utilities, sources of energy, fuel, power, water systems or sewer systems before an installation has been fully completed and the final approval has been issued. The part covered by the temporary approval shall comply with the requirements specified for temporary lighting, heat or power in this code.

[A] ~~112.3~~ 112.4 Termination of approval. The code official is authorized to terminate such permit for a temporary ~~structure~~ uses equipment, or use system and to order the temporary ~~structure or use~~ same to be discontinued.

2018 International Swimming Pool and Spa Code

SECTION 106

TEMPORARY USES, EQUIPMENT, AND SYSTEMS

106.1 General. The code official is authorized to issue a permit for temporary uses, equipment, or systems. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 days. The code official is authorized to grant extensions for demonstrated cause.

106.2 Conformance. Temporary uses, equipment, and systems shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure the health, safety and general welfare.

106.3 Temporary utilities. The code official is authorized to give permission to temporarily supply utilities, sources of energy, fuel, power, water systems or sewer systems before an installation has been fully completed and the final approval has been issued. The part covered by the temporary approval shall comply with the requirements specified for temporary lighting, heat or power in this code.

106.4 Termination of approval. The code official is authorized to terminate such permit for temporary uses equipment, or system and to order the same to be discontinued.

Proposal # 4058

ADM32-19 Part I

ADM32-19 Part II

IRC@: SECTION R107, R107.1, R107.2, R107.3, R107.4

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, FCAC, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgac@iccsafe.org)

2018 International Residential Code

Revise as follows:

SECTION R107 TEMPORARY STRUCTURES ~~USES, EQUIPMENT AND USES~~ STRUCTURES

R107.1 General. The *building official* is authorized to issue a permit for temporary ~~structures and temporary uses, uses, equipment, or systems.~~ Such *permits* shall be limited as to time of service, but shall not be permitted for more than 180 days. The *building official* is authorized to grant extensions for demonstrated cause.

R107.2 Conformance. Temporary ~~structures and uses shall uses, structures, equipment or systems shall~~ conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure ~~the public the~~ health, safety and general welfare.

R107.3 Temporary power. The building official is authorized to give permission to temporarily supply ~~and use power in part of an electric installation before such installation~~ utilities, sources of energy, fuel, power, water systems or sewer systems before an installation has been fully completed and the final ~~certificate of completion approval~~ certificate approval has been issued. The part covered by the temporary ~~certificate approval~~ shall comply with the requirements specified for temporary lighting, heat or power in ~~NFPA 70: this code.~~

R107.4 Termination of approval. The building official is authorized to terminate such permit for ~~a temporary structure uses equipment, or use system~~ and to order the ~~temporary structure or use same~~ to be discontinued.

Reason:

The purpose of this proposal is coordination between codes for the section on temporary structures. The word use is moved to the front. The allowances for temporary connection under inspection and testing address more than just utilities, so the language in this section should match.

The phrase "certificate of completion" is not defined, so "approved" would be a better choice.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals."

The following is the template utilized to create this code change proposal. There may be some differences depending on the unique applications of each code – such as "building/fire/code official".

IBC

SECTION 108

TEMPORARY USES, EQUIPMENT, AND SYSTEMS

[A] 108.1 General. The building official is authorized to issue a permit for temporary uses, equipment, or systems. Such permits shall be limited as to time of service, but shall not be permitted for more than 180 days. The building official is authorized to grant extensions for demonstrated cause.

[A] 108.2 Conformance. Temporary uses, equipment, and systems shall conform to the structural strength, fire safety, means of egress, accessibility, light, ventilation and sanitary requirements of this code as necessary to ensure the health, safety and general welfare.

[A] 108.3 Temporary utilities. The building official is authorized to give permission to temporarily supply utilities, sources of energy, fuel, power, water systems or sewer systems before an installation has been fully completed and the final approval has been issued. The part covered by the temporary approval shall comply with the requirements specified for temporary lighting, heat or power in this code.

[A] 108.4 Termination of approval. The building official is authorized to terminate such permit for temporary uses equipment, or system and to order

the same to be discontinued.

This proposal is submitted by the ICC Building Code Action Committee (BCAC), the ICC Fire Code Action Committee (FCAC), the ICC Sustainable and the ICC Plumbing/Mechanical/Gas Code Action Committee (PMG CAC).

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/building-code-actioncommittee-bcac>.

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 2018 the Fire-CAC has held 3 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: <https://www.iccsafe.org/codes-tech-support/cs/fire-code-action-committee-fcac/>

The PMG CAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance the International Codes or portions thereof that were under the purview of the PMG CAC. In 2017-2018, the PMG CAC held one face-to-face meeting and 11 conference call meetings. Numerous interested parties attended the committee meetings and offered their input. Related documentation and reports are posted on the PMGCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/pmg-code-action-committee-pmgcac>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change that provides consistency between I-codes.

Proposal # 5796

ADM32-19 Part II

ADM33-19 Part I

PART I — IBC®: SECTION 109, [A] 109.1, [A] 109.2, [A] 109.3, [A] 109.4, [A] 109.5, [A] 109.6; IFC®: SECTION 106, [A] 106.1, [A] 106.2, 106.3 (New), [A] 106.3, [A] 106.4, [A] 106.5; IEBC®: SECTION 108, [A] 108.1, [A] 108.2, [A] 108.3, [A] 108.4, [A] 108.5, [A] 108.6; IWUIC®: SECTION 109, [A] 109.1, [A] 109.2, 109.3, [A] 109.3, [A] 109.4, [A] 109.5; IZC®: SECTION 111, [A] 111.1, 111.2

PART II — IECC: SECTION C104, C104.1, C104.2, C104.3, C104.4, C104.5

PART III — IECC: SECTION R104, R104.1, R104.2, R104.3, R104.4, R104.5

PART IV — IGCC®: 107 (New), 107.1 (New), 107.2 (New), 107.3 (New), 107.4 (New), 107.5 (New), 107.6 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org)

THIS IS A 4 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. PART III WILL BE HEARD BY THE IECC-COMMERCIAL CODE COMMITTEE. PART IV WILL BE HEARD BY THE IGCC CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Building Code

Revise as follows:

SECTION 109 FEES

[A] 109.1 Payment of fees. A *permit* shall not be valid until the fees prescribed by law have been paid, nor shall an amendment to a *permit* be released until the additional fee, if any, has been paid.

[A] 109.2 Schedule of permit fees. ~~On buildings, structures, electrical, gas, mechanical, and plumbing systems or alterations requiring~~ Where a *permit is required*, a fee for each *permit* shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

[A] 109.3 Building permit-Permit valuations. The applicant for a *permit* shall provide an estimated *permit* value at time of application. *Permit* valuations shall include total value of work, including materials and labor, for which the *permit* is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. If, in the opinion of the *building official*, the valuation is underestimated on the application, the *permit* shall be denied, unless the applicant can show detailed estimates to meet the approval of the *building official*. Final building *permit* valuation shall be set by the *building official*.

[A] 109.4 Work commencing before permit issuance. Any person who commences any ~~work on a building, structure, electrical, gas, mechanical or plumbing system before work before~~ obtaining the necessary *permits* shall be subject to a fee established by the *building official* that shall be in addition to the required *permit* fees.

[A] 109.5 Related fees. The payment of the fee for the construction, *alteration*, removal or demolition for work done in connection to or concurrently with the work authorized by a building *permit* shall not relieve the applicant or holder of the *permit* from the payment of other fees that are prescribed by law.

[A] 109.6 Refunds. The *building official* is authorized to establish a refund policy.

2018 International Fire Code

SECTION 106 FEES

[A] 106.1 Fees. A permit shall not be issued until the fees have been paid, nor shall an amendment to a permit be released until the additional fee, if any, has been paid.

[A] 106.2 Schedule of permit fees. ~~A-Where a permit is required,~~ a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

Add new text as follows:

106.3 Permit valuations. The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. If, in the opinion of the building official, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the building official. Final building permit valuation shall be set by the building official.

Revise as follows:

[A] ~~106-3~~ 106.4 Work commencing before permit issuance. A person who commences any work, activity or operation regulated by this code before obtaining the necessary permits shall be subject to ~~an additional a~~ fee established by the applicable governing authority, which shall be in addition to the required permit fees.

[A] ~~106-4~~ 106.5 Related fees. The payment of the fee for the construction, *alteration*, removal or demolition of work done in connection to or concurrently with the work or activity authorized by a permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law.

[A] ~~106-5~~ 106.6 Refunds. The applicable governing authority is authorized to establish a refund policy.

2018 International Existing Building Code

SECTION 108 FEES

[A] 108.1 Payment of fees. A permit shall not be valid until the fees prescribed by law have been paid. ~~Not paid nor~~ shall an amendment to a permit be released until the additional fee, if any, has been paid.

[A] 108.2 Schedule of permit fees. ~~On buildings, electrical, gas, mechanical, and plumbing systems or alterations requiring~~ Where a permit is required, a fee for each permit shall be paid as required in accordance with the schedule as established by the applicable governing authority.

[A] 108.3 ~~Building permit~~ Permit valuations. The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work including materials and labor for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment, and permanent systems. If, in the opinion of the *code official*, the valuation is underestimated on the application, the permit shall be denied unless the applicant can show detailed estimates to meet the approval of the *code official*. Final building permit valuation shall be set by the *code official*.

[A] 108.4 Work commencing before permit issuance. Any person who commences any work before obtaining the necessary permits shall be subject to ~~an additional a~~ fee established by the *code official* that shall be in addition to the required permit fees.

[A] 108.5 Related fees. The payment of the fee for the construction, *alteration*, removal, or demolition of work done in connection to or concurrently with the work authorized by ~~a building a~~ permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law.

[A] 108.6 Refunds. The *code official* is authorized to establish a refund policy.

2018 International Wildland-Urban Interface Code

SECTION 109 FEES

[A] 109.1 ~~Fees-~~ Payment of fees. A permit shall not be issued until the fees prescribed in ~~Section 109.2 by law~~ have been paid ~~nor~~ shall an amendment to a permit be released until the additional fee, if any, has been paid

[A] 109.2 Schedule of permit fees. ~~A-Where a permit is required, a~~ fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

109.3 Permit valuations. The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued. If, in the opinion of the applicable governing authority, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the applicable governing authority. Final building permit valuation shall be set by the applicable governing authority.

[A] ~~109-3~~ 109.4 Work commencing before permit issuance. Any person who commences any work before obtaining the necessary permits shall be subject to ~~an additional a~~ fee established by the applicable governing authority, which shall be in addition to the required permit fees.

[A] ~~109-4~~ 109.5 Related fees. The payment of the fee for the construction, *alteration*, removal or demolition of work done in connection to or concurrently with the work or activity authorized by a permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law.

[A] ~~109-5~~ 109.6 Refunds. The applicable governing authority is authorized to establish a refund policy.

2018 International Zoning Code

SECTION 111 FEES

[A] 111.1 Fees. A fee for services shall be charged. Fees shall be set by the jurisdiction and schedules shall be available at the office of the code official.

111.2 Refunds. The code official is authorized to establish a refund policy.

Proposal # 4056

ADM33-19 Part I

ADM33-19 Part II

IECC: SECTION C104, C104.1, C104.2, C104.3, C104.4, C104.5

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org)

2018 International Energy Conservation Code

Revise as follows:

SECTION C104 FEES

C104.1 Fees- Payment of fees. A permit shall not be ~~issued valid~~ until the fees prescribed in ~~Section C104.2 by law~~ have been paid ;nor shall an amendment to a permit be released until the additional fee, if any, has been paid.

C104.2 Schedule of permit fees. ~~A Where a permit is required, a~~ fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

C104.3 Permit valuations. The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued. If, in the opinion of the code official, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the code official. Final building permit valuation shall be set by the code official.

~~C104.3~~ **C104.4 Work commencing before permit issuance.** Any person who commences any work before obtaining the necessary permits shall be subject to ~~an additional a~~ fee established by the *code official* that shall be in addition to the required permit fees.

~~C104.4~~ **C104.5 Related fees.** The payment of the fee for the construction, *alteration*, removal or demolition of work done in connection to or concurrently with the work or activity authorized by a permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law.

~~C104.5~~ **C104.6 Refunds.** The *code official* is authorized to establish a refund policy.

Proposal # 5722

ADM33-19 Part II

ADM33-19 Part III

IECC: SECTION R104, R104.1, R104.2, R104.3, R104.4, R104.5

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org)

2018 International Energy Conservation Code

Revise as follows:

SECTION R104 FEES

R104.1 Fees- Payment of fees. A permit shall not be issued until the fees prescribed in ~~Section R104.2 by law~~ have been paid, ~~nor paid~~. Nor shall an amendment to a permit be released until the additional fee, if any, has been paid.

R104.2 Schedule of permit fees. ~~A Where a permit is required, a~~ fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

R104.3 Permit valuations. ~~The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued. If, in the opinion of the code official, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the code official. Final building permit valuation shall be set by the code official.~~

~~R104.3~~ R104.4 Work commencing before permit issuance. Any person who commences any work before obtaining the necessary permits shall be subject to ~~an additional a~~ fee established by the *code official* that shall be in addition to the required permit fees.

~~R104.4~~ R104.5 Related fees. The payment of the fee for the construction, *alteration*, removal or demolition of work done in connection to or concurrently with the work or activity authorized by a permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law.

~~R104.5~~ R104.6 Refunds. The *code official* is authorized to establish a refund policy.

Proposal # 5723

ADM33-19 Part III

ADM33-19 Part IV

IGCC@: 107 (New), 107.1 (New), 107.2 (New), 107.3 (New), 107.4 (New), 107.5 (New), 107.6 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org)

2018 International Green Construction Code

Add new text as follows:

107 FEES

107.1 Payment of fees A permit shall not be valid until the fees prescribed by law have been paid, nor shall an amendment to a permit be released until the additional fee, if any, has been paid.

107.2 Schedule of permit fees Where a permit is required, a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

107.3 Permit valuations The applicant for a permit shall provide an estimated permit value at time of application. Permit valuations shall include total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. If, in the opinion of the building official, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the building official. Final building permit valuation shall be set by the building official.

107.4 Work commencing before permit issuance Any person who commences any work before obtaining the necessary permits shall be subject to a fee established by the building official that shall be in addition to the required permit fees.

107.5 Related fees The payment of the fee for the construction, alteration, removal or demolition for work done in connection to or concurrently with the work authorized by a permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed by law.

107.6 Refunds The building official is authorized to establish a refund policy.

Reason: There are two different proposals to address consistency in the Fees section – the end result would be coordination between all codes. The intent is consistency in language for 'Fees' within the codes – IBC, IFC, IEBC, IWUIC, IZC, Energy – Commercial and Residential.

- Payment of fees – consistent title, always two sentences
- Schedule of permit fees – IBC currently also includes “structures”, while IFC and IEBC also includes “alterations”. IWUIC and Energy do not include anything. Eliminate the laundry list and make all codes consistent.
- Permit valuation: added valuation to IWUIC and Energy; permits can be for other than just buildings
- Work commencing before permit issuance – remove redundant language
- Refunds – no change
- The IZC currently has a section on fees that is very limited. It was not clear what should be added other than a section on refunds.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals.”

The following is the template utilized to create this code change proposal. There may be some differences depending on the unique applications of each code – such as “building/fire/code official”.

IBC

SECTION 109FEES

[A] 109.1 Payment of fees. *A permit shall not be valid until the fees prescribed by law have been paid. Nor shall an amendment to a permit be released until the additional fee, if any, has been paid.*

[A] 109.2 Schedule of permit fees. *Where a permit is required, a fee for each permit shall be paid as required, in accordance with the schedule as established by the applicable governing authority.*

[A] 109.3 Permit valuations. The applicant for a *permit* shall provide an estimated *permit* value at time of application. *Permit* valuations shall include total value of work, including materials and labor, for which the *permit* is being issued, such as electrical, gas, mechanical, plumbing equipment and permanent systems. If, in the opinion of the *building official*, the valuation is underestimated on the application, the *permit* shall be denied, unless the applicant can show detailed estimates to meet the approval of the *building official*. Final building *permit* valuation shall be set by the *building official*.

[A] 109.4 Work commencing before permit issuance. Any person who commences any work before obtaining the necessary *permits* shall be subject to a fee established by the *building official* that shall be in addition to the required *permit* fees.

[A] 109.5 Related fees. The payment of the fee for the construction, *alteration*, removal or demolition for work done in connection to or concurrently with the work authorized by a *permit* shall not relieve the applicant or holder of the *permit* from the payment of other fees that are prescribed by law.

[A] 109.6 Refunds. The *building official* is authorized to establish a refund policy.

This proposal is submitted by the ICC Building Code Action Committee (BCAC), the ICC Fire Code Action Committee (FCAC), the ICC Sustainable and Energy and High Performance Code Action Committee (SEHPCAC).

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/codedevelopment-process/building-code-actioncommittee-bcac>.

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 2018 the Fire-CAC has held 3 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: <https://www.iccsafe.org/codes-tech-support/cs/fire-code-action-committee-fcac/>

The SEHPCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance International Codes with regard to sustainability, energy and high performance as it relates to the built environment included, but not limited to, how these criteria relate to the International Green Construction Code (IgCC) and the International Energy Conservation Code (IECC). In 2018-2019, the SEHPCAC has held five two- or three-day open meetings and numerous workgroup calls, to discuss and debate proposed changes and public comments. Attendees at the meetings and calls included members of the SEHPCAC as well as any interested parties. Related documentation and reports are posted on the SEHPCAC website at <http://www.iccsafe.org/cs/SEHPCAC/Pages/default.aspx>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change that provides consistency between I-codes.

Proposal # 5724

ADM33-19 Part IV

ADM34-19

IEBC@: 109.3.10 (New)

Proponent: Gregory Wilson, representing Federal Emergency Management Agency (gregory.wilson2@fema.dhs.gov); Rebecca Quinn, RCQuinn Consulting, on behalf of Federal Emergency Management Agency, representing Federal Emergency Management Agency (rcquinn@earthlink.net)

2018 International Existing Building Code

Add new text as follows:

109.3.10 Flood hazard documentation. Where a building is located in a flood hazard area, documentation of the elevation of the lowest floor as required in the *International Building Code* or the *International Residential Code*, as applicable, shall be submitted to the building official prior to the final inspection.

Reason: Submission of elevation documentation prior to the final inspection is required in both the IBC (Section 110.3.11.1) and IRC (Section R109.1.6.1). When a determination is made that work constitutes substantial improvement or that damage is substantial damage, buildings must be brought into compliance with the flood resistant construction requirements of IBC Section 1612 or IRC Section R322, as applicable. As with new construction, communities must require as-built elevation documentation, usually submitted on FEMA Elevation Certificates. Elevation Certificates with surveyed as-built elevations are required when property owners get flood insurance from the National Flood Insurance Program.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
The requirement is administrative, to submit documentation which is already required by communities that participate in the NFIP.

Proposal # 4450

ADM34-19

ADM35-19

IBC®: 110.3.5 (New)

Proponent: Stephen DiGiovanni, representing ICC Ad Hoc Committee on Tall Wood Buildings (TWB) (TWB@iccsafe.org)

2018 International Building Code

Add new text as follows:

110.3.5 Type IV-A, IV-B, and IV-C connection protection inspection. In buildings of Type IV-A, IV-B, and IV-C Construction, where connection fire resistance ratings are provided by wood cover calculated to meet the requirements of Section 2304.10.1, inspection of the wood cover shall be made after the cover is installed, but before any other coverings or finishes are installed.

Reason: The TWB determined that the proper construction of the fire resistance rating of mass timber structural elements was important enough, as demonstrated in a series of TWB proposals including this one, to warrant a specific requirement to inspect mass timber connections. The proposal complements the other code change submissions (e.g. Chapters, 7 “Fire and Smoke Protection Features”, 17 “Special Inspections and Tests”, and 23 “Wood”), and recognizes that building officials have the ability to inspect the protection of connections as part of the normal permit inspection process (e.g. footing and foundations, slabs, framing, etc.). The TWB, following input by code officials, did not feel this provision warranted being incorporated into Chapter 17 “Special Inspections and Tests” as this field inspection process did not require any special expertise for inspection nor tools for testing that were outside the capabilities of building officials today. However, the TWB did believe that some form of inspection should take place since the connections of the structural members, and their protection to achieve a fire resistance rating, represent a significant component to the entire design of mass timber buildings.

The Ad Hoc Committee for Tall Wood Buildings (AHC-TWB) was created by the ICC Board of Directors to explore the building science of tall wood buildings with the scope to investigate the feasibility of and take action on developing code changes for these buildings. Members of the AHC-TWB were appointed by the ICC Board of Directors. Since its creation in January, 2016, the AHC-TWB has held multiple open meetings and numerous Work Group conference calls. Related documentation and reports of the TWB are posted on the AHC-TWB website at <https://www.iccsafe.org/codes-tech-support/cs/icc-ad-hoc-committee-on-tall-wood-buildings/>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction

Since all of the code proposals related to Mass Timber products are to address new types of building construction, in theory this will not increase the cost of construction, but rather provides design options not currently provided for in the code. The committee took great care to not change the requirements of the pre-existing construction types, and our changes do not increase the cost of construction using those pre-existing construction types.

Proposal # 4362

ADM35-19

ADM36-19

IBC®: [A] 110.3.6; IEBC®: [A] 109.3.6

Proponent: Rebecca Baker, Jefferson County CO, representing the Colorado Chapter ICC (bbaker@co.jefferson.co.us)

2018 International Building Code

Revise as follows:

[A] 110.3.6 Weather-exposed balcony and walking surface waterproofing. Where balconies or other elevated walking surfaces ~~are exposed to water from direct or blowing rain, snow or irrigation~~ have weather-exposed surfaces, and the structural framing is protected by an impervious moisture barrier, all elements of the impervious moisture barrier system shall not be concealed until inspected and *approved*.

Exception: Where *special inspections* are provided in accordance with Section 1705.1.1, Item 3.

2018 International Existing Building Code

[A] 109.3.6 Weather-exposed balcony and walking surface waterproofing. Where the scope of work involves balconies or other elevated walking surfaces ~~exposed to water from direct or blowing rain, snow or irrigation~~ have weather-exposed surface s, and the structural framing is protected by an impervious moisture barrier, all elements of the impervious moisture barrier system shall not be concealed until inspected and *approved*.

Exception: Where special inspections are provided in accordance with Section 1705.1.1, Item 3, of the International Building Code.

Reason: The term irrigation was added to the 2018 and goes beyond the scope of previous editions of the code. To verify compliance, landscape irrigation plans would need to become part of the construction documents. The proposed language uses a defined term which will increase consistency and satisfy the intent.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This proposal will help standardize the application of the code.

Proposal # 4461

ADM36-19

ADM37-19 Part I

PART I — IBC®: [A] 110.6; IPC®: [A] 107.2.3; IMC®: [A] 107.2.3; IFGC®: [A] 107.2.3; IEBC®: [A] 109.6; ISPSC®: [A] 106.6; IPSDC®: [A] 107.4; IWUIC®: [A] 110.1.2.3; IFC®: [A] 107.2.2

PART II — IRC®: R109.4

Proponent: Robert DeVries, representing Self (rdevries@nuwool.com)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEES.

2018 International Building Code

Revise as follows:

[A] 110.6 Approval required. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the *building official*. The *building official*, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or notify the *permit* holder or his or her agent wherein the same fails to comply with this code. The notification shall be in writing and include specific reference to the code chapter and section number(s) in violation. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the *building official*.

2018 International Plumbing Code

[A] 107.2.3 Approval required. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the code official. The code official, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or notify the permit holder or his or her agent wherein the same fails to comply with this code. The notification shall be in writing and include specific reference to the code chapter and section number(s) in violation. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the code official.

2018 International Mechanical Code

[A] 107.2.3 Approval required. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the code official. The code official, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or notify the permit holder or his or her agent wherein the same fails to comply with this code. The notification shall be in writing and include specific reference to the code chapter and section number(s) in violation. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the code official.

2018 International Fuel Gas Code

[A] 107.2.3 Approval required. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the code official. The code official, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or notify the permit holder or his or her agent wherein the same fails to comply with this code. The notification shall be in writing and include specific reference to the code chapter and section number(s) in violation. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the code official.

2018 International Existing Building Code

[A] 109.6 Approval required. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the *code official*. The *code official*, on notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed or shall notify the permit holder or an agent of the permit holder wherein the same fails to comply with this code. The notification shall be in writing and include specific reference to the code chapter and section number(s) in violation. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the *code official*.

2018 International Swimming Pool and Spa Code

[A] 106.6 Approval required. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the code official. The code official, upon notification, shall make the requested inspection and shall either indicate the portion of the construction that is satisfactory as completed, or notify the permit holder or his or her agent wherein the same fails to comply with this ~~code.~~ The notification shall be in writing and include specific reference to the code chapter and section number(s) in violation. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the code official.

2018 International Private Sewage Disposal Code

[A] 107.4 Approval required. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval

of the code official. The code official, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or notify the permit holder or his or her agent wherein the same fails to comply with this code. The notification shall be in writing and include specific reference to the code chapter and section number(s) in violation. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the code official.

2018 International Wildland-Urban Interface Code

Revise as follows:

[A] 110.1.2.3 Approval required. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the code official. The code official, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or notify the permit holder or his or her agent wherein the same fails to comply with this code. The notification shall be in writing and include specific reference to the code chapter and section number(s) in violation. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the code official.

2018 International Fire Code

[A] 107.2.2 Approval required. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the *fire code official*. The *fire code official*, on notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or notify the permit holder or his or her agent wherein the same fails to comply with this code. The notification shall be in writing and include specific reference to the code chapter and section number(s) in violation. Any portions that do not comply shall be corrected, and such portion shall not be covered or concealed until authorized by the *fire code official*.

Proposal # 5004

ADM37-19 Part I

ADM37-19 Part II

IRC@: R109.4

Proponent: Robert DeVries, representing Self (rdevries@nuwool.com)

2018 International Residential Code

Revise as follows:

R109.4 Approval required. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the *building official*. The *building official*, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or shall notify the *permit* holder or an agent of the *permit* holder wherein the same fails to comply with this code. The notification shall include, in writing, specific reference to the code chapter and section number(s) in violation. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the *building official*.

Reason: As written there is no set method of notification. Putting the violation in writing including the chapter and section number(s) would greatly improve the permit holders understanding of the violation. This would reduce the amount of communication and time required to determine the actual violation. Having the chapter and section number(s) would give the permit holder immediate direction as to how to correct the violation.

Cost Impact: The code change proposal will not increase or decrease the cost of construction

While no cost impact was selected an argument could be made that the permit holder may save money by saving time trying to contact the building official.

Proposal # 5772

ADM37-19 Part II

ADM38-19 Part I

PART I — IBC®: SECTION 111 (New), [A] 111.1 (New), [A] 111.2 (New), [A] 111.3 (New), [A] 111.4 (New); IEBC®: SECTION 110 (New), [A] 110.1 (New), [A] 110.2 (New), [A] 110.3 (New), [A] 110.4 (New)

PART II — IRC®: SECTION R110 (New), R110.1 (New), R110.2 (New), R110.3 (New), R110.4 (New), R110.5 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Building Code

Revise as follows:

SECTION 111 CERTIFICATE OF OCCUPANCY

[A] 111.1 Change of occupancy. A building or structure shall not be used or occupied in whole or in part, and a change of occupancy of a building or structure or portion thereof shall not be made, until the *building official* has issued a certificate of occupancy therefor as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid.

Exception: Certificates of occupancy are not required for work exempt from *permits* in accordance with Section 105.2.

[A] 111.2 Certificate issued. After the *building official* inspects the building or structure and does not find violations of the provisions of this code or other laws that are enforced by the department of building safety, the *building official* shall issue a certificate of occupancy that contains the following:

1. The ~~building~~ permit number.
2. The address of the structure.
3. The name and address of the *owner* or the owner's authorized agent.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code ~~for the occupancy and division of occupancy and the use for which the proposed occupancy is classified.~~
6. The name of the *building official*.
7. The edition of the code under which the *permit* was issued.
8. The use and occupancy, in accordance with the provisions of Chapter 3.
9. The type of construction as defined in Chapter 6.
10. The design *occupant load*.
11. ~~#~~ Where an *automatic sprinkler system* is provided ~~;~~ and whether the sprinkler system is required.
12. Any special stipulations and conditions of the building *permit*.

[A] 111.3 Temporary occupancy. The *building official* is authorized to issue a temporary certificate of occupancy before the completion of the entire work covered by the *permit*, provided that such portion or portions shall be occupied safely. The *building official* shall set a time period during which the temporary certificate of occupancy is valid.

[A] 111.4 Revocation. The *building official* is authorized to, in writing, suspend or revoke a certificate of occupancy or completion issued under the provisions of this code , in writing, wherever the certificate is issued in error, or on the basis of incorrect information supplied, or where it is determined that the building or structure or portion thereof is in violation of ~~any ordinance or regulation or any of the provisions of this code or other ordinance of the jurisdiction.~~

2018 International Existing Building Code

SECTION 110 CERTIFICATE OF OCCUPANCY

[A] 110.1 Change of occupancy. ~~Altered areas of a building and relocated buildings~~ A structure shall not be used or occupied in whole or in part, and a change of occupancy of a building structure or portion thereof shall not be made until the *code official* has issued a certificate of occupancy therefor as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid.

Exception: Certificates of occupancy are not required for work exempt from permits in accordance with Section 105.2.

[A] 110.2 Certificate issued. After the *code official* inspects the building structure and does not find violations of the provisions of this code or other laws that are enforced by the ~~Department of Building Safety~~ department, the *code official* shall issue a certificate of occupancy that contains the following:

1. The ~~building~~ permit number.
2. The address of the structure.
3. The name and address of the owner or the owner's authorized agent.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code for the occupancy and division of occupancy and the use for which the proposed occupancy is classified.
6. The name of the *code official*.
7. The edition of the code under which the permit was issued.
8. The use and occupancy in accordance with the provisions of the International Building Code .
9. The type of construction as defined in the International Building Code .
10. The design occupant load and any impact the *alteration* has on the design occupant load of the area not within the scope of the work.
11. ~~If fire protection systems are provided, whether the fire protection systems are required.~~ Where an automatic sprinkler system is provided, and whether an automatic sprinkler system is required.
12. Any special stipulations and conditions of the building permit.

[A] 110.3 Temporary occupancy. The *code official* is authorized to issue a temporary certificate of occupancy before the completion of the entire work covered by the permit, provided that such portion or portions shall be occupied safely. The *code official* shall set a time period during which the temporary certificate of occupancy is valid.

[A] 110.4 Revocation. The *code official* is authorized ~~to, in writing, to~~ to suspend or revoke a certificate of occupancy or completion issued under the provisions of this code ~~, in writing,~~ wherever the certificate is issued in error or on the basis of incorrect information supplied, or where it is determined that the building or structure or portion thereof is in violation of ~~any ordinance or regulation or any of the provisions of this code~~ or other ordinance of the jurisdiction.

Proposal # 4059

ADM38-19 Part I

ADM38-19 Part II

IRC®: SECTION R110 (New), R110.1 (New), R110.2 (New), R110.3 (New), R110.4 (New), R110.5 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org)

2018 International Residential Code

Revise as follows:

SECTION R110 CERTIFICATE OF OCCUPANCY

R110.1 Use and Change of occupancy. A building or structure shall not be used or occupied in whole or in part, and a *change of occupancy* ~~or change of use~~ of a building or structure or portion thereof shall not be made, until the *building official* has issued a certificate of occupancy therefor as provided herein. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the *jurisdiction*. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the *jurisdiction* shall not be valid.

Exceptions:

1. Certificates of occupancy are not required for work exempt from permits under Section R105.2.
2. Accessory buildings or structures.

R110.2 Change in use. Changes in the character or use of an existing structure shall not be made except as specified in Sections 407 and 408 of the International Existing Building Code.

R110.3 Certificate issued. After the *building official* inspects the building or structure and does not find violations of the provisions of this code or other laws that are enforced by the department of building safety, the *building official* shall issue a certificate of occupancy containing the following:

1. The ~~building~~ *permit* number.
2. The address of the structure.
3. The name and address of the owner or the owner's authorized agent.
4. A description of that portion of the structure for which the certificate is issued.
5. A statement that the described portion of the structure has been inspected for compliance with the requirements of this code.
6. The name of the *building official*.
7. The edition of the code under which the *permit* was issued.
8. ~~If~~ *Where* an automatic sprinkler system is provided and whether the sprinkler system is required.
9. Any special stipulations and conditions of the building *permit*.

R110.4 Temporary occupancy. The *building official* is authorized to issue a temporary certificate of occupancy before the completion of the entire work covered by the *permit*, provided that such portion or portions shall be occupied safely. The *building official* shall set a time period during which the temporary certificate of occupancy is valid.

R110.5 Revocation. The *building official* ~~shall, in writing, be authorized to~~ suspend or revoke a certificate of occupancy or completion issued under the provisions of this code, in writing, wherever the certificate is issued in error, or on the basis of incorrect information supplied, or where it is determined that the building or structure or portion thereof is in violation of ~~any ordinance or regulation or any of the provisions of this code. the provisions of this code or other ordinance of the jurisdiction.~~

Reason: The intent of this proposal is to coordinate requirements in the Change of Occupancy Section.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals."

This proposal is submitted by the ICC Building Code Action Committee (BCAC). BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/codedevelopment-process/building-code-actioncommittee-bcac>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change that provides consistency between I-codes.

Proposal # 5727

ADM38-19 Part II

ADM39-19 Part I

PART I — IBC®: SECTION 112, [A] 112.1, [A] 112.2, [A] 112.3; IPC®: SECTION 108, 107.7, 107.6, 108.3; IMC®: SECTION 108, [A] 107.6, [A] 107.5, 108.3; IFGC®: SECTION 108, [A] 107.6, [A] 107.5, 108.3; IEBC®: SECTION 111, [A] 111.1, [A] 111.2, [A] 111.3; IPSDC®: SECTION 108, [A] 107.9, [A] 107.8, 108.3; IWUIC®: SECTION 113, [A] 113.1, 113.2, [A] 113.2; ISPSC®: SECTION 107, [A] 106.19, [A] 106.18, 107.3

PART II — IRC®: SECTION R111, R111.1, R111.2, R111.3

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org)

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMITTEES.

2018 International Building Code

Revise as follows:

SECTION 112 SERVICE UTILITIES

[A] 112.1 Connection of service utilities. A person shall not make connections from a utility, source of energy, fuel, ~~or power~~, water system or sewer system to any building or system that is regulated by this code for which a permit is required, until ~~released~~ approved by the building official.

[A] 112.2 Temporary connection. The building official shall have the authority to authorize the temporary connection of the building or system to the utility, source of energy, fuel, ~~or power~~, water system or power system for the purpose of testing systems or for use under a temporary approval.

[A] 112.3 Authority to disconnect service utilities. The building official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards ~~set forth in Section 101.4~~ in case of emergency where necessary to eliminate an immediate hazard to life or property or where such utility connection has been made without the approval required by Section 112.1 or 112.2. The building official shall notify the serving utility, and wherever possible the owner or the owner's authorized agent and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the owner, the owner's authorized agent or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.

2018 International Plumbing Code

SECTION 108 SERVICE UTILITIES

~~407-7~~ **108.1 Connection of service utilities.** A person shall not make connections from a utility, source of energy, fuel, power, water system or sewer system to any building or system that is regulated by this code for which a permit is required until authorized by the code official.

~~407-6~~ **108.2 Temporary connection.** The code official shall have the authority to authorize the temporary connection of the building or system to the utility, source of energy, fuel, power, water system or power system for the purpose of testing plumbing systems or for use under a temporary certificate of occupancy; approval.

108.3 Authority to disconnect service utilities. The code official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards in case of emergency where necessary to eliminate an immediate hazard to life or property or where such utility connection has been made without the approval required by Section 108.1 or 108.2. The code official shall notify the serving utility, and wherever possible the owner or the owner's authorized agent and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the owner, the owner's authorized agent or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.

2018 International Mechanical Code

SECTION 108 SERVICE UTILITIES

[A] ~~407-6~~ 108.1 Connection of service utilities. A person shall not make connections from a utility, source of energy, fuel or power to any building or system that is regulated by this code for which a permit is required, until authorized by the code official.

[A] ~~407-5~~ 108.2 Temporary connection. The code official shall have the authority to authorize the temporary connection of a mechanical the building or system to the ~~sources~~ utility, source of energy, fuel, power, water system or power system for the purpose of testing ~~mechanical~~

systems or for use under a temporary ~~certificate of occupancy~~ approval.

108.3 Authority to disconnect service utilities. The code official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards in case of emergency where necessary to eliminate an immediate hazard to life or property or where such utility connection has been made without the approval required by Section 108.1 or 108.2. The code official shall notify the serving utility, and wherever possible the owner or the owner's authorized agent and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the owner, the owner's authorized agent or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.

2018 International Fuel Gas Code

SECTION 108 **SERVICE UTILITIES**

[A] ~~107-6~~ 108.1 Connection of service utilities. A person shall not make connections from a utility, source of energy, fuel or power to any building or system that is regulated by this code for which a permit is required until authorized by the code official.

[A] ~~107-5~~ 108.2 Temporary connection. The code official shall have the authority to ~~allow~~ authorize the temporary connection of ~~an installation the building or system to the sources~~ utility, source of energy, fuel, power, water system or power system for the purpose of testing ~~the installation systems~~ or for use under a temporary ~~certificate of occupancy~~ approval.

108.3 Authority to disconnect service utilities. The code official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards in case of emergency where necessary to eliminate an immediate hazard to life or property or where such utility connection has been made without the approval required by Section 108.1 or 108.2. The code official shall notify the serving utility, and wherever possible the owner or the owner's authorized agent and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the owner, the owner's authorized agent or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.

2018 International Existing Building Code

SECTION 111 **SERVICE UTILITIES**

[A] 111.1 Connection of service utilities. A person shall not make connections from a utility, source of energy, fuel, ~~or~~ power, water system or sewer system to any building or system that is regulated by this code for which a permit is required, until *approved* by the *code official*.

[A] 111.2 Temporary connection. The *code official* shall shall have the authority to authorize the temporary connection of the building or system to the utility, source of energy, fuel, ~~or~~ power water system or power system for the purpose of testing systems or for use under a temporary approval.

[A] 111.3 Authority to disconnect service utilities. The *code official* shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards in case of emergency where necessary to eliminate an immediate hazard to life or property or where such utility connection has been made without the approval required by Section 111.1 or 111.2. The *code official* shall notify the serving utility and, wherever possible, the owner or the owner's authorized agent and the occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the owner, the owner's authorized agent or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.

2018 International Private Sewage Disposal Code

SECTION 108 **SERVICE UTILITIES**

[A] ~~107-9~~ 108.1 Connection of service utilities. No person shall make connections from a utility, source of energy, fuel or power to any building or system that is regulated by this code for which a permit is required until authorized by the code official.

[A] ~~107-8~~ 108.2 Temporary connection. The code official shall have the authority to ~~allow~~ authorize the temporary connection of ~~an installation the building or system to the sources~~ utility, source of energy, fuel, power, water system or power system for the purpose of testing ~~the installation systems~~ or for use under a temporary ~~certificate of occupancy~~ approval.

108.3 Authority to disconnect service utilities. The code official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards in case of emergency where necessary to eliminate an immediate hazard to life or property or where such utility connection has been made without the approval required by Section 108.1 or 108.2. The code official shall notify the serving utility, and wherever possible the owner or the owner's authorized agent and occupant of the building, structure

or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the owner, the owner's authorized agent or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.

2018 International Wildland-Urban Interface Code

SECTION 113 SERVICE UTILITIES

[A] 113.1 Connection of service utilities. Any person shall not make connections from a utility, source of energy, fuel, ~~or power, to water system or sewer system~~ to any building or system that is regulated by this code for which a permit is required until ~~released~~ approved by the code official.

113.2 Temporary connection. The code official shall have the authority to authorize the temporary connection of the building or system to the utility, source of energy, fuel, power, water system or power system for the purpose of testing systems or for use under a temporary approval.

[A] ~~113.2~~ 113.3 Authority to disconnect service utilities. The code official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and ~~standards set forth in Section 102.4 in standards~~ in case of emergency where necessary to eliminate an immediate hazard to life or property or where such utility connection has been made without the ~~release approval~~ required by Section ~~113.1~~ 113.1 and 113.2. The code official shall notify the serving utility and, where possible, the owner or the owner's authorized agent and the occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnection, the owner, the owner's authorized agent or the occupant of the building, structure or service system shall be notified in writing as soon as practical thereafter.

2018 International Swimming Pool and Spa Code

SECTION 107 SERVICE UTILITIES

[A] ~~106.19~~ 107.1 Connection of service utilities. A person shall not make connections from a utility, source of energy, fuel, power, water system or sewer system to any building or system that is regulated by this code for which a permit is required until authorized by the code official.

[A] ~~106.18~~ 107.2 Temporary connection. The code official shall have the authority to authorize the temporary connection of the building or system to the utility, source of energy, fuel, power, water system or power system for the purpose of testing systems or for use under a temporary approval.

107.3 Authority to disconnect service utilities. The code official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards in case of emergency where necessary to eliminate an immediate hazard to life or property or where such utility connection has been made without the approval required by Section 107.1 or 107.2. The code official shall notify the serving utility, and wherever possible the owner or the owner's authorized agent and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the owner, the owner's authorized agent or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.

Proposal # 4075

ADM39-19 Part I

ADM39-19 Part II

IRC®: SECTION R111, R111.1, R111.2, R111.3

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org)

2018 International Residential Code

Revise as follows:

SECTION R111 SERVICE UTILITIES

R111.1 Connection of service utilities. A person shall not make connections from a utility, source of energy, fuel, or power, water system or sewer system to any building or system that is regulated by this code for which a permit is required, until approved by the building official.

R111.2 Temporary connection. The building official shall have the authority to authorize the temporary connection of the building or system to the utility, source of energy, fuel or power, water system or power system for the purpose of testing systems or for use under a temporary approval.

R111.3 Authority to disconnect service utilities. The *building official* shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards ~~set forth in Section R102.4 in~~ in case of emergency where necessary to eliminate an immediate hazard to life or property or where such utility connection has been made without the approval required by Section R111.1 or R111.2. The *building official* shall notify the serving utility and where possible the owner or the owner's authorized agent and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnection, the owner, the owner's authorized agent or occupant of the building, structure or service system shall be notified in writing as soon as practical thereafter.

Reason: The main purpose of this proposal is coordination between codes for the section on connection to services – including those coming from utilities or generated on-site. Revisions for the section on temporary services is addressed in a separate proposal.

Some of the codes had service utility requirements as part of the inspection section. For consistency across codes, it is proposed to move this to a separate section. Codes have references to codes and standards throughout the document, so a reference back to the list at the beginning of Chapter 1 is not inclusive (IBC, IRC, IWUIC). The list should include all the systems – not all codes included water and sewer systems – so it is proposed to be added as it is currently in the IPC. The authority to disconnect is an important safety feature that needs to be included in all the codes that deal with service utilities. It is proposed to be added to the codes that do not include that provision.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals."

The following is the template utilized to create this code change proposal. There may be some differences depending on the unique applications of each code – such as "building/fire/code official".

IBC

SECTION 112

SERVICE UTILITIES

[A] 112.1 Connection of service utilities. A person shall not make connections from a utility, source of energy, fuel, power, water system or sewer system to any building or system that is regulated by this code for which a *permit* is required, until approved by the *building official*.

[A] 112.2 Temporary connection. The *building official* shall have the authority to authorize the temporary connection of the building or system to the utility, source of energy, fuel, power, water system or power system for the purpose of testing systems or for use under a temporary approval.

[A] 112.3 Authority to disconnect service utilities. The *building official* shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards in case of emergency where necessary to eliminate an immediate hazard to life or property or where such utility connection has been made without the approval required by Section 112.1 or 112.2. The *building official* shall notify the serving utility, and wherever possible the *owner* or the owner's authorized agent and occupant of the building,

structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the *owner*, the owner's authorized agent or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.

This proposal is submitted by the ICC Building Code Action Committee (BCAC), the ICC Fire Code Action Committee (FCAC) and the ICC Plumbing/Mechanical/Gas Code Action Committee (PMG CAC).

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/building-code-actioncommittee-bcac/>.

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 2018 the Fire-CAC has held 3 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: <https://www.iccsafe.org/codes-tech-support/cs/fire-code-action-committee-fcac/>

The PMGCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance the International Codes or portions thereof that were under the purview of the PMG CAC. In 2017-2018, the PMG CAC held one face-to-face meeting and 11 conference call meetings. Numerous interested parties attended the committee meetings and offered their input. Related documentation and reports are posted on the PMGCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/pmg-code-action-committee-pmgcac/>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change that provides consistency between I-codes.

Proposal # 5801

ADM39-19 Part II

ADM40-19 Part I

PART I — IBC®: SECTION 113, [A] 113.1, [A] 113.2, [A] 113.3, 113.4 (New); **IEBC®:** SECTION 112, [A] 112.1, [A] 112.2, [A] 112.3, 113.4 (New); **IFC®:** SECTION 109, [A] 109.1, [A] 109.2, [A] 109.3, 109.4 (New); **IWUIC®:** SECTION 106, [A] 106.1, [A] 106.2, 106.3 (New), 106.4; **IPC®:** SECTION 109, 109.1 (New), 109.1, 109.3, 109.4, SECTION 110, 109.2; **IMC®:** SECTION 109, 109.1 (New), [A] 109.1, [A] 109.1.1, 109.3 (New), 109.4, SECTION 110, [A] 109.2; **IFGC®:** SECTION 109 (IFGC), 109.1, [A] 109.1, 109.3, 109.4, SECTION 110, [A] 109.2; **ISPSC®:** SECTION 108, 108.1, [A] 108.1, 108.3, 108.4, SECTION 109, [A] 108.2; **IPMC®:** SECTION 111, 111.1, [A] 111.1, 111.3, 111.4, [A] 111.8, SECTION 112, [A] 111.2; **IPSDC®:** SECTION 109, 109.1, [A] 109.1, 109.3, 109.4, SECTION 110, [A] 109.2

PART II — IRC®: SECTION R112, R112.1, R112.2, R112.3, R112.4

PART III — IECC: SECTION C109, C109.1, C109.2, C109.3, C109.4

PART IV — IECC: SECTION R109, R109.1, R109.2, R109.3, R109.4

PART V — IGCC®: SECTION 108, 108.1, 108.2, 108.3, 108.4 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgac@iccsafe.org)

THIS IS A 5 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. PART III WILL BE HEARD BY THE IECC-COMMERCIAL CODE COMMITTEE. PART IV WILL BE HEARD BY THE IECC-RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE IGCC CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Building Code

Revise as follows:

SECTION 113 ~~BOARD MEANS OF APPEALS~~

[A] 113.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the building official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be appointed by the applicable governing authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business and shall render all decisions and findings in writing to the appellant with a duplicate copy to the building official.

[A] 113.2 Limitations on authority. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good equivalent or better form of construction is proposed. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

[A] 113.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction.

Add new text as follows:

113.4 Administration. The building official shall take immediate action in accordance with the decision of the board.

2018 International Existing Building Code

Revise as follows:

SECTION 112 ~~BOARD MEANS OF APPEALS~~

[A] 112.1 General. In order to hear and decide appeals of orders, decisions , or determinations made by the code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be appointed by the applicable governing body authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business and shall render all decisions and findings in writing to the appellant with a duplicate copy to the building official.

[A] 112.2 Limitations on authority. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply , or an equally good equivalent or better form of construction is proposed. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

[A] 112.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction.

Add new text as follows:

113.4 Administration. The code official shall take immediate action in accordance with the decision of the board.

2018 International Fire Code

Revise as follows:

SECTION 109 BOARD MEANS OF APPEALS

[A] 109.1 Board of appeals established. In order to hear and decide appeals of orders, decisions or determinations made by the fire code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be appointed by the applicable governing body authority and shall hold office at its pleasure. ~~The fire code official shall be an ex officio member of said board but shall not have a vote on any matter before the board.~~ The board shall adopt rules of procedure for conducting its business ; and shall render all decisions and findings in writing to the appellant with a duplicate copy to the fire code official.

[A] 109.2 Limitations on authority. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted hereunder thereunder have been incorrectly interpreted, the provisions of this code do not fully apply ; or an equivalent ~~method of protection or safety~~ or better form of construction is proposed. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

[A] 109.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training to pass on matters pertaining to hazards of fire, explosions, hazardous conditions or *fire protection systems*, and are not employees of the jurisdiction.

Add new text as follows:

109.4 Administration. The fire code official shall take immediate action in accordance with the decision of the board.

2018 International Wildland-Urban Interface Code

Revise as follows:

SECTION 106 MEANS OF APPEALS

[A] 106.1 General. ~~To determine the suitability of alternative materials and methods and to provide for reasonable interpretations of the provisions in order to hear and decide appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code, there shall be and is hereby is created a board of appeals consisting of five members who are qualified by experience and training to pass judgment on pertinent matters. The code official, building official and fire chief shall be ex officio members, and the code official shall act as secretary of the board. The appeals. The board of appeals shall be appointed by the legislative body applicable governing authority and shall hold office at their discretion its pleasure. The board shall adopt reasonable rules and regulations of procedure for conducting its investigations business and shall render all decisions and findings in writing to the code official, appellant with a duplicate copy to the applicant code official.~~

[A] 106.2 Limitations of authority. ~~The board of appeals shall not have authority relative to interpretation of the administrative provisions of this code and An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equivalent or better form of construction is proposed. The board shall not have authority to waive requirements of this code or interpret the administration of this code.~~

Add new text as follows:

106.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training and are not employees of the jurisdiction.

Revise as follows:

106.4 Administration. The code official shall take immediate action in accordance with the decision of the board.

2018 International Plumbing Code

SECTION 109 MEANS OF APPEAL APPEALS

Add new text as follows:

109.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be appointed by the applicable governing authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business and shall render all

decisions and findings in writing to the appellant with a duplicate copy to the code official.

Revise as follows:

~~109.1 109.2 Application for appeal. Limitations on authority. Any person shall have the right to appeal a decision of the code official to the board of appeals. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equally good equivalent or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served. board shall not have authority to waive requirements of this code or interpret the administration of this code.~~

109.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training and are not employees of the jurisdiction.

109.4 Administration. The code official shall take immediate action in accordance with the decision of the board.

SECTION 110 **BOARD OF APPEALS**

~~109.2 110.1 Membership of board. The board of appeals shall consist of five members appointed by the chief appointing authority as follows: one for 5 years, one for 4 years, one for 3 years, one for 2 years and one for 1 year. Thereafter, each new member shall serve for 5 years or until a successor has been appointed.~~

2018 International Mechanical Code

SECTION 109 **MEANS OF APPEAL APPEALS**

Add new text as follows:

109.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be appointed by the applicable governing authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business and shall render all decisions and findings in writing to the appellant with a duplicate copy to the code official.

Revise as follows:

~~[A] 109.1 109.2 Application for appeal. Limitations on authority. A person shall have the right to appeal a decision of the code official to the board of appeals. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or an equally good equivalent or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served. board shall not have authority to waive requirements of this code or interpret the administration of this code.~~

Delete without substitution:

~~[A] 109.1.1 Limitation of authority. The board of appeals shall not have authority relative to interpretation of the administration of this code nor shall such board be empowered to waive requirements of this code.~~

Add new text as follows:

109.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training and are not employees of the jurisdiction.

Revise as follows:

109.4 Administration. The code official shall take immediate action in accordance with the decision of the board.

SECTION 110 **BOARD OF APPEALS**

~~[A] 109.2 110.1 Membership of board. The board of appeals shall consist of five members appointed by the chief appointing authority as follows: one for 5 years; one for 4 years; one for 3 years; one for 2 years; and one for 1 year. Thereafter, each new member shall serve for 5 years or until a successor has been appointed.~~

2018 International Fuel Gas Code

SECTION 109 (IFGC) MEANS OF APPEAL

109.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be appointed by the applicable governing authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business and shall render all decisions and findings in writing to the appellant with a duplicate copy to the code official.

[A] ~~109.1~~ 109.2 Application for appeal. Limitations on authority. A person shall have the right to appeal a decision of the code official to the board of appeals. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good equivalent or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served. board shall not have authority to waive requirements of this code or interpret the administration of this code.

109.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training and are not employees of the jurisdiction.

109.4 Administration. The code official shall take immediate action in accordance with the decision of the board.

SECTION 110 BOARD OF APPEALS

[A] ~~109.2~~ 110.1 Membership of board. The board of appeals shall consist of five members appointed by the chief appointing authority as follows: one for 5 years; one for 4 years; one for 3 years; one for 2 years and one for 1 year. Thereafter, each new member shall serve for 5 years or until a successor has been appointed.

2018 International Swimming Pool and Spa Code

SECTION 108 MEANS OF APPEAL

108.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be appointed by the applicable governing authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business and shall render all decisions and findings in writing to the appellant with a duplicate copy to the code official.

[A] ~~108.1~~ 108.2 Application for appeal. Limitations on authority. Any person shall have the right to appeal a decision of the code official to the board of appeals. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted there under thereunder have been incorrectly interpreted, the provisions of this code do not fully apply ,or an equally good equivalent or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served. board shall not have authority to waive requirements of this code or interpret the administration of this code.

108.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training and are not employees of the jurisdiction.

108.4 Administration. The code official shall take immediate action in accordance with the decision of the board.

SECTION 109 BOARD OF APPEALS

[A] ~~108.2~~ 109.1 Membership of board. The board of appeals shall consist of five members appointed by the chief appointing authority as follows: one for 5 years, one for 4 years, one for 3 years, one for 2 years and one for 1 year. Thereafter, each new member shall serve for 5 years or until a successor has been appointed.

2018 International Property Maintenance Code

SECTION 111 MEANS OF APPEAL

111.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be appointed by the applicable governing authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business and shall render all decisions and findings in writing to the appellant with a duplicate copy to the code official.

~~[A] 111.1 111.2 Application for appeal. Limitations on authority. Any person directly affected by a decision of the code official or a notice or order issued under this code shall have the right to appeal to the board of appeals, provided that a written application for appeal is filed within 20 days after the day the decision, notice or order was served. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply, or the or an equivalent or better form of construction is proposed. The board shall not have authority to waive requirements of this code are adequately satisfied by other means, or interpret the administration of this code.~~

111.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training and are not employees of the jurisdiction.

111.4 Administration. The code official shall take immediate action in accordance with the decision of the board.

~~[A] 111.8 111.5 Stays of enforcement.~~ Appeals of notice and orders (other than *Imminent Danger* notices) shall stay the enforcement of the notice and order until the appeal is heard by the appeals board.

SECTION 112 **BOARD OF APPEALS**

~~[A] 111.2 112.1 Membership of board.~~ The board of appeals shall consist of not less than three members who are qualified by experience and training to pass on matters pertaining to property maintenance and who are not employees of the jurisdiction. The *code official* shall be an ex-officio member but shall not vote on any matter before the board. The board shall be appointed by the chief appointing authority, and shall serve staggered and overlapping terms.

2018 International Private Sewage Disposal Code

SECTION 109 **MEANS OF APPEAL**

109.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be appointed by the applicable governing authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business and shall render all decisions and findings in writing to the appellant with a duplicate copy to the code official.

~~[A] 109.1 109.2 Application for appeal. Limitations on authority.~~ Any person shall have the right to appeal a decision of the code official to the board of appeals. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder has have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good equivalent or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served. board shall not have authority to waive requirements of this code or interpret the administration of this code.

109.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training and are not employees of the jurisdiction.

109.4 Administration The code official shall take immediate action in accordance with the decision of the board.

SECTION 110 **BOARDS OF APPEALS**

~~[A] 109.2 110.1 Membership of board.~~ The board of appeals shall consist of five members appointed by the chief appointing authority as follows: one for 5 years, one for 4 years, one for 3 years, one for 2 years and one for 1 year. Thereafter, each new member shall serve for 5 years or until a successor has been appointed.

Proposal # 4067

ADM40-19 Part I

ADM40-19 Part II

IRC@: SECTION R112, R112.1, R112.2, R112.3, R112.4

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Residential Code

Revise as follows:

SECTION R112 ~~BOARD MEANS OF APPEALS~~

R112.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the building official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The ~~building official shall be an ex officio member of said board but shall not have a vote on any matter before the board.~~ The board of appeals shall be appointed by the applicable governing body authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business ; and shall render all decisions and findings in writing to the appellant with a duplicate copy to the building official.

R112.2 Limitations on authority. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good equivalent or better form of construction is proposed. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

R112.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training to pass judgement on matters pertaining to building construction and are not employees of the *jurisdiction*.

R112.4 Administration. The *building official* shall take immediate action in accordance with the decision of the board.

Proposal # 5733

ADM40-19 Part II

ADM40-19 Part III

IECC: SECTION C109, C109.1, C109.2, C109.3, C109.4

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Energy Conservation Code

Revise as follows:

SECTION C109 ~~BOARD MEANS OF APPEALS~~

C109.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. ~~The code official shall be an ex officio member of said board but shall not have a vote on any matter before the board.~~ The board of appeals shall be appointed by the applicable governing body authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business ; and shall render all decisions and findings in writing to the appellant with a duplicate copy to the code official.

C109.2 Limitations on authority. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good equivalent or better form of construction is proposed. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

C109.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training and are not employees of the jurisdiction.

C109.4 Administration. The code official shall take immediate action in accordance with the decision of the board.

Proposal # 5734

ADM40-19 Part III

ADM40-19 Part IV

IECC: SECTION R109, R109.1, R109.2, R109.3, R109.4

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Energy Conservation Code

Revise as follows:

SECTION R109 ~~BOARD MEANS OF APPEALS~~

R109.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. ~~The code official shall be an ex officio member of said board but shall not have a vote on any matter before the board.~~ The board of appeals shall be appointed by the applicable governing body authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business ; and shall render all decisions and findings in writing to the appellant with a duplicate copy to the code official.

R109.2 Limitations on authority. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good equivalent or better form of construction is proposed. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

R109.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training and are not employees of the jurisdiction.

Revise as follows:

R109.4 Administration. The code official shall take immediate action in accordance with the decision of the board.

Proposal # 5735

ADM40-19 Part IV

ADM40-19 Part V

IGCC@: SECTION 108, 108.1, 108.2, 108.3, 108.4 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Green Construction Code

Revise as follows:

SECTION 108 ~~BOARD MEANS OF APPEALS~~

108.1 General. ~~Appeals~~In order to hear and decide appeals of orders, decisions or determinations made by the authority having jurisdiction relative to the application and interpretation of this code, ~~there shall be made to a Board of Appeals as determined by the and is hereby created a board of appeals.~~ The board of appeals shall be appointed by the applicable governing authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business, and shall render all decisions and findings in writing to the appellant with a duplicate copy to the authority having jurisdiction.

108.2 Limitations on authority. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted there under have been incorrectly interpreted, the provisions of this code do not fully apply or an equivalent or better form of construction is proposed. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

108.3 Qualifications. ~~The members of the board of appeals related to interpretation of this code shall be~~ shall consist of members who are qualified by experience and training in the matters covered by this code and shall not be to pass on matters pertaining to building construction and are not employees of the jurisdiction.

Add new text as follows:

108.4 Administration The authority having jurisdiction shall take immediate action in accordance with the decision of the board.

Reason: The intent is to establish consistent language for the means of appeal throughout the code. The constitution of the board of appeals will be addressed in another change. There is some slight difference in the fire code in the section on limitations on authority and qualification where some differences given the scope of the code are appropriate to remain. The IPMC includes an additional section for stays of enforcement. The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals."

The following is the template utilized to create this code change proposal. There may be some differences depending on the unique applications of each code – such as "building/fire/code official".

SECTION 113

MEANS OF APPEALS

[A] 113.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the *code official* relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. The board of appeals shall be appointed by the applicable governing authority and shall hold office at its pleasure. The board shall adopt rules of procedure for conducting its business and shall render all decisions and findings in writing to the appellant with a duplicate copy to the *code official*.

[A] 113.2 Limitations on authority. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equivalent or better form of construction is proposed. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

[A] 113.3 Qualifications. The board of appeals shall consist of members who are qualified by experience and training and are not employees of the jurisdiction.

[A] 113.4 Administration. The *code official* shall take immediate action in accordance with the decision of the board.

This proposal is submitted by the ICC Building Code Action Committee (BCAC), the ICC Fire Code Action Committee (FCAC), the ICC Sustainable, Energy and High Performance Code Action Committee (SEHPCAC) and the ICC Plumbing/Mechanical/Gas Code Action Committee (PMG CAC).

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/building-code-actioncommittee-bcac>.

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 2018 the Fire-CAC has held 3 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: <https://www.iccsafe.org/codes-tech-support/cs/fire-code-action-committee-fcac/>

The SEHPCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance International Codes with regard to sustainability, energy and high performance as it relates to the built environment included, but not limited to, how these criteria relate to the International Green Construction Code (IgCC) and the International Energy Conservation Code (IECC). In 2018-2019, the SEHPCAC has held five two- or three-day open meetings and numerous workgroup calls, to discuss and debate proposed changes and public comments. Attendees at the meetings and calls included members of the SEHPCAC as well as any interested parties. Related documentation and reports are posted on the SEHPCAC website at <http://www.iccsafe.org/cs/SEHPCAC/Pages/default.aspx>.

The PMG CAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance the International Codes or portions thereof that were under the purview of the PMG CAC. In 2017-2018, the PMG CAC held one face-to-face meeting and 11 conference call meetings. Numerous interested parties attended the committee meetings and offered their input. Related documentation and reports are posted on the PMGCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/pmg-code-action-committee-pmgcac>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial proposal with no change to construction requirements.

Proposal # 5737

ADM40-19 Part V

ADM41-19 Part I

PART I — IBC®: SECTION 115, [A] 115.1, [A] 115.2, 115.3, [A] 115.3; IFC®: SECTION 112, [A] 112.1, [A] 112.2, [A] 112.3, [A] 112.4; IPC®: SECTION 108, 108.5, SECTION 109 (New), 109.1 (New), 109.2 (New), 109.3 (New), 109.4 (New); IMC®: SECTION 108, [A] 108.5, SECTION 109 (New), 109.1 (New), 109.2 (New), 109.3 (New), 109.4 (New); IFGC®: SECTION 108 (IFGC), [A] 108.5, SECTION 109 (New), 109.1 (New), 109.2 (New), 109.3 (New), 109.4 (New); IEBC®: SECTION 114, [A] 114.1, [A] 114.2, 114.3 (New), [A] 114.3; ISPSC®: SECTION 107, [A] 107.5, SECTION 108 (New), 108.1 (New), 108.2 (New), 108.3 (New), 108.4 (New); IPMC®: SECTION 112, [A] 112.1, [A] 112.2, [A] 112.3, [A] 112.4; IPSDC®: SECTION 108, [A] 108.5, 109 (New), 109.1 (New), 109.2 (New), 109.3 (New), 109.4 (New); IWUIC®: SECTION 114, [A] 114.1, [A] 114.2, [A] 114.3, [A] 114.4

PART II — IRC®: SECTION R114, R114.1, R114.2, R114.3 (New),

PART III — IECC: SECTION C108, C108.1, C108.2, C108.3, C108.4

PART IV — IECC: SECTION R108, R108.1, R108.2, R108.3, R108.4

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

THIS IS A 4 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. PART III WILL BE HEARD BY THE IECC-COMMERCIAL CODE COMMITTEE. PART IV WILL BE HEARD BY THE IECC-RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Building Code

Revise as follows:

SECTION 115 STOP WORK ORDER

[A] 115.1 Authority. Where the *building official* finds any work regulated by this code being performed in a manner ~~either~~ contrary to the provisions of this code or in a dangerous or unsafe manner, the *building official* is authorized to issue a stop work order.

[A] 115.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property ~~involved~~, the owner's authorized agent or the person performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work ~~will be permitted~~ is authorized to resume.

115.3 Emergencies. Where an emergency exists, the building official shall not be required to give a written notice prior to stopping the work.

~~**[A] 115.3 115.4 Unlawful continuance. Failure to comply.**~~ Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to ~~penalties as prescribed by law.~~ finest established by the authority having jurisdiction.

2018 International Fire Code

SECTION 112 STOP WORK ORDER

[A] 112.1 ~~Order.~~ Authority. Where the *fire code official* finds any work regulated by this code being performed in a manner contrary to the provisions of this code, or in a dangerous or unsafe manner, the *fire code official* is authorized to issue a stop work order.

[A] 112.2 Issuance. ~~A~~ The stop work order shall be in writing and shall be given to the owner of the property, ~~or to~~ the owner's authorized agent, ~~or~~ to the person ~~doing~~ performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order, ~~and~~ the conditions under which the cited work is authorized to resume.

[A] 112.3 Emergencies. Where an emergency exists, the fire code official shall not be required to give a written notice prior to stopping the work.

[A] 112.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be ~~liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.~~ subject to fines established by the authority having jurisdiction.

2018 International Plumbing Code

SECTION 108 VIOLATIONS

Delete without substitution:

~~**108.5 Stop work orders.** Upon notice from the code official, work on any plumbing system that is being performed contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's authorized agent, or to the person performing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.~~

Add new text as follows:

SECTION 109 **STOP WORK ORDER**

109.1 Authority. Where the code official finds any work regulated by this code being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, the code official is authorized to issue a stop work order.

109.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property, the owner's authorized agent or the person performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work is authorized to resume.

109.3 Emergencies. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work.

109.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to fines established by the authority having jurisdiction.

2018 International Mechanical Code

Revise as follows:

SECTION 108 **VIOLATIONS**

Delete without substitution:

~~**[A] 108.5 Stop work orders.** Upon notice from the code official that mechanical work is being performed contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's authorized agent, or to the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.~~

Add new text as follows:

SECTION 109 **STOP WORK ORDER**

109.1 Authority. Where the code official finds any work regulated by this code being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, the code official is authorized to issue a stop work order.

109.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property, the owner's authorized agent or the person performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work is authorized to resume.

109.3 Emergencies. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work.

109.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to fines established by the authority having jurisdiction.

2018 International Fuel Gas Code

Revise as follows:

SECTION 108 (IFGC) **VIOLATIONS**

Delete without substitution:

~~[A] 108.5 Stop work orders.~~ Upon notice from the code official that work is being performed contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, the owner's authorized agent, or the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.

Add new text as follows:

SECTION 109 **STOP WORK ORDER**

109.1 Authority. Where the code official finds any work regulated by this code being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, the code official is authorized to issue a stop work order.

109.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property, the owner's authorized agent or the person performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work is authorized to resume.

109.3 Emergencies. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work.

109.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to fines established by the authority having jurisdiction.

2018 International Existing Building Code

Revise as follows:

SECTION 114 **STOP WORK ORDER**

[A] 114.1 Authority. Where the code official finds any work regulated by this code being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, the code official is authorized to issue a stop work order.

[A] 114.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property involved, the owner's authorized agent or to the person doing performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work will be permitted is authorized to resume.

Add new text as follows:

114.3 Emergencies. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work.

Revise as follows:

~~[A] 114.3~~ **114.4 Unlawful continuance. Failure to comply.** Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to penalties as prescribed by law. fines established by the authority having jurisdiction.

2018 International Swimming Pool and Spa Code

SECTION 107 **VIOLATIONS**

Delete without substitution:

~~[A] 107.5 Stop work orders.~~ Upon notice from the code official, work on any system that is being performed contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, or to the owner's authorized agent, or to the person performing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.

Add new text as follows:

SECTION 108

STOP WORK ORDER

108.1 Authority. Where the code official finds any work regulated by this code being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, the code official is authorized to issue a stop work order.

108.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property, the owner's authorized agent or the person performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work is authorized to resume.

108.3 Emergencies. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work.

108.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to fines established by the authority having jurisdiction.

2018 International Property Maintenance Code

Revise as follows:

SECTION 112

STOP WORK ORDER

[A] 112.1 Authority. ~~Whenever~~ Where the code official finds any work regulated by this code being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, the code official is authorized to issue a stop work order.

[A] 112.2 Issuance. ~~A-~~The stop work order shall be in writing and shall be given to the owner of the property, ~~to the owner's authorized agent, or to the person doing performing the work.~~ Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work is authorized to resume.

[A] 112.3 Emergencies. Where an emergency exists, the *code official* shall not be required to give a written notice prior to stopping the work.

[A] 112.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be ~~liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.~~ subject to fines established by the authority having jurisdiction.

2018 International Private Sewage Disposal Code

SECTION 108

VIOLATIONS

Delete without substitution:

[A] 108.5 Stop work orders. Upon notice from the code official, work on any *private sewage disposal system* that is being performed contrary to the provisions of this code or in a dangerous or unsafe manner shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, to the owner's authorized agent or to the person performing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars.

Add new text as follows:

109

STOP WORK ORDER

109.1 Authority. Where the code official finds any work regulated by this code being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, the code official is authorized to issue a stop work order.

109.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property, the owner's authorized agent or the person performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work is authorized to resume.

109.3 Emergencies. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work.

109.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to fines established by the authority having jurisdiction.

2018 International Wildland-Urban Interface Code

Revise as follows:

SECTION 114 STOP WORK ORDER

[A] 114.1 Authority. Where the code official finds any work regulated by this code being performed in a manner ~~either~~ contrary to the provisions of this code or in a dangerous or unsafe manner, the code official is authorized to issue a stop work order.

[A] 114.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property ~~involved~~, to the owner's authorized agent or ~~to the person doing performing~~ the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work ~~will be permitted~~ is authorized to resume.

[A] 114.3 Emergencies. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work.

[A] 114.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be ~~liable to a fine of not less than [AMOUNT] dollars or more than [AMOUNT] dollars~~ subject to fines established by the authority having jurisdiction.

Proposal # 4060

ADM41-19 Part I

ADM41-19 Part II

IRC@: SECTION R114, R114.1, R114.2, R114.3 (New),

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Residential Code

Revise as follows:

SECTION R114 STOP WORK ORDER

R114.1 ~~Notice to owner or the owner's authorized agent.~~ Authority. ~~Upon notice from~~ Where the building official that work on any building or structure is being executed finds any work regulated by this code being performed in a manner contrary to the provisions of this code or in an a dangerous or unsafe and dangerous manner, such work shall be immediately stopped. The stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's authorized agent or to the person performing the work and shall state the conditions under which work will be permitted to resume. the building official is authorized to issue a stop work order.

R114.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property, the owner's authorized agent or the person performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work is authorized to resume.

Add new text as follows:

R114.3 Emergencies. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work.

Revise as follows:

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~~R114.2 R114.3 Unlawful continuance.~~ Failure to comply. Any person who shall continue any work in or about the structure after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to penalties as prescribed by law. fines established by the authority having jurisdiction.

Proposal # 5728

ADM41-19 Part II

ADM41-19 Part III

IECC: SECTION C108, C108.1, C108.2, C108.3, C108.4

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Energy Conservation Code

Revise as follows:

SECTION C108 STOP WORK ORDER

C108.1 Authority. Where the code official finds any work regulated by this code being performed in a manner ~~either~~ contrary to the provisions of this code or in a dangerous or unsafe manner, the code official is authorized to issue a stop work order.

C108.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property ~~involved~~, the owner's authorized agent ~~or to the person doing performing~~ the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work ~~will be permitted~~ is authorized to resume.

C108.3 Emergencies. Where an emergency exists, the *code official* shall not be required to give a written notice prior to stopping the work.

C108.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be ~~liable to a fine as set by the applicable governing authority~~ subject to fines established by the authority having jurisdiction.

Proposal # 5729

ADM41-19 Part III

ADM41-19 Part IV

IECC: SECTION R108, R108.1, R108.2, R108.3, R108.4

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Energy Conservation Code

Revise as follows:

SECTION R108 STOP WORK ORDER

R108.1 Authority. Where the code official finds any work regulated by this code being performed in a manner ~~either~~ contrary to the provisions of this code or in a dangerous or unsafe manner, the code official is authorized to issue a stop work order.

R108.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property ~~involved~~, to the owner's authorized agent, or to the person ~~doing~~ performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work ~~will be permitted~~ is authorized to resume.

R108.3 Emergencies. Where an emergency exists, the *code official* shall not be required to give a written notice prior to stopping the work.

R108.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to ~~a fine as set~~ finest established by the ~~applicable governing authority~~ authority having jurisdiction.

Reason: The intent of this proposal is consistency in the Stop Work Order section. Some of the codes have the stop work order buried under the violation section. For consistency it should be its own section. The amount of fees should be removed from the stop work order section so that jurisdictions could update their fee schedule as appropriate and not be associated only with code adoptions. This also addressed the different ways that fees are set.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals."

The following is the template utilized to create this code change proposal. There may be some differences depending on the unique applications of each code – such as "building/fire/code official".

SECTION 109

STOP WORK ORDER

[A] 109.1 Authority. Where the code official finds any work regulated by this code being performed in a manner contrary to the provisions of this code or in a dangerous or unsafe manner, the code official is authorized to issue a stop work order.

[A] 109.2 Issuance. The stop work order shall be in writing and shall be given to the owner of the property, the owner's authorized agent or the person performing the work. Upon issuance of a stop work order, the cited work shall immediately cease. The stop work order shall state the reason for the order and the conditions under which the cited work is authorized to resume.

[A] 109.3 Emergencies. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work.

[A] 109.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to fines established by the authority having jurisdiction.

This proposal is submitted by the ICC Building Code Action Committee (BCAC), the ICC Fire Code Action Committee (FCAC), the ICC Sustainable, Energy and High Performance Code Action Committee (SEHPCAC) and the ICC Plumbing/Mechanical/Gas Code Action Committee (PMG CAC).

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the

proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/building-code-actioncommittee-bcac>.

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 2018 the Fire-CAC has held 3 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: <https://www.iccsafe.org/codes-tech-support/cs/fire-code-action-committee-fcac/>

The SEHPCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance International Codes with regard to sustainability, energy and high performance as it relates to the built environment included, but not limited to, how these criteria relate to the International Green Construction Code (IgCC) and the International Energy Conservation Code (IECC). In 2018-2019, the SEHPCAC has held five two- or three-day open meetings and numerous workgroup calls, to discuss and debate proposed changes and public comments. Attendees at the meetings and calls included members of the SEHPCAC as well as any interested parties. Related documentation and reports are posted on the SEHPCAC website at <http://www.iccsafe.org/cs/SEHPCAC/Pages/default.aspx>.

The PMG CAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance the International Codes or portions thereof that were under the purview of the PMG CAC. In 2017-2018, the PMG CAC held one face-to-face meeting and 11 conference call meetings. Numerous interested parties attended the committee meetings and offered their input. Related documentation and reports are posted on the PMGCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/pmg-code-action-committee-pmgcac>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change that provides consistency between I-codes.

Proposal # 5730

ADM41-19 Part IV

ADM42-19

IBC®: SECTION 116, [A] 116.1, [A] 116.2, [A] 116.3, [A] 116.4, [A] 116.5; IFC®: SECTION 111, [A] 111.1, [A] 111.1.1, [A] 111.1.2, [A] 111.2, [A] 111.3, [A] 111.4, [A] 111.5 (New); IEBC®: SECTION 115, [A] 115.1, [A] 115.2, [A] 115.3, [A] 115.4, [A] 115.5; IPMC®: SECTION 108, 108.1, 108.1.1, 108.1.2, 108.1.3, 108.1.4, 108.1.5, 108.2, 108.2.1, 108.7, SECTION 107, 107.1, 107.2, 107.3, 107.4, 107.5, 107.6, 108.3, 108.4, 108.4.1, 108.5, 108.6

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgcac@iccsafe.org)

2018 International Building Code

Revise as follows:

SECTION 116 UNSAFE STRUCTURES AND EQUIPMENT

[A] 116.1 ~~Conditions.~~ Unsafe conditions. Structures or existing equipment that are or hereafter become unsafe, insanitary or deficient because of inadequate *means of egress* facilities, inadequate light and ventilation, or that constitute a fire hazard, or are otherwise dangerous to human life or the public welfare, or that involve illegal or improper occupancy or inadequate maintenance, shall be deemed an unsafe condition. Unsafe structures shall be taken down and removed or made safe, as the *building official* deems necessary and as provided for in this section. A vacant structure that is not secured against unauthorized entry shall be deemed unsafe.

[A] 116.2 Record. The *building official* shall cause a report to be filed on an unsafe condition. The report shall state the occupancy of the structure and the nature of the unsafe condition.

[A] 116.3 Notice. If an unsafe condition is found, the *building official* shall serve on the ~~owner, agent or person in control~~ of the structure or the owner's authorized agent, a written notice that describes the condition deemed unsafe and specifies the required repairs or improvements to be made to abate the unsafe condition, or that requires the unsafe structure to be demolished within a stipulated time. Such notice shall require the person thus notified to declare immediately to the *building official* acceptance or rejection of the terms of the order.

[A] 116.4 Method of service. Such notice shall be deemed properly served ~~# where~~ a copy thereof is served in accordance with one of the following methods:

1. A copy is delivered to the *owner* personally;
2. A copy is sent by certified or registered mail addressed to the *owner* at the last known address with the return receipt requested; ~~or~~
3. A copy is delivered in any other manner as prescribed by local law.

If the certified or registered letter is returned showing that the letter was not delivered, a copy thereof shall be posted in a conspicuous place in or about the structure affected by such notice. Service of such notice in the foregoing manner on the owner's authorized agent ~~or on the person responsible for the structure~~ shall constitute service of notice on the *owner*.

[A] 116.5 Restoration or Abatement. Where the structure or equipment determined to be unsafe by the *building official* is restored to a safe condition, ~~to~~ The owner, the owner's authorized agent, operator or occupant of a structure, premises or equipment deemed unsafe by the code official shall abate or cause to be abated or corrected such unsafe conditions either by repair, rehabilitation, demolition or other approved corrective action. To the extent that repairs, *alterations* or *additions* are made or a change of occupancy occurs during the restoration of the structure, such *repairs, alterations, additions* and change of occupancy shall comply with the requirements of the International Existing Building Code .

2018 International Fire Code

SECTION 111 UNSAFE BUILDINGS STRUCTURE OR EQUIPMENT

[A] 111.1 General. If during the inspection of a premises, a ~~building or~~ structure, or any building system, in whole or in part, constitutes a clear and inimical threat to human life, safety or health, the *fire code official* shall issue such notice or orders to remove or remedy the conditions as shall be deemed necessary in accordance with this section, and shall refer the building to the building-structure or equipment department for any repairs, *alterations*, remodeling, removing or demolition required.

[A] 111.1.1 Unsafe conditions. Structures or existing equipment that are or hereafter become unsafe, insanitary or deficient because of inadequate *means of egress*, inadequate light and ventilation, that constitute a fire hazard, are otherwise dangerous to human life or the public welfare, or involve illegal or improper occupancy or inadequate maintenance, shall be deemed an unsafe condition. Unsafe structures shall be taken down and removed or made safe, as the fire code official deems necessary and as provided for in this section. A vacant structure that is not secured against unauthorized entry ~~as required by Section 311~~ shall be deemed unsafe.

[A] 111.1.2 Structural hazards. Where an apparent structural hazard is caused by the faulty installation, operation or malfunction of any of the

items or devices governed by this code, the *fire code official* shall immediately notify the building code official in accordance with Section 110.1.

[A] 111.2 Evacuation. The *fire code official* or the fire department official in charge of an incident shall be authorized to order the immediate evacuation of any occupied ~~building structure~~ deemed unsafe where such ~~building structure~~ has hazardous conditions that present imminent danger to ~~building structure~~ occupants. Persons so notified shall immediately leave the structure or premises and shall not enter or re-enter until authorized to do so by the *fire code official* or the fire department official in charge of the incident.

[A] 111.3 Record. The fire code official shall cause a report to be filed on an unsafe condition. The report shall state the occupancy of the structure and the nature of the unsafe condition.

[A] 111.4 Notice. If an unsafe condition is found, the fire code official shall serve on the owner of the structure or, the owner's authorized agent a written notice that describes the condition deemed unsafe and specifies the required repairs or improvements to be made to abate the unsafe condition, or that requires the unsafe building to be demolished within a stipulated time. Such notice shall require the person thus notified to declare immediately to the code official acceptance or rejection of the terms of the order.

Add new text as follows:

[A] 111.5 Method of service. Such notice shall be deemed properly served if where a copy thereof is served in accordance with one of the following methods:

1. A copy is delivered to the owner personally.
2. A copy is sent by certified or registered mail addressed to the owner at the last known address with the return receipt requested.
3. A copy is delivered in any other manner as prescribed by local law.

If the certified or registered letter is returned showing that the letter was not delivered, a copy thereof shall be posted in a conspicuous place in or about the structure affected by such notice. Service of such notice in the foregoing manner upon the owner's authorized agent shall constitute service of notice upon the owner.

Revise as follows:

[A] ~~111.4~~ 111.6 Abatement. Restoration of abatement. The structure or equipment determined to be unsafe by the fire code official is permitted to be restored to a safe condition. The owner, the owner's authorized agent, operator or occupant of a ~~building structure~~, or premises ~~equipment~~ deemed unsafe by the *fire code official* shall abate or cause to be abated or corrected such unsafe conditions either by repair, rehabilitation, demolition or other *approved* corrective action. ~~To the extent that repairs, alterations, or additions are made or a change of occupancy occurs during the restoration of the structure, such repairs, alterations, additions, or change of occupancy shall comply with the requirements of Section 105.1.5 and the International Existing Building Code.~~

[A] ~~111.3~~ 111.7 Summary abatement. Where conditions exist that are deemed hazardous to life and property, the *fire code official* or fire department official in charge of the incident is authorized to abate summarily such hazardous conditions that are in violation of this code.

2018 International Existing Building Code

SECTION 115 UNSAFE BUILDINGS-STRUCTURES AND EQUIPMENT

[A] 115.1 ~~Conditions. Unsafe conditions.~~ Buildings, ~~structures~~ Structures or existing equipment that are or hereafter become *unsafe*, insanitary or deficient because of inadequate means of egress facilities, inadequate light and ventilation, or that constitute a fire hazard, or are otherwise dangerous to human life or the public welfare, or that involve illegal or improper occupancy or inadequate maintenance, shall be deemed an unsafe condition. Unsafe structures shall be taken down ~~and~~ removed or made safe as the *code official* deems necessary and as provided for in this code. A vacant structure that is not secured against unauthorized entry shall be deemed unsafe.

[A] 115.2 Record. The *code official* shall cause a report to be filed on an unsafe condition. The report shall state the occupancy of the structure and the nature of the *unsafe* condition.

[A] 115.3 Notice. If an *unsafe* condition is found, the *code official* shall serve on the owner ~~or of the structure or the~~ owner's authorized agent ~~or person in control of the structure~~ a written notice that describes the condition deemed *unsafe* and specifies the required *repairs* or improvements to be made to abate the *unsafe* condition, or that requires the *unsafe* building to be demolished within a stipulated time. Such notice shall require the person thus notified to declare immediately to the *code official* acceptance or rejection of the terms of the order.

[A] 115.4 Method of service. Such notice shall be deemed properly served ~~if~~ where a copy thereof is served in accordance with one of the following methods:

1. A copy is delivered to the owner ~~or the owner's authorized agent~~ personally;
2. A copy is sent by certified or registered mail addressed to the owner ~~or the owner's authorized agent~~ at the last known address with the return receipt requested ~~or delivered~~
3. A copy is delivered in any other manner as prescribed by local law.

If the certified or registered letter is returned showing that the letter was not delivered, a copy thereof shall be posted in a conspicuous place in or about the structure affected by such notice. Service of such notice in the foregoing manner on the owner's authorized agent ~~or on the person responsible for the structure~~ shall constitute service of notice on the owner.

[A] 115.5 ~~Restoration.~~ Restoration or abatement. The ~~building structure~~ or equipment determined to be *unsafe* by the *code official* is permitted to be restored to a safe condition. The owner, the owner's authorized agent, operator or occupant of a structure, premises or equipment deemed unsafe by the code official shall abate or cause to be abated or corrected such unsafe conditions either by repair, rehabilitation, demolition or other approved corrective action. To the extent that *repairs, alterations, or additions* are made or a *change of occupancy* occurs during the restoration of the ~~building structure~~, such *repairs, alterations, additions, or change of occupancy* shall comply with the requirements of this code.

2018 International Property Maintenance Code

SECTION 108 UNSAFE STRUCTURES AND EQUIPMENT

108.1 ~~General.~~ Unsafe conditions. When a structure or equipment is found by the *code official* to be unsafe, or when a structure is found unfit for human *occupancy*, or is found unlawful, such structure shall be *condemned* pursuant to the provisions of this code.

108.1.1 Unsafe structures. An unsafe structure is one that is found to be dangerous to the life, health, property or safety of the public or the *occupants* of the structure by not providing minimum safeguards to protect or warn *occupants* in the event of fire, or because such structure contains unsafe equipment or is so damaged, decayed, dilapidated, structurally unsafe or of such faulty construction or unstable foundation, that partial or complete collapse is possible.

108.1.2 Unsafe equipment. Unsafe equipment includes any boiler, heating equipment, elevator, moving stairway, electrical wiring or device, flammable liquid containers or other equipment on the *premises* or within the structure that is in such disrepair or condition that such equipment is a hazard to life, health, property or safety of the public or *occupants* of the *premises* or structure.

108.1.3 Structure unfit for human occupancy. A structure is unfit for human *occupancy* whenever the *code official* finds that such structure is unsafe, unlawful or, because of the degree to which the structure is in disrepair or lacks maintenance, is insanitary, vermin or rat infested, contains filth and contamination, or lacks *ventilation*, illumination, sanitary or heating facilities or other essential equipment required by this code, or because the location of the structure constitutes a hazard to the *occupants* of the structure or to the public.

108.1.4 Unlawful structure. An unlawful structure is one found in whole or in part to be occupied by more persons than permitted under this code, or was erected, altered or occupied contrary to law.

108.1.5 Dangerous structure or premises. For the purpose of this code, any structure or *premises* that has any or all of the conditions or defects described as follows shall be considered to be dangerous:

1. Any door, aisle, passageway, stairway, exit or other means of egress that does not conform to the *approved* building or fire code of the jurisdiction as related to the requirements for existing buildings.
2. The walking surface of any aisle, passageway, stairway, exit or other means of egress is so warped, worn loose, torn or otherwise unsafe as to not provide safe and adequate means of egress.
3. Any portion of a building, structure or appurtenance that has been damaged by fire, earthquake, wind, flood, *deterioration, neglect, abandonment, vandalism* or by any other cause to such an extent that it is likely to partially or completely collapse, or to become *detached* or dislodged.
4. Any portion of a building, or any member, appurtenance or ornamentation on the exterior thereof that is not of sufficient strength or stability, or is not so *anchored*, attached or fastened in place so as to be capable of resisting natural or artificial loads of one and one-half the original designed value.
5. The building or structure, or part of the building or structure, because of dilapidation, *deterioration*, decay, faulty construction, the removal or movement of some portion of the ground necessary for the support, or for any other reason, is likely to partially or completely collapse, or some portion of the foundation or underpinning of the building or structure is likely to fail or give way.
6. The building or structure, or any portion thereof, is clearly unsafe for its use and *occupancy*.
7. The building or structure is *neglected*, damaged, dilapidated, unsecured or abandoned so as to become an attractive nuisance to children who might play in the building or structure to their danger, becomes a harbor for vagrants, criminals or immoral persons, or enables persons to resort to the building or structure for committing a nuisance or an unlawful act.
8. Any building or structure has been constructed, exists or is maintained in violation of any specific requirement or prohibition applicable to such building or structure provided by the *approved* building or fire code of the jurisdiction, or of any law or ordinance to such an extent as to present either a substantial risk of fire, building collapse or any other threat to life and safety.
9. A building or structure, used or intended to be used for dwelling purposes, because of inadequate maintenance, dilapidation, decay, damage, faulty construction or arrangement, inadequate light, *ventilation*, mechanical or plumbing system, or otherwise, is determined by the *code official* to be insanitary, unfit for human habitation or in such a condition that is likely to cause sickness or disease.
10. Any building or structure, because of a lack of sufficient or proper fire-resistance-rated construction, fire protection systems, electrical system, fuel connections, mechanical system, plumbing system or other cause, is determined by the *code official* to be a

threat to life or health.

11. Any portion of a building remains on a site after the demolition or destruction of the building or structure or whenever any building or structure is abandoned so as to constitute such building or portion thereof as an attractive nuisance or hazard to the public.

108.2 Closing of vacant structures. If the structure is vacant and unfit for human habitation and *occupancy*, and is not in danger of structural collapse, the *code official* is authorized to post a placard of condemnation on the *premises* and order the structure closed up so as not to be an attractive nuisance. Upon failure of the *owner* or owner's authorized agent to close up the *premises* within the time specified in the order, the *code official* shall cause the *premises* to be closed and secured through any available public agency or by contract or arrangement by private persons and the cost thereof shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate and shall be collected by any other legal resource.

108.2.1 Authority to disconnect service utilities. The *code official* shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards set forth in Section 102.7 in case of emergency where necessary to eliminate an immediate hazard to life or property or where such utility connection has been made without approval. The *code official* shall notify the serving utility and, whenever possible, the *owner* or owner's authorized agent and *occupant* of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnection the *owner*, owner's authorized agent or *occupant* of the building structure or service system shall be notified in writing as soon as practical thereafter.

~~108.7~~ **108.3 Record.** The *code official* shall cause a report to be filed on an unsafe condition. The report shall state the *occupancy* of the structure and the nature of the unsafe condition.

Delete without substitution:

~~SECTION 107~~ **NOTICES AND ORDERS**

Revise as follows:

~~107.1~~ **108.4 Notice to person responsible.** Whenever the *code official* determines that there has been a violation of this code or has grounds to believe that a violation has occurred, notice shall be given in the manner prescribed in Sections ~~107.2 and 107.3~~ to the person responsible for the violation 108.4.1 and 108.4.2 to the owner or the owner's authorized agent, as specified in this code. Notices for condemnation procedures shall comply with Section 108.3.

~~107.2~~ **108.4.1 Form.** Such ~~notice prescribed in Section 107.1 shall~~ notice shall be in accordance with all of the following:

1. Be in writing.
2. Include a description of the real estate sufficient for identification.
3. Include a statement of the violation or violations and why the notice is being issued.
4. Include a correction order allowing a reasonable time to make the repairs and improvements required to bring the *dwelling unit* or structure into compliance with the provisions of this code.
5. Inform the property *owner* or owner's authorized agent of the right to appeal.
6. Include a statement of the right to file a lien in accordance with Section 106.3.

~~107.3~~ **108.4.2 Method of service.** Such notice shall be deemed to be properly served ~~if where~~ a copy thereof is served in accordance with one of the following methods: delivered personally, or

1. A copy is delivered personally.
2. A copy is sent by certified or first-class registered mail addressed to the owner at the last known address with the return receipt requested.
3. A copy is delivered in any other manner as prescribed by local law.

If the certified or registered letter last known address. If the notice is returned showing that the letter was not delivered, a copy thereof shall be posted in a conspicuous place in or about the structure affected by such notice. Service of such notice in the foregoing manner upon the owner's agent or upon the person responsible for the structure shall constitute service of notice upon the owner.

107.4 **108.5 Unauthorized tampering.** Signs, tags or seals posted or affixed by the *code official* shall not be mutilated, destroyed or tampered with, or removed without authorization from the *code official*.

Delete without substitution:

~~107.5 Penalties.~~ Penalties for noncompliance with orders and notices shall be as set forth in Section 106.4.

Revise as follows:

~~107.6~~ **108.6 Transfer of ownership.** It shall be unlawful for the owner of any *dwelling unit* or structure who has received a compliance order or

upon whom a notice of violation has been served to sell, transfer, mortgage, lease or otherwise dispose of such *dwelling unit* or structure to another until the provisions of the compliance order or notice of violation have been complied with, or until such *owner* or the owner's authorized agent shall first furnish the grantee, transferee, mortgagee or lessee a true copy of any compliance order or notice of violation issued by the *code official* and shall furnish to the *code official* a signed and notarized statement from the grantee, transferee, mortgagee or lessee, acknowledging the receipt of such compliance order or notice of violation and fully accepting the responsibility without condition for making the corrections or repairs required by such compliance order or notice of violation.

Delete without substitution:

~~**108.3 Notice.** Whenever the *code official* has condemned a structure or equipment under the provisions of this section, notice shall be posted in a conspicuous place in or about the structure affected by such notice and served on the *owner*, *owner's* authorized agent or the person or persons responsible for the structure or equipment in accordance with Section 107.3. If the notice pertains to equipment, it shall be placed on the condemned equipment. The notice shall be in the form prescribed in Section 107.2.~~

Revise as follows:

108.4 108.7 Placarding. Upon failure of the *owner*, *owner's* authorized agent or person responsible to comply with the notice provisions within the time given, the *code official* shall post on the *premises* or on defective equipment a placard bearing the word "Condemned" and a statement of the penalties provided for occupying the *premises*, operating the equipment or removing the placard. Such notice shall be posted in a conspicuous place in or about the structure affected by such notice. If the notice pertains to equipment, it shall be placed on the condemned equipment.

~~**108.4.1 108.7.1 Placard removal.**~~ The *code official* shall remove the condemnation placard whenever the defect or defects upon which the condemnation and placarding action were based have been eliminated. Any person who defaces or removes a condemnation placard without the approval of the *code official* shall be subject to the penalties provided by this code.

108.5 108.8 Prohibited occupancy. Any occupied structure condemned and placarded by the *code official* shall be vacated as ordered by the *code official*. Any person who shall occupy a placarded *premises* or shall operate placarded equipment, and any *owner* ; or *owner's* authorized agent ~~or person responsible for the premises~~ who shall let anyone occupy a placarded *premises* or operate placarded equipment shall be liable for the penalties provided by this code.

~~**108.6 108.9 Abatement methods: Restoration or abatement.**~~ The structure or equipment determined to be unsafe by the code official is permitted to be restored to a safe condition. The *owner*, *owner's* authorized agent, *operator* or *occupant* of a ~~building structure,~~*premises* or equipment deemed unsafe by the *code official* shall abate or cause to be abated or corrected such unsafe conditions either by repair, rehabilitation, demolition or other *approved* corrective action. To the extent that repairs, alterations, or additions are made or a change of occupancy occurs during the restoration of the structure, such repairs, alterations, additions, or change of occupancy shall comply with the requirements of the International Existing Building Code.

Reason: The intent is the coordination of the requirements in the section dealing with **Unsafe Structures and Equipment** in the IBC, IFC, IEBC and IPMC.

- Consistently use "structure" instead of "building" or "building or structure"
- "Owner's authorized agent" was added extensively last cycle. A person responsible for the premises is an owner's authorized agent – so the language can be removed. "Operator" has not been removed because it is a defined term in the IPMC.
- Similar language for Unsafe Conditions (IBC 116.1, IFC 111.1.1, IEBC 115.1, IPMC 108.1)
- Similar language for Record (IBC 116.2, IFC 111.3, IEBC 115.2, IPMC 108.3)
- Similar language for Notice (IBC 116.3, IFC 111.4, IEBC 115.3, IPMC 108.4 & 108.5)
- Similar language for Method of service (IBC 116.4, IFC 111.5, IEBC 115.4, IPMC 107.3)
- IFC should include requirements for record, notice and method of service.
- IFC and IPMC has a section on abatement, and IBC and IEBC have a section on restoration. Both include provisions for bring the structure into a safe condition, so both should be permitted/addressed in all four codes. (IBC 116.5, IFC 111.6, IEBC 115.5, IPMC 108.6)

The IPMC has some duplication of requirements in Section 107 and 108. It was decided that moving Section 107 into 108 would provide clarity and allow further coordination.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals."

The following is the template utilized to create this code change proposal. There may be some differences depending on the unique applications of each code – such as "building/fire/code official".

SECTION 116 UNSAFE STRUCTURES AND EQUIPMENT

[A] 116.1 Unsafe Conditions. Structures or existing equipment that are or hereafter become unsafe, insanitary or deficient because of inadequate *means of egress* facilities, inadequate light and ventilation, or that constitute a fire hazard, or are otherwise dangerous to human life or the public welfare, or that involve illegal or improper occupancy or inadequate maintenance, shall be deemed an unsafe condition. Unsafe structures shall be taken down and removed or made safe, as the *building official* deems necessary and as provided for in this section. A vacant structure that is not secured against unauthorized entry shall be deemed unsafe.

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This proposal is submitted by the ICC Building Code Action Committee (BCAC), the ICC Fire Code Action Committee (FCAC) and the ICC Plumbing/Mechanical/Gas Code Action Committee (PMG CAC)

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/building-code-actioncommittee-bcac>.

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Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial change that provides consistency between I-codes.

ADM43-19 Part I

PART I — IBC®: B, SECTION B101, [A] B101.1, B101.1 (New), B101.2 (New), B101.2.1 (New), [A] B101.2, [A] B101.2.2, [A] B101.2.1, B101.3.3 (New), [A] B101.2.4, [A] B101.2.6, [A] B101.2.5, [A] B101.2.7, B101.3.8 (New), [A] B101.2.3, [A] B101.3, [A] B101.3.1, B101.5.2 (New), [A] B101.3.2, [A] B101.3.3, B101.6 (New), [A] B101.4, [A] B101.4.1, [A] B101.4.2, B101.8 (New); IEBC®: APPENDIX A (New), SECTION A101 (New), A101.1 (New), A101.2 (New), A101.2.1 (New), A101.2.2 (New), A101.3 (New), A101.3.1 (New), A101.3.2 (New), A101.3.3 (New), A101.3.4 (New), A101.3.5 (New), A101.3.6 (New), A101.3.7 (New), A101.3.8 (New), A101.4 (New), A101.5 (New), A101.5.1 (New), A101.5.2 (New), A101.5.3 (New), A101.6 (New), A101.7 (New), A101.7.1 (New), A101.7.2 (New), A101.8 (New); IFC®: A, SECTION A101, A101.1, A101.2 (New), A101.2.1 (New), A102.2.2 (New), A101.2, A101.2.1, A101.2.2, A101.2.3, A101.2.4, A101.2.5, A101.3, A101.3.1, A101.3.1 (New), A101.3.2 (New), A101.3.2, A101.3.4 (New), A101.5, A101.9, A101.8, A101.3.7 (New), A101.3.3, A101.10, A101.7, A101.5.1 (New), A101.4, A101.5.3 (New), A101.6, A101.7 (New), A101.7.1 (New), A101.7.2 (New), A101.8 (New); IFGC®: APPENDIX A (New), A101 (New), A101.1 (New), A101.2 (New), A101.2.1 (New), A101.2.2 (New), [A] 109.2, [A] 109.2.1, [A] 109.2.2, A101.3.3 (New), [A] 109.2.3, [A] 109.2.5, [A] 109.2.4, [A] 109.2.6, A101.3.8 (New), [A] 109.4.1, [A] 109.3, [A] 109.4, A101.5.2 (New), [A] 109.5, A101.6 (New), [A] 109.6, [A] 109.6.1, [A] 109.6.2, [A] 109.7; IMC®: APPENDIX A (New), SECTION A101 (New), A101.1 (New), A101.2 (New), A101.2.1 (New), A101.2.2 (New), [A] 109.2, [A] 109.2.1, [A] 109.2.2, A101.3.3, [A] 109.2.3, [A] 109.2.5, [A] 109.2.4, [A] 109.2.6, A101.3.8 (New), [A] 109.4.1, [A] 109.3, [A] 109.4, A101.5.2 (New), [A] 109.5, A101.6 (New), [A] 109.6, [A] 109.6.1, [A] 109.6.2, [A] 109.7; IPC®: APPENDIX A (New), SECTION A101 (New), A101.1 (New), A101.2 (New), A101.2.1 (New), A101.2.2 (New), 109.2, 109.2.1, 109.2.2, A101.3.3 (New), 109.2.3, 109.2.5, 109.2.4, 109.2.6, A101.3.8 (New), 109.4.1, 109.3, 109.4, A101.5.2 (New), 109.5, A101.6 (New), 109.6, 109.6.1, 109.6.2, 109.7; IPSC®: APPENDIX A (New), SECTION A101 (New), A101.1 (New), A101.2 (New), A101.2.1 (New), A101.2.2 (New), [A] 109.2, [A] 109.2.1, [A] 109.2.2, A101.3.3 (New), [A] 109.2.3, [A] 109.2.5, [A] 109.2.4, [A] 109.2.6, A101.3.8 (New), [A] 109.4.1, [A] 109.3, [A] 109.4, A101.5.2 (New), [A] 109.5, A101.6 (New), [A] 109.6, [A] 109.6.1, [A] 109.6.2, [A] 109.7; IPMC®: APPENDIX A (New), SECTION A101 (New), A101.1 (New), A101.2 (New), A101.2.1 (New), [A] 111.8, [A] 111.2, A101.3.1 (New), [A] 111.2.1, A101.3.3 (New), [A] 111.2.2, [A] 111.2.4, [A] 111.2.3, [A] 111.2.5, A101.3.8 (New), [A] 111.4.1, [A] 111.3, [A] 111.4, A101.5.2 (New), [A] 111.5, A101.6 (New), [A] 111.6, [A] 111.6.1, [A] 111.6.2, [A] 111.7; ISPSC®: APPENDIX A (New), SECTION A101 (New), A101.1 (New), A101.2 (New), A101.2.1 (New), A101.2.2 (New), [A] 108.2, [A] 108.2.1, [A] 108.2.2, A101.3.3 (New), [A] 108.2.3, [A] 108.2.5, [A] 108.2.4, [A] 108.2.6, A101.3.8 (New), [A] 108.4.1, [A] 108.3, [A] 108.4, A101.5.2 (New), [A] 108.5, A101.6 (New), [A] 108.6, [A] 108.6.1, [A] 108.6.2, [A] 108.7; IWUIC®: SECTION 106, [A] 106.1, A (New), SECTION A101 (New), A101.1 (New), A101.2 (New), A101.2.1 (New), A101.2.2 (New), A101.3 (New), A101.3.1 (New), A101.3.2 (New), A101.3.3 (New), A101.3.4 (New), A101.3.5 (New), A101.3.6 (New), A101.3.7 (New), A101.3.8 (New), A101.4 (New), A101.5 (New), A101.5.1 (New), A101.5.2 (New), A101.5.3 (New), A101.6 (New), A101.7 (New), A101.7.1 (New), A101.7.2 (New), A101.8 (New)

PART II — IRC®: APPENDIX A (New), SECTION A101 (New), A101.1 (New), A101.2 (New), A101.2.1 (New), A101.2.2 (New), A101.3 (New), A101.3.1 (New), A101.3.2 (New), A101.3.3 (New), A101.3.4 (New), A101.3.5 (New), A101.3.6 (New), A101.3.7 (New), A101.3.8 (New), A101.4 (New), A101.5 (New), A101.5.1 (New), A101.5.2 (New), A101.5.3 (New), A101.6 (New), A101.7 (New), A101.7.1 (New), A101.7.2 (New), A101.8 (New)

PART III — IECC: APPENDIX CA (New), SECTION CA101 (New), CA101.1 (New), CA101.2 (New), CA101.2.1 (New), CA101.2.2 (New), CA101.3 (New), CA101.3.1 (New), CA101.3.2 (New), CA101.3.3 (New), CA101.3.4 (New), CA101.3.5 (New), CA101.3.6 (New), CA101.3.7 (New), CA101.3.8 (New), CA101.4 (New), CA101.5 (New), CA101.5.1 (New), CA101.5.2 (New), CA101.5.3 (New), CA101.6 (New), CA101.7 (New), CA101.7.1 (New), CA101.7.2 (New), CA101.8 (New)

PART IV — IECC: Appendix RA (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan, representing Plumbing, Mechanical, and Fuel Gas Code Action Committee (pmgac@iccsafe.org); Michael O'Brian, representing FCAC (fcac@iccsafe.org)

THIS IS A 4 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. PART III WILL BE HEARD BY THE IECC-COMMERCIAL CODE COMMITTEE. PART IV WILL BE HEARD BY THE IECC-RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Building Code

APPENDIX B BOARD OF APPEALS

Revise as follows:

SECTION B101 GENERAL

Delete without substitution:

~~[A] B101.1 Application.~~ Applications for appeal shall be obtained from the building official. Applications shall be filed within 20 days after notice has been served.

Add new text as follows:

B101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section 113 (Means of Appeals). The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the building official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

B101.2 Application for appeal. Any person shall have the right to appeal a decision of the building official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the building official within 20 days after the notice was served.

B101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

B101.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

Revise as follows:

[A] ~~B101.2~~ B101.3 Membership of board. The board of appeals shall consist of ~~persons~~ five voting members appointed by the chief appointing authority of the jurisdiction. Each member shall serve for [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The code official shall be an ex officio member of said board but shall not vote on any matter before the board, as follows:

1. One for 5 years; one for 4 years; one for 3 years; one for 2 years; and one for 1 year.
2. Thereafter, each new member shall serve for 5 years or until a successor has been appointed.

The building official shall be an ex officio member of said board but shall have no vote on any matter before the board.

[A] ~~B101.2.2~~ B101.3.1 Qualifications. The board of appeals shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction ~~one from each of the following professions or disciplines:~~

1. Registered design professional with architectural experience or a builder or superintendent of building construction with not fewer than 10 years of experience, 5 of which shall have been in responsible charge of work.
2. Registered design professional with structural engineering experience.
3. Registered design professional with mechanical and plumbing engineering experience or a mechanical contractor with not fewer than 10 years of experience, 5 of which shall have been in responsible charge of work.
4. Registered design professional with electrical engineering experience or an electrical contractor with not fewer than 10 years of experience, 5 of which shall have been in responsible charge of work.
5. Registered design professional with fire protection engineering experience or a fire protection contractor with not fewer than 10 years of experience, 5 of which shall have been in responsible charge of work.

[A] ~~B101.2.1~~ B101.3.2 Alternate members. The chief appointing authority ~~shall is authorized to~~ appoint two alternate members who shall be called by the board chairperson to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for 5 years, the same term or until a successor has been appointed.

Add new text as follows:

B101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

Revise as follows:

[A] ~~B101.2.4~~ B101.3.4 Chairperson. The board shall annually select one of its members to serve as chairperson.

[A] ~~B101.2.6~~ B101.3.5 Secretary. The chief ~~administrative officer~~ appointing authority shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of all proceedings ~~in the office of the chief administrative officer,~~ which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.

[A] ~~B101.2.5~~ B101.3.6 Disqualification-Conflict of member interest. A member shall not hear an appeal in which that member has ~~with any~~ personal, professional or financial ~~interest~~ interest in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.

[A] ~~B101.2.7~~ B101.3.7 Compensation of members. Compensation of members shall be determined by law.

Add new text as follows:

B101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms only for cause. Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

Revise as follows:

~~[A] **B101.2.3 B101.4 Rules and procedures.** The board is authorized to shall establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be presented.~~

~~[A] **B101.3 B101.5 Notice of meeting.** The board shall meet upon notice from the chairperson, within 10 days of the filing of an appeal or at stated periodic meetings.~~

~~[A] **B101.3.1 B101.5.1 Open hearing.** All hearings before the board shall be open to the public. The appellant, the appellant's representative, the building official and any person whose interests are affected shall be given an opportunity to be heard.~~

Add new text as follows:

B101.5.2 Quorum. Three members of the board shall constitute a quorum.

Delete without substitution:

~~[A] **B101.3.2 Procedure.** The board shall adopt and make available to the public through the secretary procedures under which a hearing will be conducted. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be received.~~

Revise as follows:

~~[A] **B101.3.3 B101.5.3 Postponed hearing.** When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.~~

Add new text as follows:

B101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

Revise as follows:

~~[A] **B101.4 B101.7 Board decision.** The board shall modify or reverse the decision of the *building official* by a concurring vote of two-thirds of its members. The board shall only modify or reverse the decision of the code official by a concurring vote of three or more members.~~

~~[A] **B101.4.1 B101.7.1 Resolution.** The decision of the board shall be by resolution. Certified copies shall be Every decision shall be promptly filed in writing in the office of the code official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant or the appellant's representative and to the *building code official*.~~

~~[A] **B101.4.2 B101.7.2 Administration.** The *building official* shall take immediate action in accordance with the decision of the board.~~

Add new text as follows:

B101.8 Court review. Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

2018 International Existing Building Code

APPENDIX A BOARD OF APPEALS

SECTION A101 GENERAL

A101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section 112. The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the code official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

A101.2 Application for appeal. Any person shall have the right to appeal a decision of the code official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served.

A101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

A101.2.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

A101.3 Membership of board. The board shall consist of five voting members appointed by the chief appointing authority of the jurisdiction. Each member shall serve for [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The code official shall be an ex officio member of said board but shall not vote on any matter before the board.

A101.3.1 Qualifications. The board shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction.

A101.3.2 Alternate members. The chief appointing authority is authorized to appoint two alternate members who shall be called by the board chairperson to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for the same term or until a successor has been appointed.

A101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

A101.3.4 Chairperson. The board shall annually select one of its members to serve as chairperson.

A101.3.5 Secretary. The chief appointing authority shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of all proceedings which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.

A101.3.6 Conflict of interest. A member with any personal, professional or financial interest in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.

A101.3.7 Compensation of members. Compensation of members shall be determined by law.

A101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms only for cause. Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

A101.4 Rules and procedures. The board shall establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be presented.

A101.5 Notice of meeting. The board shall meet upon notice from the chairperson, within 10 days of the filing of an appeal or at stated periodic intervals.

A101.5.1 Open hearing. All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official and any person whose interests are affected shall be given an opportunity to be heard.

A101.5.2 Quorum. Three members of the board shall constitute a quorum.

A101.5.3 Postponed hearing. When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

A101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

A101.7 Board decision. The board shall only modify or reverse the decision of the code official by a concurring vote of three or more members.

A101.7.1 Resolution. The decision of the board shall be by resolution. Every decision shall be promptly filed in writing in the office of the code official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant or the appellant's representative and to the code official.

A101.7.2 Administration. The code official shall take immediate action in accordance with the decision of the board.

A101.8 Court review. Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

2018 International Fire Code

APPENDIX A BOARD OF APPEALS

Revise as follows:

SECTION A101 GENERAL

A101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of ~~the International Fire Code~~ this code pursuant to the provisions of Section ~~108 of the International Fire Code~~ 109. The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the fire code official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

Add new text as follows:

A101.2 Application for appeal. Any person shall have the right to appeal a decision of the fire code official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the fire code official within 20 days after the notice was served.

A101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

A102.2.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

Delete without substitution:

A101.2 Membership. ~~The membership of the board shall consist of five voting members having the qualifications established by this section. Members shall be nominated by the fire code official or the chief administrative officer of the jurisdiction, subject to confirmation by a majority vote of the governing body. Members shall serve without remuneration or compensation, and shall be removed from office prior to the end of their appointed terms only for cause.~~

A101.2.1 Design professional. ~~One member shall be a practicing design professional registered in the practice of engineering or architecture in the state in which the board is established.~~

A101.2.2 Fire protection engineering professional. ~~One member shall be a qualified engineer, technologist, technician or safety professional trained in fire protection engineering, fire science or fire technology. Qualified representatives in this category shall include fire protection contractors and certified technicians engaged in fire protection system design.~~

A101.2.3 Industrial safety professional. ~~One member shall be a registered industrial or chemical engineer, certified hygienist, certified safety professional, certified hazardous materials manager or comparably qualified specialist experienced in chemical process safety or industrial safety.~~

A101.2.4 General contractor. ~~One member shall be a contractor regularly engaged in the construction, alteration, maintenance, repair or remodeling of buildings or building services and systems regulated by the code.~~

A101.2.5 General industry or business representative. ~~One member shall be a representative of business or industry not represented by a member from one of the other categories of board members described in Sections A101.2.1 through A101.2.4.~~

Revise as follows:

A101.3 ~~Terms~~ Membership of office, board. ~~Members shall be appointed for terms of 4 years. Members shall not be reappointed to serve more than two consecutive full terms. The board shall consist of five voting members appointed by the chief appointing authority of the jurisdiction. Each member shall serve for [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The fire code official shall be an ex officio member of said board but shall not vote on any matter before the board.~~

Delete without substitution:

A101.3.1 Initial appointments. ~~Of the members first appointed, two shall be appointed for a term of 1 year, two for a term of 2 years, one for a term of 3 years.~~

Add new text as follows:

A101.3.1 Qualifications. The board shall consist of members who are qualified by experience and training to pass on matters pertaining to hazards of fire, explosions, hazardous conditions or fire protection systems, and are not employees of the jurisdiction.

A101.3.2 Alternate members. The chief appointing authority is authorized to appoint two alternate members who shall be called by the board chairperson to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for the same term or until a successor has been appointed.

Revise as follows:

~~A101.3.2~~ **A101.3.3 Vacancies.** Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made. ~~Members appointed to fill a vacancy in an unexpired term shall be eligible for reappointment to two full terms.~~

Add new text as follows:

A101.3.4 Chairperson. The board shall annually select one of its members to serve as chairperson.

Revise as follows:

~~A101.5~~ **A101.3.5 Secretary of board.** ~~The fire code official shall act as secretary of the board and shall keep~~ chief appointing authority shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of all its proceedings ; which shall set forth the reasons for its decisions the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.

Delete without substitution:

~~A101.9 Decisions.~~ ~~Every decision shall be promptly filed in writing in the office of the fire code official and shall be open to public inspection. A certified copy shall be sent by mail or otherwise to the appellant, and a copy shall be kept publicly posted in the office of the fire code official for 2 weeks after filing.~~

Revise as follows:

~~A101.8~~ **A101.3.6 Conflict of interest.** ~~Members with a material~~ A member with any personal, professional or financial interest in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.

Add new text as follows:

A101.3.7 Compensation of members. Compensation of members shall be determined by law.

Revise as follows:

~~A101.3.3~~ **A101.3.8 Removal from office the board.** ~~Members~~ A member shall be removed from office the board prior to the end of their terms only for cause. Continued absence of any member cause. Any member with continued absence from regular meetings meeting of the board shall, may be removed at the discretion of the applicable governing body, render any such member liable to immediate removal from office- chief appointing authority.

~~A101.10~~ **A101.4 Procedures. Rules and procedures.** ~~The board shall be operated in accordance with the Administrative Procedures Act of the state in which it is established or shall establish rules and regulations for its own procedure not inconsistent~~ establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be presented.

~~A101.7~~ **A101.5 Meetings: Notice of meetings.** ~~The board shall meet at regular intervals, to be determined by the chairman. In any event, the board shall meet upon notice from the chairperson, within 10 days after notice of the filing of appeal has been received- an appeal or at stated periodic intervals.~~

Add new text as follows:

A101.5.1 Open hearing. All hearings before the board shall be open to the public. The appellant, the appellant's representative, the fire code official and any person whose interests are affected shall be given an opportunity to be heard.

Revise as follows:

~~A101.4~~ **A101.5.2 Quorum.** ~~Three members of the board shall constitute a quorum. In varying the application of any provisions of this code or in modifying an order of the fire code official, affirmative votes of the majority present, but not less than three, shall be required.~~

Add new text as follows:

A101.5.3 Postponed hearing. When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

Revise as follows:

A101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration-consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

Add new text as follows:

A101.7 Board decision. The board shall only modify or reverse the decision of the fire code official by a concurring vote of three or more members.

A101.7.1 Resolution. The decision of the board shall be by resolution. Every decision shall be promptly filed in writing in the office of the fire code official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant or the appellant's representative and to the fire code official.

A101.7.2 Administration. The fire code official shall take immediate action in accordance with the decision of the board.

A101.8 Court review. Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

2018 International Fuel Gas Code

APPENDIX A **BOARD OF APPEALS**

A101 **GENERAL**

A101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section 109 (Means of Appeals). The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the code official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

A101.2 Application for appeal. Any person shall have the right to appeal a decision of the code official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served.

A101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

A101.2.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

Revise as follows:

[A] ~~109-2~~ A101.3 Membership of board. The board of appeals shall consist of five voting members appointed by the chief appointing authority as follows: one for 5 years; one for 4 years; one for 3 years; one for 2 years and one for 1 year. Thereafter, each new of the jurisdiction. Each member shall serve for 5 [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The code official shall be an ex officio member of said board but shall not vote on any matter before the board.

[A] ~~109-2.1~~ A101.3.1 Qualifications. The board of appeals shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction, one from each of the following professions or disciplines:

- ~~1. Registered design professional who is a registered architect; or a builder or superintendent of building construction with not less than 10 years' experience, 5 of which shall have been in responsible charge of work.~~
- ~~2. Registered design professional with structural engineering or architectural experience.~~
- ~~3. Registered design professional with fuel gas and plumbing engineering experience; or a fuel gas contractor with not less than 10 years' experience, 5 of which shall have been in responsible charge of work.~~
- ~~4. Registered design professional with electrical engineering experience; or an electrical contractor with not less than 10 years' experience, 5 of which shall have been in responsible charge of work.~~
- ~~5. Registered design professional with fire protection engineering experience; or a fire protection contractor with not less than 10 years' experience, 5 of which shall have been in responsible charge of work.~~

[A] ~~109-2.2~~ A101.3.2 Alternate members. The chief appointing authority shall is authorized to appoint two alternate members who shall be called by the board chairman chairperson to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for 5 years, the same term or until a successor has been appointed.

Add new text as follows:

A101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

Revise as follows:

[A] ~~109-2.3~~ A101.3.4 Chairman. Chairperson. The board shall annually select one of its members to serve as chairman chairperson.

[A] ~~109-2.5~~ A101.3.5 Secretary. The chief administrative officer ~~appointing authority~~ shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of all proceedings ~~in the office of the chief administrative officer; which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.~~

[A] ~~109-2.4~~ A101.3.6 Disqualification Conflict of member: interest. A member shall not hear an appeal in which that member has ~~a~~ with any personal, professional or financial interest ~~in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.~~

[A] ~~109-2.6~~ A101.3.7 Compensation of members. Compensation of members shall be determined by law.

Add new text as follows:

A101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms only for cause. Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

Revise as follows:

[A] ~~109-4.1~~ A101.4 Procedure. Rules and procedures. The board shall ~~adopt and make available to the public through the secretary procedures under which a hearing will be conducted, establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law.~~ The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be ~~received;~~ presented.

[A] ~~109-3~~ A101.5 Notice of meeting. The board shall meet upon notice from the ~~chairman~~ chairperson, within 10 days of the filing of an appeal ~~or at stated periodic meetings;~~ intervals.

Add new text as follows:

[A] A101.5.1 Open hearing. All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official and any person whose interests are affected shall be given an opportunity to be heard.

A101.5.2 Quorum. Three members of the board shall constitute a quorum.

Revise as follows:

[A] ~~109-5~~ A101.5.3 Postponed hearing. ~~Where~~ When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

Add new text as follows:

A101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

Revise as follows:

[A] ~~109-6~~ A101.7 Board decision. The board shall only modify or reverse the decision of the code official by a concurring vote of three or more members.

[A] ~~109-6.1~~ A101.7.1 Resolution. The decision of the board shall be by resolution. ~~Certified copies shall be~~ Every decision shall be promptly filed in writing in the office of the code official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant or the appellant's representative and to the code official.

[A] ~~109-6.2~~ A101.7.2 Administration. The code official shall take immediate action in accordance with the decision of the board.

[A] ~~109-7~~ A101.8 Court review. Any person, whether or not a previous party ~~to~~ of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

2018 International Mechanical Code

Add new text as follows:

APPENDIX A **BOARD OF APPEALS**

SECTION A101 **GENERAL**

A101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section 109 (Means of Appeals). The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the code official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

A101.2 Application for appeal. Any person shall have the right to appeal a decision of the code official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served.

A101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

A101.2.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

Revise as follows:

[A] ~~109-2~~ A101.3 Membership of board. The board of appeals shall consist of five voting members appointed by the chief appointing authority as follows: one for 5 years; one for 4 years; one for 3 years; one for 2 years; and one for 1 year. Thereafter, each new of the jurisdiction. Each member shall serve for 5 [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The code official shall be an ex officio member of said board but shall not vote on any matter before the board.

[A] ~~109-2.1~~ A101.3.1 Qualifications. The board of appeals shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction, one from each of the following professions or disciplines:

1. *Registered design professional who is a registered architect; or a builder or superintendent of building construction with not less than 10 years' experience, 5 of which shall have been in responsible charge of work;*
2. *Registered design professional with structural engineering or architectural experience;*
3. *Registered design professional with mechanical and plumbing engineering experience; or a mechanical contractor with not less than 10 years' experience, 5 of which shall have been in responsible charge of work;*
4. *Registered design professional with electrical engineering experience; or an electrical contractor with not less than 10 years' experience, 5 of which shall have been in responsible charge of work;*
5. *Registered design professional with fire protection engineering experience; or a fire protection contractor with not less than 10 years' experience, 5 of which shall have been in responsible charge of work;*

[A] ~~109-2.2~~ A101.3.2 Alternate members. The chief appointing authority ~~shall be authorized to~~ appoint two alternate members who shall be called by the board ~~chairman~~ chairperson to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for ~~5 years, the same term~~ or until a successor has been appointed.

A101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

[A] ~~109-2.3~~ A101.3.4 ~~Chairman.~~ Chairperson. The board shall annually select one of its members to serve as ~~chairman.~~ chairperson.

[A] ~~109-2.5~~ A101.3.5 Secretary. The chief ~~administrative officer~~ appointing authority shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of all proceedings in the office of the chief administrative officer, which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.

[A] ~~109-2.4~~ A101.3.6 ~~Disqualification~~ Conflict of member; interest. A member shall not hear an appeal in which that member has a with any personal, professional or financial interest in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.

[A] ~~109-2.6~~ A101.3.7 Compensation of members. Compensation of members shall be determined by law.

Add new text as follows:

A101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms only for cause. Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

Revise as follows:

[A] ~~109-4.1~~ A101.4 ~~Procedure.~~ Rules and procedures. The board shall adopt and make available to the public through the secretary procedures under which a hearing will be conducted, establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be received, presented.

[A] ~~109-3~~ A101.5 Notice of meeting. The board shall meet upon notice from the ~~chairman~~ chairperson, within 10 days of the filing of an appeal, or at stated periodic meetings, intervals.

[A] ~~109.4~~ A101.5.1 Open hearing. ~~Hearings~~ All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official and any person whose interests are affected shall be given an opportunity to be heard.

Add new text as follows:

A101.5.2 Quorum. Three members of the board shall constitute a quorum.

Revise as follows:

[A] ~~109.5~~ A101.5.3 Postponed hearing. When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

Add new text as follows:

A101.6 Legal counsel. . The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

Revise as follows:

[A] ~~109.6~~ A101.7 Board decision. The board shall only modify or reverse the decision of the code official by a concurring vote of three or more members.

[A] ~~109.6.1~~ A101.7.1 Resolution. The decision of the board shall be by resolution. ~~Certified copies shall be~~ Every decision shall be promptly filed in writing in the office of the code official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant or the appellant's representative and to the code official.

[A] ~~109.6.2~~ A101.7.2 Administration. The code official shall take immediate action in accordance with the decision of the board.

[A] ~~109.7~~ A101.8 Court review. Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

2018 International Plumbing Code

Add new text as follows:

APPENDIX A **BOARD OF APPEALS**

SECTION A101 **GENERAL**

A101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section XXX (Means of Appeals). The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the code official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

A101.2 Application for appeal. Any person shall have the right to appeal a decision of the code official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served.

A101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

A101.2.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

Revise as follows:

~~109.2~~ A101.3 Membership of board. The board of appeals shall consist of five voting members appointed by the chief appointing authority as follows: one for 5 years, one for 4 years, one for 3 years, one for 2 years and one for 1 year. Thereafter, each new of the jurisdiction. Each member shall serve for 5 [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The code official shall be an ex officio member of said board but shall not vote on any matter before the board.

~~109.2.1~~ A101.3.1 Qualifications. The board of appeals shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction. ~~one from each of the following professions or disciplines:~~

1. ~~Registered design professional who is a registered architect; or a builder or superintendent of building construction with not less than 10 years' experience, 5 years of which shall have been in responsible charge of work.~~
2. ~~Registered design professional with structural engineering or architectural experience.~~
3. ~~Registered design professional with mechanical and plumbing engineering experience; or a mechanical and plumbing contractor with not less than 10 years' experience, 5 years of which shall have been in responsible charge of work.~~
4. ~~Registered design professional with electrical engineering experience; or an electrical contractor with not less than 10 years' experience, 5 years of which shall have been in responsible charge of work.~~
5. ~~Registered design professional with fire protection engineering experience; or a fire protection contractor with not less than 10 years' experience, 5 years of which shall have been in responsible charge of work.~~

~~109-2.2~~ A101.3.2 Alternate members. The chief appointing authority ~~shall~~ is authorized to appoint two alternate members who shall be called by the board ~~chairman~~ chairperson to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for ~~5 years~~ the same term or until a successor has been appointed.

Add new text as follows:

A101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

Revise as follows:

~~109-2.3~~ A101.3.4 Chairman- Chairperson. The board shall annually select one of its members to serve as ~~chairman~~ chairperson.

~~109-2.5~~ A101.3.5 Secretary. The chief ~~administrative officer~~ appointing authority shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of all proceedings ~~in the office of the chief administrative officer, which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.~~

~~109-2.4~~ A101.3.6 Disqualification-Conflict of member interest. A member ~~shall not hear an appeal in which that member has with any personal, professional or financial interest.~~ interest in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.

~~109-2.6~~ A101.3.7 Compensation of members. Compensation of members shall be determined by law.

Add new text as follows:

A101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms only for cause. Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

Revise as follows:

~~109-4.1~~ A101.4 Procedure. Rules and procedures. The board shall ~~adopt and make available to the public through the secretary procedures under which a hearing will be conducted.~~ establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be ~~received.~~ presented.

~~109-3~~ A101.5 Notice of meeting. The board shall meet upon notice from the ~~chairman~~ chairperson, within 10 days of the filing of an appeal or at stated periodic ~~meetings.~~ intervals.

~~109-4~~ A101.5.1 Open hearing. Hearings-All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official and any person whose interests are affected shall be given an opportunity to be heard.

Add new text as follows:

A101.5.2 Quorum. Three members of the board shall constitute a quorum.

Revise as follows:

~~109-5~~ A101.5.3 Postponed hearing. When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

Add new text as follows:

A101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

Revise as follows:

~~109-6~~ **A101.7 Board decision.** The board shall only modify or reverse the decision of the code official by a concurring vote of three or more members.

~~109-6.1~~ **A101.7.1 Resolution.** The decision of the board shall be by resolution. ~~Certified copies shall be~~ Every decision shall be promptly filed in writing in the office of the code official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant or the appellant's representative and to the code official.

~~109-6.2~~ **A101.7.2 Administration.** The code official shall take immediate action in accordance with the decision of the board.

~~109-7~~ **A101.8 Court review.** Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

2018 International Private Sewage Disposal Code

Add new text as follows:

APPENDIX A **BOARD OF APPEALS**

SECTION A101 **GENERAL**

A101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section 109 (Means of Appeals). The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the code official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

A101.2 Application for appeal. Any person shall have the right to appeal a decision of the code official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served.

A101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

A101.2.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

Revise as follows:

[A] ~~109-2~~ **A101.3 Membership of board.** The board of appeals shall consist of five voting members appointed by the chief appointing authority as follows: one for 5 years, one for 4 years, one for 3 years, one for 2 years and one for 1 year. Thereafter, each new of the jurisdiction. Each member shall serve for 5 [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The code official shall be an ex officio member of said board but shall not vote on any matter before the board.

[A] ~~109-2.1~~ **A101.3.1 Qualifications.** The board of appeals shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction, one from each of the following professions or disciplines:

1. Registered design professional who is a registered architect; or a builder or superintendent of building construction with not less than 10 years' experience, 5 years of which shall have been in responsible charge of work.
2. Registered design professional with structural engineering or architectural experience.
3. Registered design professional with mechanical and plumbing engineering experience; or a mechanical and plumbing contractor with not less than 10 years' experience, 5 years of which shall have been in responsible charge of work.
4. Registered design professional with electrical engineering experience; or an electrical contractor with not less than 10 years' experience, 5 years of which shall have been in responsible charge of work.
5. Registered design professional with fire protection engineering experience; or a fire protection contractor with not less than 10 years' experience, 5 years of which shall have been in responsible charge of work.

[A] ~~109-2.2~~ **A101.3.2 Alternate members.** The chief appointing authority shall be authorized to appoint two alternate members who shall be called by the board chairman-chairperson to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for 5 years-the same term or until a successor has been appointed.

Add new text as follows:

A101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

Revise as follows:

[A] ~~109.2.3~~ **A101.3.4 Chairman- Chairperson.** The board shall annually select one of its members to serve as ~~chairman- chairperson.~~

[A] ~~109.2.5~~ **A101.3.5 Secretary.** The chief ~~administrative officer-appointing authority~~ shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of all proceedings ~~in the office of the chief administrative officer, which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.~~

[A] ~~109.2.4~~ **A101.3.6 Disqualification Conflict of a member- interest.** A member ~~shall not hear an appeal in which that member has~~ with any personal, professional or financial interest ~~in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.~~

[A] ~~109.2.6~~ **A101.3.7 Compensation of members.** Compensation of members shall be determined by law.

Add new text as follows:

A101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms ~~only for cause.~~ Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

Revise as follows:

[A] ~~109.4.1~~ **A101.4 Procedure- Rules and procedures.** The board shall ~~adopt and make available to the public through the secretary procedures under which a hearing will be conducted.~~ establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be ~~received- presented.~~

Add new text as follows:

[A] **A101.5 Notice of meeting.** The board shall meet upon notice from the chairperson, within 10 days of the filing of an appeal or at stated periodic intervals.

Revise as follows:

[A] ~~109.4~~ **A101.5.1 Open hearing. Hearings-** All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official and any person whose interests are affected shall be given an opportunity to be heard.

Add new text as follows:

A101.5.2 Quorum. Three members of the board shall constitute a quorum.

Revise as follows:

[A] ~~109.5~~ **A101.5.3 Postponed hearing.** When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

Add new text as follows:

A101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

Revise as follows:

[A] ~~109.6~~ **A101.7 Board decision.** The board shall only modify or reverse the decision of the code official by a concurring vote of three or more members.

[A] ~~109.6.1~~ **A101.7.1 Resolution.** The decision of the board shall be by resolution. ~~Certified copies shall be~~ Every decision shall be promptly filed in writing in the office of the code official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant ~~or the appellant's representative~~ and to the code official.

[A] ~~109.6.2~~ **A101.7.2 Administration.** The code official shall take immediate action in accordance with the decision of the board.

[A] ~~109.7~~ **A101.8 Court review.** Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

2018 International Property Maintenance Code

Add new text as follows:

APPENDIX A BOARD OF APPEALS

SECTION A101 GENERAL

A101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section 111 (Means of Appeals). The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the code official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

A101.2 Application for appeal. Any person shall have the right to appeal a decision of the code official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served.

A101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

Revise as follows:

[A] ~~111.8~~ **A101.2.2 Stays of enforcement.** Appeals of notice and orders ~~(other than Imminent Danger notices)~~ shall stay the enforcement of the notice and order until the appeal is heard by the ~~appeals~~ board.

[A] ~~111.2~~ **A101.3 Membership of board.** The board of appeals shall consist of ~~not less than three members who are qualified by experience and training to pass on matters pertaining to property maintenance and who are not employees of the jurisdiction. The five voting members appointed by the chief appointing authority of the jurisdiction. Each member shall serve for [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The code official shall be an ex-officio ex officio member of said board but shall not vote on any matter before the board. The board shall be appointed by the chief appointing authority, and shall serve staggered and overlapping terms.~~

Add new text as follows:

A101.3.1 Qualifications. The board shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction.

Revise as follows:

[A] ~~111.2.1~~ **A101.3.2 Alternate members.** The chief appointing authority ~~shall appoint not less than~~ is authorized to appoint two alternate members who shall be called by the board ~~chairman chairperson~~ to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board ~~membership~~ membership, and shall be appointed for the same term or until a successor has been appointed.

Add new text as follows:

A101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

Revise as follows:

[A] ~~111.2.2~~ **A101.3.4 Chairman: Chairperson.** The board shall annually select one of its members to serve as ~~chairman~~ chairperson.

[A] ~~111.2.4~~ **A101.3.5 Secretary.** The chief ~~administrative officer appointing authority~~ shall designate a qualified ~~person clerk~~ to serve as secretary to the board. The secretary shall file a detailed record of all proceedings ~~in the office of the chief administrative officer, which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.~~

[A] ~~111.2.3~~ **A101.3.6 Disqualification Conflict of member: interest.** A member ~~shall not hear an appeal in which that member has a~~ with any personal, professional or financial interest in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.

[A] ~~111.2.5~~ **A101.3.7 Compensation of members.** Compensation of members shall be determined by law.

Add new text as follows:

A101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms only for cause. Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

Revise as follows:

[A] ~~111.4.1~~ A101.4 Procedure. Rules and procedures. The board shall ~~adopt and make available to the public through the secretary procedures under which a hearing will be conducted. establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law.~~ The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be ~~received. presented.~~

[A] ~~111.3~~ A101.5 Notice of meeting. The board shall meet upon notice from the ~~chairman~~ chairperson, within ~~20~~ 10 days of the filing of an appeal ; or at stated periodic ~~meetings. intervals.~~

Add new text as follows:

[A] A101.5.1 Open hearing. All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official and any person whose interests are affected shall be given an opportunity to be heard.

A101.5.2 Quorum. Three members of the board shall constitute a quorum.

Revise as follows:

[A] ~~111.5~~ A101.5.3 Postponed hearing. When ~~the full board is five members are~~ not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

Add new text as follows:

A101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

Revise as follows:

[A] ~~111.6~~ A101.7 Board decision. The board shall only modify or reverse the decision of the code official ~~only~~ by a concurring vote of a majority of the total number of appointed board ~~three or more~~ members.

[A] ~~111.6.1~~ A101.7.1 Records and copies. Resolution. The decision of the board shall be ~~recorded. Copies shall be~~ by resolution. Every decision shall be promptly filed in writing in the office of the code official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant ~~or the appellant's representative~~ and to the code official.

[A] ~~111.6.2~~ A101.7.2 Administration. The code official shall take immediate action in accordance with the decision of the board.

[A] ~~111.7~~ A101.8 Court review. Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

2018 International Swimming Pool and Spa Code

Add new text as follows:

APPENDIX A **BOARD OF APPEALS**

SECTION A101 **GENERAL**

A101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section 108 (Means of Appeals). The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the code official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

A101.2 Application for appeal. Any person shall have the right to appeal a decision of the code official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served.

A101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

A101.2.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

Revise as follows:

[A] ~~108-2~~ A101.3 Membership of board. The board of ~~appeals~~ shall consist of five voting members appointed by the chief appointing authority ~~as follows: one for 5 years, one for 4 years, one for 3 years, one for 2 years and one for 1 year. Thereafter, each new~~ of the jurisdiction. Each member shall serve for ~~5~~ [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The code official shall be an ex officio member of said board but shall not vote on any matter before the board.

[A] ~~108-2-1~~ A101.3.1 Qualifications. The board of ~~appeals~~ shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction. ~~one from each of the following professions or disciplines:~~

- ~~1. Registered design professional who is a registered architect; or a builder or superintendent of building construction with not less than 10 years' experience, 5 years of which shall have been in responsible charge of work.~~
- ~~2. Registered design professional with structural engineering or architectural experience.~~
- ~~3. Registered design professional with mechanical and plumbing engineering experience; or a mechanical and plumbing contractor with not less than 10 years' experience, 5 years of which shall have been in responsible charge of work.~~
- ~~4. Registered design professional with electrical engineering experience; or an electrical contractor with not less than 10 years' experience, 5 years of which shall have been in responsible charge of work.~~
- ~~5. Registered design professional with pool or spa experience; or a contractor with not less than 10 years' experience, 5 years of which shall have been in responsible charge of work.~~

[A] ~~108-2-2~~ A101.3.2 Alternate members. The chief appointing authority ~~shall~~ is authorized to appoint two alternate members who shall be called by the board ~~chairman-chairperson~~ to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for ~~5 years the same term~~ or until a successor has been appointed.

Add new text as follows:

A101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

Revise as follows:

[A] ~~108-2-3~~ A101.3.4 ~~Chairman. Chairperson.~~ The board shall annually select one of its members to serve as ~~chairman-chairperson~~.

[A] ~~108-2-5~~ A101.3.5 Secretary. The chief ~~administrative officer~~ appointing authority shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of ~~proceedings in the office of the chief administrative officer~~ all proceedings which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.

[A] ~~108-2-4~~ A101.3.6 ~~Disqualification~~ Conflict of member interest. A member shall not hear an appeal in which that member has ~~with~~ any personal, professional or financial ~~interest~~ interest in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.

[A] ~~108-2-6~~ A101.3.7 Compensation of members. Compensation of members shall be determined by law.

Add new text as follows:

A101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms only for cause. Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

Revise as follows:

[A] ~~108-4-1~~ A101.4 ~~Procedure. Rules and procedures.~~ The board shall ~~adopt and make available to the public through the secretary procedures under which a hearing will be conducted~~ establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be ~~received-presented~~.

[A] ~~108-3~~ A101.5 Notice of meeting. The board shall meet upon notice from the ~~chairman~~ chairperson, within 10 days of the filing of an appeal or at stated periodic ~~meetings-intervals~~.

[A] ~~108-4~~ A101.5.1 Open hearing. ~~Hearings~~ All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official and any person whose interests are affected shall be given an opportunity to be heard.

Add new text as follows:

A101.5.2 Quorum. Three members of the board shall constitute a quorum.

Revise as follows:

[A] ~~108-5~~ A101.5.3 Postponed hearing. When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

Add new text as follows:

A101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

Revise as follows:

[A] ~~108-6~~ **A101.7 Board decision.** The board shall only modify or reverse the decision of the code official by a concurring vote of three or more members.

[A] ~~108-6.1~~ **A101.7.1 Resolution.** The decision of the board shall be by resolution. ~~Certified copies shall be~~ Every decision shall be promptly filed in writing in the office of the code official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant or the appellant's representative and to the code official.

[A] ~~108-6.2~~ **A101.7.2 Administration.** The code official shall take immediate action in accordance with the decision of the board.

[A] ~~108-7~~ **A101.8 Court review.** Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

2018 International Wildland-Urban Interface Code

SECTION 106 APPEALS

[A] **106.1 General.** ~~To determine the suitability of alternative materials and methods and to provide for reasonable interpretations of the provisions of this code, there shall be and hereby is created a board of appeals consisting of five members who are qualified by experience and training to pass judgment on pertinent matters. The code official, building official and fire chief shall be ex officio members, and the code official shall act as secretary of the board. The board of appeals shall be appointed by the legislative body and shall hold office at their discretion. The board shall adopt reasonable rules and regulations for conducting its investigations and shall render decisions and findings in writing to the code official, with a duplicate copy to the applicant.~~

Add new text as follows:

A **BOARD OF APPEALS**

SECTION A101 GENERAL

A101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section 106 (Means of Appeals). The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the building official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

A101.2 Application for appeal. Any person shall have the right to appeal a decision of the code official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served.

A101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

A101.2.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

A101.3 Membership of board. The board shall consist of five voting members appointed by the chief appointing authority of the jurisdiction. Each member shall serve for [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The code official shall be an ex officio member of said board but shall not vote on any matter before the board.

A101.3.1 Qualifications. The board shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction.

A101.3.2 Alternate members. The chief appointing authority is authorized to appoint two alternate members who shall be called by the board chairperson to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for the same term or until a successor has been appointed.

A101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

A101.3.4 Chairperson. The board shall annually select one of its members to serve as chairperson.

A101.3.5 Secretary. The chief appointing authority shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of all proceedings which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.

A101.3.6 Conflict of interest. A member with any personal, professional or financial interest in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.

A101.3.7 Compensation of members. Compensation of members shall be determined by law.

A101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms only for cause. Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

A101.4 Rules and procedures. The board shall establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be presented.

A101.5 Notice of meeting. The board shall meet upon notice from the chairperson, within 10 days of the filing of an appeal or at stated periodic intervals.

A101.5.1 Open hearing. All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official and any person whose interests are affected shall be given an opportunity to be heard.

A101.5.2 Quorum. Three members of the board shall constitute a quorum.

A101.5.3 Postponed hearing. When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

A101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

A101.7 Board decision. The board shall only modify or reverse the decision of the code official by a concurring vote of three or more members.

A101.7.1 Resolution. The decision of the board shall be by resolution. Every decision shall be promptly filed in writing in the office of the code official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant or the appellant's representative and to the code official.

A101.7.2 Administration. The code official shall take immediate action in accordance with the decision of the board.

A101.8 Court review. Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

Proposal # 4123

ADM43-19 Part I

ADM43-19 Part II

IRC@: APPENDIX A (New), SECTION A101 (New), A101.1 (New), A101.2 (New), A101.2.1 (New), A101.2.2 (New), A101.3 (New), A101.3.1 (New), A101.3.2 (New), A101.3.3 (New), A101.3.4 (New), A101.3.5 (New), A101.3.6 (New), A101.3.7 (New), A101.3.8 (New), A101.4 (New), A101.5 (New), A101.5.1 (New), A101.5.2 (New), A101.5.3 (New), A101.6 (New), A101.7 (New), A101.7.1 (New), A101.7.2 (New), A101.8 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan (pmgcac@iccsafe.org); Michael O'Brian (fcac@iccsafe.org)

2018 International Residential Code

Add new text as follows:

APPENDIX A BOARD OF APPEALS

SECTION A101 GENERAL

A101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section R112 (Means of Appeals). The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the code official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

A101.2 Application for appeal. Any person shall have the right to appeal a decision of the building official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the building official within 20 days after the notice was served.

A101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

A101.2.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

A101.3 Membership of board. The board shall consist of five voting members appointed by the chief appointing authority of the jurisdiction. Each member shall serve for [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The building official shall be an ex officio member of said board but shall not vote on any matter before the board.

A101.3.1 Qualifications. The board shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction.

A101.3.2 Alternate members. The chief appointing authority is authorized to appoint two alternate members who shall be called by the board chairperson to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for the same term or until a successor has been appointed.

A101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

A101.3.4 Chairperson. The board shall annually select one of its members to serve as chairperson.

A101.3.5 Secretary. The chief appointing authority shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of all proceedings which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.

A101.3.6 Conflict of interest. A member with any personal, professional or financial interest in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.

A101.3.7 Compensation of members. Compensation of members shall be determined by law.

A101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms only for cause. Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

A101.4 Rules and procedures. The board shall establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be presented.

A101.5 Notice of meeting. The board shall meet upon notice from the chairperson, within 10 days of the filing of an appeal or at stated periodic intervals.

A101.5.1 Open hearing. All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official and any person whose interests are affected shall be given an opportunity to be heard.

A101.5.2 Quorum. Three members of the board shall constitute a quorum.

A101.5.3 Postponed hearing. When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

A101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

A101.7 Board decision. The board shall only modify or reverse the decision of the building official by a concurring vote of three or more members.

A101.7.1 Resolution. The decision of the board shall be by resolution. Every decision shall be promptly filed in writing in the office of the building official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant or the appellant's representative and to the building official.

A101.7.2 Administration. The building official shall take immediate action in accordance with the decision of the board.

A101.8 Court review. Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

Proposal # 5719

ADM43-19 Part II

ADM43-19 Part III

IECC: APPENDIX CA (New), SECTION CA101 (New), CA101.1 (New), CA101.2 (New), CA101.2.1 (New), CA101.2.2 (New), CA101.3 (New), CA101.3.1 (New), CA101.3.2 (New), CA101.3.3 (New), CA101.3.4 (New), CA101.3.5 (New), CA101.3.6 (New), CA101.3.7 (New), CA101.3.8 (New), CA101.4 (New), CA101.5 (New), CA101.5.1 (New), CA101.5.2 (New), CA101.5.3 (New), CA101.6 (New), CA101.7 (New), CA101.7.1 (New), CA101.7.2 (New), CA101.8 (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan (pmgcac@iccsafe.org); Michael O'Brian (fcac@iccsafe.org)

2018 International Energy Conservation Code

Add new text as follows:

APPENDIX CA BOARD OF APPEALS-COMMERCIAL

SECTION CA101 GENERAL

CA101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section C109 (Means of Appeals). The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the code official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

CA101.2 Application for appeal. Any person shall have the right to appeal a decision of the code official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served.

CA101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

CA101.2.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

CA101.3 Membership of board. The board shall consist of five voting members appointed by the chief appointing authority of the jurisdiction. Each member shall serve for [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The code official shall be an ex officio member of said board but shall not vote on any matter before the board.

CA101.3.1 Qualifications. The board shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction.

CA101.3.2 Alternate members. The chief appointing authority is authorized to appoint two alternate members who shall be called by the board chairperson to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for the same term or until a successor has been appointed.

CA101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

CA101.3.4 Chairperson. The board shall annually select one of its members to serve as chairperson.

CA101.3.5 Secretary. The chief appointing authority shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of all proceedings which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.

CA101.3.6 Conflict of interest. A member with any personal, professional or financial interest in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.

CA101.3.7 Compensation of members. Compensation of members shall be determined by law.

CA101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms only for cause. Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

CA101.4 Rules and procedures. The board shall establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant

information be presented.

CA101.5 Notice of meeting. The board shall meet upon notice from the chairperson, within 10 days of the filing of an appeal or at stated periodic intervals.

CA101.5.1 Open hearing. All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official and any person whose interests are affected shall be given an opportunity to be heard.

CA101.5.2 Quorum. Three members of the board shall constitute a quorum.

CA101.5.3 Postponed hearing. When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

CA101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

CA101.7 Board decision. The board shall only modify or reverse the decision of the code official by a concurring vote of three or more members.

CA101.7.1 Resolution. The decision of the board shall be by resolution. Every decision shall be promptly filed in writing in the office of the code official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant or the appellant's representative and to the code official.

CA101.7.2 Administration. The code official shall take immediate action in accordance with the decision of the board.

CA101.8 Court review. Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

Proposal # 5720

ADM43-19 Part III

ADM43-19 Part IV

IECC: Appendix RA (New)

Proponent: Ed Kulik, representing ICC Building Code Action Committee (bcac@iccsafe.org); Pennie Feehan (pmgcac@iccsafe.org); Michael O'Brian (fcac@iccsafe.org)

2018 International Energy Conservation Code

Add new text as follows:

APPENDIX RA **BOARD OF APPEALS-RESIDENTIAL** **SECTION RA101** **GENERAL**

RA101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section R109 (Means of Appeals). The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the code official pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

RA101.2 Application for appeal. Any person shall have the right to appeal a decision of the code official to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the code official within 20 days after the notice was served.

RA101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

RA101.2.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

RA101.3 Membership of board. The board shall consist of five voting members appointed by the chief appointing authority of the jurisdiction. Each member shall serve for [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The code official shall be an ex officio member of said board but shall not vote on any matter before the board.

RA101.3.1 Qualifications. The board shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction.

RA101.3.2 Alternate members. The chief appointing authority is authorized to appoint two alternate members who shall be called by the board chairperson to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for the same term or until a successor has been appointed.

RA101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

RA101.3.4 Chairperson. The board shall annually select one of its members to serve as chairperson.

RA101.3.5 Secretary. The chief appointing authority shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of all proceedings which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.

RA101.3.6 Conflict of interest. A member with any personal, professional or financial interest in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.

RA101.3.7 Compensation of members. Compensation of members shall be determined by law.

RA101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms only for cause. Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

RA101.4 Rules and procedures. The board shall establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be presented.

RA101.5 Notice of meeting. The board shall meet upon notice from the chairperson, within 10 days of the filing of an appeal or at stated periodic

intervals.

RA101.5.1 Open hearing. All hearings before the board shall be open to the public. The appellant, the appellant's representative, the code official and any person whose interests are affected shall be given an opportunity to be heard.

RA101.5.2 Quorum. Three members of the board shall constitute a quorum.

RA101.5.3 Postponed hearing. When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

RA101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

RA101.7 Board decision. The board shall only modify or reverse the decision of the code official by a concurring vote of three or more members.

RA101.7.1 Resolution. The decision of the board shall be by resolution. Every decision shall be promptly filed in writing in the office of the code official within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant or the appellant's representative and to the code official.

RA101.7.2 Administration. The code official shall take immediate action in accordance with the decision of the board.

RA101.8 Court review. Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

Reason: The intent of this proposal is to have a consistent set of requirements for the Board of Appeals. The right for someone to have an appeal is addressed in a separate proposal for Means of Appeals. Currently the IBC and IFC have these requirements in an appendix, while other codes either don't have it at all or have it in the text. It was felt that appendix was a more appropriate place to allow for the jurisdiction to establish their own criteria, or to use this appendix as a template.

The BCAC is working from the philosophy that ICC is a family of codes, so administrative requirements should be consistent across books. Most administrative and enforcement matters are the same for any code. Those matters unique for a specific code remain unchanged. This is one of a series of proposals being submitted relating to technical, editorial and organizational changes proposed for the Administrative chapters (Chapter 1) in all of the I-Codes.

While the Administrative Committee will consider each proposal independently, the proposals in this package are a correlated set of companion code change proposals."

The following is the template utilized to create this code change proposal. There may be some differences depending on the unique applications of each code – such as "building/fire/code official".

APPENDIX A

BOARD OF APPEALS

SECTION A101

GENERAL

A101.1 Scope. A board of appeals shall be established within the jurisdiction for the purpose of hearing applications for modification of the requirements of this code pursuant to the provisions of Section XXX (Means of Appeals). The board shall be established and operated in accordance with this section, and shall be authorized to hear evidence from appellants and the *code official* pertaining to the application and intent of this code for the purpose of issuing orders pursuant to these provisions.

A101.2 Application for appeal. Any person shall have the right to appeal a decision of the *code official* to the board. An application for appeal shall be based on a claim that the intent of this code or the rules legally adopted hereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The application shall be filed on a form obtained from the *code official* within 20 days after the notice was served.

A101.2.1 Limitation of authority. The board shall not have authority to waive requirements of this code or interpret the administration of this code.

A101.2.2 Stays of enforcement. Appeals of notice and orders, other than Imminent Danger notices, shall stay the enforcement of the notice and order until the appeal is heard by the board.

A101.3 Membership of board. The board shall consist of five voting members appointed by the chief appointing authority of the jurisdiction. Each member shall serve for [INSERT NUMBER OF YEARS] years or until a successor has been appointed. The board member's terms shall be staggered at intervals, so as to provide continuity. The *code official* shall be an ex officio member of said board but shall not vote on any matter before the board.

A101.3.1 Qualifications. The board shall consist of five individuals, who are qualified by experience and training to pass on matters pertaining to building construction and are not employees of the jurisdiction.

A101.3.2 Alternate members. The chief appointing authority may appoint two alternate members who shall be called by the board chairperson to hear appeals during the absence or disqualification of a member. Alternate members shall possess the qualifications required for board membership, and shall be appointed for the same term or until a successor has been appointed.

A101.3.3 Vacancies. Vacancies shall be filled for an unexpired term in the same manner in which original appointments are required to be made.

A101.3.4 Chairperson. The board shall annually select one of its members to serve as chairperson.

A101.3.5 Secretary. The chief appointing authority shall designate a qualified clerk to serve as secretary to the board. The secretary shall file a detailed record of all proceedings which shall set forth the reasons for the board's decision, the vote of each member, the absence of a member and any failure of a member to vote.

A101.3.6 Conflict of interest. A member with any personal, professional or financial interest in a matter before the board shall declare such interest and refrain from participating in discussions, deliberations and voting on such matters.

A101.3.7 Compensation of members. Compensation of members shall be determined by law.

A101.3.8 Removal from the board. A member shall be removed from the board prior to the end of their terms only for cause. Any member with continued absence from regular meeting of the board may be removed at the discretion of the chief appointing authority.

A101.4 Rules and procedures. The board shall establish policies and procedures necessary to carry out its duties consistent with the provisions of this code and applicable state law. The procedures shall not require compliance with strict rules of evidence, but shall mandate that only relevant information be presented.

A101.5 Notice of meeting. The board shall meet upon notice from the chairperson, within 10 days of the filing of an appeal or at stated periodic intervals.

A101.5.1 Open hearing. All hearings before the board shall be open to the public. The appellant, the appellant's representative, the *code official* and any person whose interests are affected shall be given an opportunity to be heard.

A101.5.2 Quorum. Three members of the board shall constitute a quorum.

A101.5.3 Postponed hearing. When five members are not present to hear an appeal, either the appellant or the appellant's representative shall have the right to request a postponement of the hearing.

A101.6 Legal counsel. The jurisdiction shall furnish legal counsel to the board to provide members with general legal advice concerning matters before them for consideration. Members shall be represented by legal counsel at the jurisdiction's expense in all matters arising from service within the scope of their duties.

A101.7 Board decision. The board shall only modify or reverse the decision of the *code official* by a concurring vote of three or more members.

A101.7.1 Resolution. The decision of the board shall be by resolution. Every decision shall be promptly filed in writing in the office of the *code official* within three days and shall be open to the public for inspection. A certified copy shall be furnished to the appellant or the appellant's representative and to the *code official*.

A101.7.2 Administration. The *code official* shall take immediate action in accordance with the decision of the board.

A101.8 Court review. Any person, whether or not a previous party of the appeal, shall have the right to apply to the appropriate court for a writ of certiorari to correct errors of law. Application for review shall be made in the manner and time required by law following the filing of the decision in the office of the chief administrative officer.

This proposal is submitted by the ICC Building Code Action Committee (BCAC), the ICC Fire Code Action Committee (FCAC), the ICC Sustainable, Energy and High Performance Code Action Committee (SEHPCAC) and the ICC Plumbing/Mechanical/Gas Code Action Committee (PMG CAC).

BCAC was established by the ICC Board of Directors in July 2011 to pursue opportunities to improve and enhance assigned International Codes or portions thereof. Since 2017 the BCAC has held 6 open meetings. In addition, there were numerous Working Group meetings and conference calls for the current code development cycle, which included members of the committee as well as any interested party to discuss and debate the proposed changes. Related documentation and reports are posted on the BCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/building-code-actioncommittee-bcac>.

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 2018 the Fire-CAC has held 3 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: <https://www.iccsafe.org/codes-tech-support/cs/fire-code-action-committee-fcac/>

The SEHPCAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance International Codes with regard to sustainability, energy and high performance as it relates to the built environment included, but not limited to, how these criteria relate to the International Green Construction Code (IgCC) and the International Energy Conservation Code (IECC). In 2018-2019, the SEHPCAC has held five two- or three-day open meetings and numerous workgroup calls, to discuss and debate proposed changes and public comments. Attendees at the meetings and calls included members of the SEHPCAC as well as any interested parties. Related documentation and reports are posted on the SEHPCAC website at <http://www.iccsafe.org/cs/SEHPCAC/Pages/default.aspx>.

The PMG CAC was established by the ICC Board of Directors to pursue opportunities to improve and enhance the International Codes or portions thereof that were under the purview of the PMG CAC. In 2017-2018, the PMG CAC held one face-to-face meeting and 11 conference call meetings. Numerous interested parties attended the committee meetings and offered their input. Related documentation and reports are posted on the PMGCAC website at: <https://www.iccsafe.org/codes-tech-support/codes/code-development-process/pmg-code-action-committee-pmgcac>.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
This is an editorial correlation and an option for jurisdictions to follow.

Proposal # 5721

ADM43-19 Part IV

ADM44-19

Appendix O (New)

Proponent: Gary Lewis, City of Summit NJ, representing City of Summit NJ (glewis@cityofsummit.org); Don Havener, representing Self (dhavener@cosentini.com); Raymond Grill, representing Self (ray.grill@arup.com)

2018 International Building Code

Add new text as follows:

APPENDIX O **PERFORMANCE-BASED APPLICATION**

O101.1 Introduction. The following administrative provisions are excerpted from the ICC Performance Code for Buildings and Facilities. These can be used in conjunction with the Alternate Methods provisions in Chapter 1, or for a review of submittals such as those in Section 909 or elsewhere requiring a rational analysis or performance-based design to provide a recognized framework for the code official in terms of the design expertise needed, the necessary submittals, a review framework and related items. While not every step is required in every instance, these model provisions serve as the starting point for the formulation of an effective submittal and corresponding thorough review.

O101.2 Qualifications. Registered design professionals shall possess the knowledge, skills and abilities necessary to demonstrate compliance with this code.

O101.3 Construction document preparation. Construction documents required by this code shall be prepared in adequate detail and submitted for review and approval in accordance with Section 107.

O101.3.1 Review. Construction documents submitted in accordance with this code shall be reviewed for code compliance with the appropriate code provisions in accordance with Section 107.

O101.4 Construction. Construction shall comply with the approved construction documents submitted in accordance with this code, and shall be verified and approved to demonstrate compliance with this code.

O101.4.1 Facility operating policies and procedures. Policies, operations, training and procedures shall comply with approved documents submitted in accordance with this code, and shall be verified and approved to demonstrate compliance with this code.

O101.4.2 Maintenance. Maintenance of the performance-based design shall be ensured throughout the life of the building or portion thereof.

O101.4.3 Changes. The owner or the owner's authorized agent shall be responsible to ensure that any change to the facility, process, or system does not increase the hazard level beyond that originally designed without approval and that changes shall be documented in accordance with the code.

O101.5 Documentation. The registered design professional shall prepare appropriate documentation for the project that clearly provides the design approach and rationale for design submittal, construction and future use of the building, facility or process.

O101.5.1 Reports and Manuals. The design report shall document the steps taken in the design analysis, clearly identifying the criteria, parameters, inputs, assumptions, sensitivities and limitations involved in the analysis. The design report shall clearly identify bounding conditions, assumptions and sensitivities that clarify the expected uses and limitations of the performance analysis. This report shall verify that the design approach is in compliance with the applicable codes and acceptable methods and shall be submitted for concurrence by the code official prior to the construction documents being completed. The report shall document the design features to be incorporated based on the analysis. The design report shall address the following:

1. Project scope.
2. Goals and objectives.
3. Performance criteria.
4. Hazard scenarios.
5. Design fire loads and hazards.
6. Final design.
7. Evaluation.
8. Bounding conditions and critical design assumptions.
9. Critical design features.
10. System design and operational requirements.
11. Operational and maintenance requirements.
12. Commissioning testing requirements and acceptance criteria.
13. Frequency of certificate renewal.
14. Supporting documents and references.

15. Preliminary site and floor plans.

O101.5.2 Design Submittal. Applicable construction documents shall be submitted to the code official for review. The documents shall be submitted in accordance with the jurisdiction's procedures and in sufficient detail to obtain appropriate permits.

O101.6 Review. Construction documents submitted in accordance with this code shall be reviewed for code compliance with the appropriate code provisions.

O101.6.1 Peer review. The owner or the owner's authorized agent shall be responsible for retaining and furnishing the services of a registered design professional or recognized expert, who will perform as a peer reviewer, where required and approved by the code official.

O101.6.2 Costs. The costs of special services, including contract review, where required by the code official, shall be borne by the owner or the owner's authorized agent.

O101.7 Permits. Prior to the start of construction, appropriate permits shall be obtained in accordance with the jurisdiction's procedures and applicable codes.

O101.8 Verification of compliance. Upon completion of the project, documentation shall be prepared that verifies performance and prescriptive code provisions have been met. Where required by the code official, the registered design professional shall file a report that verifies bounding conditions are met.

O101.9 Extent of documentation. Approved construction documents, the operations and maintenance manual, inspection and testing records, and certificates of occupancy with conditions shall be included in the project documentation of the code official's records.

O101.10 Analysis of change. The registered design professional shall evaluate the existing building, facilities, premises, processes, contents and the applicable documentation of the proposed change as it affects portions of the building, facility, premises, processes and contents that were previously designed for compliance under a performance-based code. Prior to any change that was not documented in a previously approved design, the registered design professional shall examine the applicable design documents, bounding conditions, operation and maintenance manuals, and deed restrictions.

Reason: This proposal does not generate any new code requirements, but rather provides an optional design, review and approval framework for use by the code official. Typical uses would include cases of alternate methods in Chapter 1, select areas of the IBC that require a rational analysis such as Section 909 and elsewhere. The proposed Appendix simply extracts the relevant administrative provisions from the ICC Performance Code into a more concise, usable appendix format for a jurisdiction confronted with such a need. Currently there are multiple, varying jurisdictional rules and procedures in many communities regarding procedure and none in even more. The code official is often left alone to reach decisions not just on the merits of a design, but must first also decide on the submittal and review process.

As an Appendix, it is entirely optional to a jurisdiction. It can be adopted, adopted with local modifications, or even used on a case-by-case basis as part of a Memorandum of Understanding or similar legal agreement between the jurisdiction and the owner/design team. It simply represents another tool for the jurisdiction to reach for in cases of need; it neither encourages nor creates any additional opportunity for performance-based design.

Cost Impact: The code change proposal will not increase or decrease the cost of construction

As this provision is an Appendix and, as such, remains optional to the jurisdiction, it imparts no new code requirements and, therefore, no new costs. In fact, by potentially addressing these administrative process issues at the outset, use of the Appendix could realistically result in cost savings.

Proposal # 637

ADM44-19

ADM45-19

IBC®: APPENDIX O (New), O101.1, O102.1, O103.1 (New)

Proponent: Ali Fattah, City of San Diego, representing City of San Diego (afattah@sandiego.gov)

2018 International Building Code

Add new text as follows:

APPENDIX O APPROVAL OF PRODUCT EVALUATION AND LISTING AGENCIES

O101.1 Purpose. The purpose of this appendix is to provide the Building Official criteria to assist in the consideration and approval of products and systems supported by product listings and product evaluation reports. The Building Official is authorized to accept research reports and product listings as proof of compliance with the International Building Code under the authority in Section 104.11 and as defined in Section 1703.4.2. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the building official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, not less than the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety. Where the alternative material, design or method of construction.

O102.1 Definitions. Approved Agency – See Section 202

Approved Listing Agency - Any agency approved by the Building Official which is in the business of listing and labeling and which makes available at least an annual published report of such listings in which specific information is included that the product has been tested to recognized standards and found to comply.

Approved Testing Agency - An agency which is determined by the Building Official to have adequate personnel and expertise to carry out the testing of systems, materials types of construction, fixtures or appliances.

Approved Source See Section 202

Label - See Section 202

Research report – A report published by an approved source to provide technical evaluation that a new or alternative material, product, design or method of construction complies with the intent of the International Building Code and includes supporting data, and where necessary, to assist in the approval of materials or assemblies not specifically provided for in the code.

O103.1 Qualifications. Listing Agencies issuing a product Listing, and Approved Sources issuing a Research Report, shall be accredited by an approved accreditation body as to competence and capability in compliance with Sections 1703.1.1 through 1703.1.3. Approved Product Listing or Approved Sources issuing product evaluation reports satisfy the following requirements:

Reason: This code change is necessary to address the significant increase in the number of testing agencies and engineering firms as well as industry associations developing product certification programs. The proposed Appendix offers an option for the Building Official to adopt the rules and criteria necessary criteria to evaluate the qualifications of the listing or product evaluation agency seeking recognition and approval. The Appendix can be applied to the IBC and IRC so a separate code change is not being proposed for the IRC. All jurisdictions adopt a building code in addition to one or more of the other codes that are members of the ICC family of codes so jurisdictions adopting the IBC have the option to adopt the proposed Appendix .

The code change also seeks to lay the ground work the formation of a body to create acceptance criteria used by all agencies. If one is not created then ICC Evaluation Service or IAPMO's Uniform Evaluation Service will be the only agencies we know that develop and publish evaluation criteria. Uniform acceptance criteria prevent venue shopping and improve the integrity of the process so that outcomes of the evaluations are reasonably similar. When the legacy Uniform Building Code published UBC Standards in volume 3 such standards existed and were regularly referenced. Unfortunately this is no longer true in today's competitive market place.

ICC created its subsidiaries ICC ES and IAS to service the needs of the Building Official and manufacturers to create an accreditation process for testing agencies and product evaluation agencies producing research reports amongst others. They also created a service that produces research reports on behalf of the Building Official. The outcome of these evaluations and listings need to be accepted by the Building Official to be implemented. The technical reviews are performed on behalf of the Building Official so as not to require each jurisdiction to develop their own internal process for accepting building products.

A healthy competitive market with firms producing product listings and research reports has resulted in the need to create rules that facilitate approval or disapproval of these agencies and to create uniformity in the industry.

Cost Impact: The code change proposal will not increase or decrease the cost of construction

This code change is mainly process related and does not impose new requirements. Most agencies function as proposed in the code change.

Proposal # 2339

ADM45-19

ADM46-19 Part I

PART I — IBC®: [A] 107.1; IFC®: [A] 105.4.2; IEBC®: [A] 106.1; IPC®: [A] 106.3.1; IMC®: [A] 106.3.1; IFGC®: [A] 106.3.1; ISPSC®: [A] 105.3; IPSC®: [A] 106.2.1; IWUIC®: [A] 108.1

PART II — IRC®: R106.1

PART III — IECC: C103.1

PART IV — IECC: R103.1

Proponent: Micah Chappell, representing Department of Construction and Inspections (micah.chappell@seattle.gov)

THIS IS A 4 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE CODE COMMITTEE. PART II WILL BE HEARD BY THE IRC-BUILDING CODE COMMITTEE. PART III WILL BE HEARD BY THE IECC-COMMERCIAL CODE COMMITTEE. PART IV WILL BE HEARD BY THE IECC-RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMITTEES.

2018 International Building Code

[A] 107.1 General. Submittal documents consisting of *construction documents*, statement of *special inspections*, geotechnical report and other data shall be submitted in two or more sets, or in a digital format where allowed by the building official, with each *permit* application. The *construction documents* shall be prepared by a *registered design professional* where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the *building official* is authorized to require additional *construction documents* to be prepared by a *registered design professional*.

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data not required to be prepared by a *registered design professional* if it is found that the nature of the work applied for is such that review of *construction documents* is not necessary to obtain compliance with this code.

2018 International Fire Code

[A] 105.4.2 Information on construction documents. *Construction documents* shall be drawn to scale on suitable material. ~~Electronic media documents~~ Documents in a digital format are allowed to be submitted where *approved* by the *fire code official*. *Construction documents* shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations as determined by the *fire code official*.

2018 International Existing Building Code

[A] 106.1 General. Submittal documents consisting of construction documents, special inspection and structural observation programs, investigation and evaluation reports, and other data shall be submitted in two or more sets, or in a digital format where allowed by the building official, with each application for a permit. The construction documents shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the *code officials* authorized to require additional construction documents to be prepared by a registered design professional.

Exception: The *code official* is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that reviewing of construction documents is not necessary to obtain compliance with this code.

2018 International Plumbing Code

[A] 106.3.1 Construction documents. Construction documents, engineering calculations, diagrams and other such data shall be submitted in two or more sets, or in a digital format where allowed by the building official, with each application for a permit. The code official shall require construction documents, computations and specifications to be prepared and designed by a registered design professional where required by state law. Construction documents shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code. Construction documents for buildings more than two stories in height shall indicate where penetrations will be made for pipes, fittings and components and shall indicate the materials and methods for maintaining required structural safety, fire-resistance rating and fireblocking.

Exception: The code official shall have the authority to waive the submission of construction documents, calculations or other data if the nature of the work applied for is such that reviewing of construction documents is not necessary to determine compliance with this code.

2018 International Mechanical Code

[A] 106.3.1 Construction documents. *Construction documents*, engineering calculations, diagrams and other data shall be submitted in two or more sets, or in a digital format where allowed by the building official, with each application for a permit. The code official shall require *construction documents*, computations and specifications to be prepared and designed by a *registered design professional* where required by state law. Where

special conditions exist, the code official is authorized to require additional *construction documents* to be prepared by a *registered design professional*. *Construction documents* shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code. *Construction documents* for buildings more than two stories in height shall indicate where penetrations will be made for mechanical systems, and the materials and methods for maintaining required structural safety, fire-resistance rating and fireblocking.

Exception: The code official shall have the authority to waive the submission of *construction documents*, calculations or other data if the nature of the work applied for is such that reviewing of *construction documents* is not necessary to determine compliance with this code.

2018 International Fuel Gas Code

[A] 106.3.1 Construction documents. *Construction documents*, engineering calculations, diagrams and other data shall be submitted in two or more sets, or in a digital format where allowed by the building official, with each application for a permit. The code official shall require *construction documents*, computations and specifications to be prepared and designed by a registered design professional where required by state law. *Construction documents* shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code. *Construction documents* for buildings more than two stories in height shall indicate where penetrations will be made for installations and shall indicate the materials and methods for maintaining required structural safety, fire-resistance rating and fireblocking.

Exception: The code official shall have the authority to waive the submission of *construction documents*, calculations or other data if the nature of the work applied for is such that reviewing of *construction documents* is not necessary to determine compliance with this code.

2018 International Swimming Pool and Spa Code

[A] 105.3 Construction documents. Construction documents, engineering calculations, diagrams and other such data shall be submitted in two or more sets, or in a digital format where allowed by the building official, with each application for a permit. The code official shall require construction documents, computations and specifications to be prepared and designed by a registered design professional where required by state law. Construction documents shall be drawn to scale and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that the work conforms to the provisions of this code.

2018 International Private Sewage Disposal Code

[A] 106.2.1 Construction documents. An application for a permit shall be accompanied by not less than two copies of construction documents drawn to scale, or in a digital format where allowed by the building official, with sufficient clarity and detail dimensions showing the nature and character of the work to be performed. Specifications shall include pumps and controls, dose volume, elevation differences (vertical lift), pipe friction loss, pump performance curve, pump model and pump manufacturer. The code official is permitted to waive the requirements for filing construction documents where the work involved is of a minor nature. Where the quality of the materials is essential for conformity to this code, specific information shall be given to establish such quality, and this code shall not be cited, or the term "legal" or its equivalent used as a substitute for specific information.

2018 International Wildland-Urban Interface Code

[A] 108.1 General. Plans, engineering calculations, diagrams and other data shall be submitted in not fewer than two sets, or in a digital format where allowed by the building official, with each application for a permit. The construction documents shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the code official is authorized to require additional documents to be prepared by a registered design professional.

Exception: Submission of plans, calculations, construction inspection requirements and other data, if it is found that the nature of the work applied for is such that reviewing of plans is not necessary to obtain compliance with this code.

Proposal # 4420

ADM46-19 Part I

ADM46-19 Part II

IRC@: R106.1

Proponent: Micah Chappell, representing Department of Construction and Inspections (micah.chappell@seattle.gov)

2018 International Residential Code

Revise as follows:

R106.1 Submittal documents. Submittal documents consisting of *construction documents*, and other data shall be submitted in two or more sets, or in a digital format where allowed by the building official, with each application for a *permit*. The *construction documents* shall be prepared by a registered *design professional* where required by the statutes of the *jurisdiction* in which the project is to be constructed. Where special conditions exist, the *building official* is authorized to require additional *construction documents* to be prepared by a registered *design professional*.

Exception: The *building official* is authorized to waive the submission of *construction documents* and other data not required to be prepared by a registered *design professional* if it is found that the nature of the work applied for is such that reviewing of *construction documents* is not necessary to obtain compliance with this code.

Proposal # 5819

ADM46-19 Part II

ADM46-19 Part III

IECC: C103.1

Proponent: Micah Chappell, representing Department of Construction and Inspections (micah.chappell@seattle.gov)

2018 International Energy Conservation Code

C103.1 General. Construction documents and other supporting data shall be submitted in one or more sets, or in a digital format where allowed by the building official, with each application for a permit. The construction documents shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the *code official* is authorized to require necessary construction documents to be prepared by a registered design professional.

Exception: The *code official* is authorized to waive the requirements for construction documents or other supporting data if the *code official* determines they are not necessary to confirm compliance with this code.

Proposal # 5820

ADM46-19 Part III

ADM46-19 Part IV

IECC: R103.1

Proponent: Micah Chappell, representing Department of Construction and Inspections (micah.chappell@seattle.gov)

2018 International Energy Conservation Code

R103.1 General. Construction documents, technical reports and other supporting data shall be submitted in one or more sets, or in a digital format where allowed by the building official, with each application for a permit. The construction documents and technical reports shall be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed. Where special conditions exist, the *code official* is authorized to require necessary construction documents to be prepared by a registered design professional.

Exception: The *code official* is authorized to waive the requirements for construction documents or other supporting data if the *code official* determines they are not necessary to confirm compliance with this code.

Reason: There is nothing in the administrative section of the code allowing digital formats of construction document sets. Most building departments in the country accept digital applications, plans and other submittal documents. This should be recognized in the text of the codes.

Cost Impact: The code change proposal will not increase or decrease the cost of construction. This only clarifies that the building official can accept digital documents. There is no increase in cost to anyone.

Proposal # 5821

ADM46-19 Part IV

ADM47-IBC-19

IBC®: AA Chapter 35, AAMA Chapter 35, ACI Chapter 35, AISI Chapter 35, ANSI Chapter 35, APA Chapter 35, ASABE Chapter 35, ASCE/SEI Chapter 35, ASME Chapter 35, 35 ASSE, ASSE Chapter 35, ASTM Chapter 35, AWC Chapter 35, AWWA Chapter 35, AWS Chapter 35, BHMA Chapter 35, CSA Chapter 35, DASMA Chapter 35, DOC Chapter 35, FM Chapter 35, GA Chapter 35, NAAMM Chapter 35, NCMA Chapter 35, NFPA Chapter 35, PCI Chapter 35, PTI Chapter 35, SBCA Chapter 35, SPRI Chapter 35, TIA Chapter 35, TMS Chapter 35, UL Chapter 35, ULC Chapter 35, 35 WRI

AA		Aluminum Association	
Standard Reference Number	Title	Referenced in Code(s):	
ADM1—2015 <u>ADM1—2020</u>	Aluminum Design Manual: Part 4— A Specification—1—Specification for Aluminum Structures	IBC®	

AAMA		American Architectural Manufacturers Association	
Standard Reference Number	Title	Referenced in Code(s):	
711—16 <u>711—20</u>	Voluntary Specification for Self Adhering Flashing Used for Installation of Exterior Wall Fenestration Products	IBC®	IRC®
714—15 <u>714—20</u>	Voluntary Specification for Liquid Applied Flashing Used to Create a Water-resistive Seal around Exterior Wall Openings in Buildings	IBC®	IRC®

ACI		American Concrete Institute	
Standard Reference Number	Title	Referenced in Code(s):	
318—14 <u>318—19</u>	Building Code Requirements for Structural Concrete	IBC®	IRC®

AISI		American Iron and Steel Institute	
Standard Reference Number	Title	Referenced in Code(s):	
AISI S100—16 <u>S1-18</u>	North American Specification for the Design of Cold-formed Steel Structural Members, 2016, <u>with Supplement 1, dated 2018</u>	IBC®	IRC®
AISI S202—15 <u>S202—20</u>	Code of Standard Practice for Cold-formed Steel <u>Structural Framing</u> , 2015 <u>2020</u>	IBC®	
AISI S220—15 <u>S220—20</u>	North American Standard for Cold-formed Steel Framing—Nonstructural Members, 2015 <u>2020</u>	IBC®	IRC®
AISI S230—15 <u>S230—18</u>	Standard for Cold-formed Steel Framing—Prescriptive Method for One- and Two-family Dwellings, 2015 <u>2018</u>	IBC®	IRC®
AISI S240—15 <u>S240—20</u>	North American Standard for Cold-Formed Steel Structuring Framing, 2015 <u>2020</u>	IBC®	IRC®
AISI S400—15 <u>S1—16</u> <u>S400—20</u>	North American Standard for Seismic Design of Cold-formed Steel Structural Systems, 2015, with Supplement 1, dated 2016 <u>2020</u>	IBC®	

ANSI		American National Standards Institute	
Standard Reference Number	Title	Referenced in Code(s):	
A13.1—2015 <u>A13.1—2020</u>	Scheme for the Identification of Piping Systems	IBC®	IFC®
A108.1A—16 <u>A108.1A—17</u>	Installation of Ceramic Tile in the Wet-set Method, with Portland Cement Mortar	IBC®	IRC®
A108.1B—99 <u>A108.1B—17</u>	Installation of Ceramic Tile, Quarry Tile on a Cured Portland Cement Mortar Setting Bed with Dry-set or Latex-Portland Mortar	IBC®	IRC®
A108.4—99 <u>A108.4—09</u>	Installation of Ceramic Tile with Organic Adhesives or Water-cleanable Tile-setting Epoxy Adhesive	IBC®	IRC®

A108.5—99 <u>A108.5—19</u>	Installation of Ceramic Tile with Dry-set Portland Cement Mortar or Latex-Portland Cement Mortar	IBC®	IRC®
A108.6—99 <u>A108.6—19</u>	Installation of Ceramic Tile with Chemical-resistant, Water Cleanable Tile-setting and -grouting Epoxy	IBC®	IRC®
A108.8—99 <u>A108.8—19</u>	Installation of Ceramic Tile with Chemical-resistant Furan Resin Mortar and Grout	IBC®	
A108.9—99 <u>A108.9—19</u>	Installation of Ceramic Tile with Modified Epoxy Emulsion Mortar/Grout	IBC®	
A108.10—99 <u>A108.10—17</u>	Installation of Grout in Tilework	IBC®	
A118.1—16 <u>A118.1—18</u>	American National Standard Specifications for Dry-set Portland Cement Mortar	IBC®	IRC®
A118.3—13 <u>A118.3—20</u>	American National Standard Specifications for Chemical-resistant, Water-cleanable Tile-setting and -grouting Epoxy and Water Cleanable Tile-setting Epoxy Adhesive	IBC®	IRC®
A118.4—16 <u>A118.4—18</u>	American National Standard Specifications for Modified Dry-set Cement Mortar	IBC®	IRC®
A118.6—10 <u>A118.6—19</u>	American National Standard Specifications for Cement Grouts for Tile Installation	IBC®	
A136.1—08 <u>A136.1—19</u>	American National Standard Specifications for the Installation of Ceramic Tile	IBC®	IRC®
A137.1—17 <u>A137.1—19</u>	American National Standard Specifications for Ceramic Tile	IBC®	IRC®

APA	APA - Engineered Wood Association
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Standard Reference Number	Title	Referenced in Code(s):
ANSI 447—15 <u>117—2020</u>	Standard Specification for Structural Glued Laminated Timber of Softwood Species	IBC®
ANSI/APA A190.1—17 <u>A190.1—2017</u>	Structural Glued Laminated Timber	IBC®
ANSI/APA PRP 210—14 <u>210—2019</u>	Standard for Performance-Rated Engineered Wood Siding	IBC®
APA PDS—12 <u>PDS—20</u>	Panel Design Specification	IBC®
ANSI/APA PRG 320—17 <u>320—2019</u>	Standard for Performance-rated Cross-laminated Timber	IBC®
APA R540—13 <u>R540—19</u>	Builders <u>Builder</u> Tips: Proper Storage and Handling of Glulam Beams	IBC®
APA S475—16 <u>S475—20</u>	Glued Laminated Beam Design Tables	IBC®
APA S560—14 <u>S560—20</u>	Field Notching and Drilling of Glued Laminated Timber Beams	IBC®
APA X450—01 <u>X450—18</u>	Glulam in Residential Construction— Western Edition <u>Building—Construction Guide</u>	IBC®

ASABE	American Society of Agricultural and Biological Engineers
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Standard Reference Number	Title	Referenced in Code(s):
EP 484.3 MON2016 <u>DEC2017</u>	Diaphragm Design of Metal-clad, Wood-frame Rectangular Buildings	IBC®
EP 486.2 OCT 2012ED <u>486.3 SEP2017</u>	Shallow-post and Pier Foundation Design	IBC®
EP 559.2 MON2016 <u>559.1 W/Corr. AUG2010 (R2014)</u>	Design Requirements and Bending Properties for Mechanically Laminated Wood Assemblies	IBC®

ASCE/SEI	American Society of Civil EngineersStructural Engineering Institute
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Standard Reference Number	Title	Referenced in Code(s):
7—16 <u>with Supplement 1</u>	Minimum Design Loads and Associated Criteria for Buildings and Other Structures	IBC® IEBC® IRC®

24—14 24—20	Flood Resistant Design and Construction	IBC®	IRC®
29—17 29—19	Standard Calculation Methods for Structural Fire Protection	IBC®	
49—07 49—12	Wind Tunnel Testing for Buildings and Other Structures	IBC®	

ASME	American Society of Mechanical Engineers		
Standard Reference Number	Title	Referenced in Code(s):	
ASME/A17.1—2016 A17.1—2019/CSA B44—16 B44—19	Safety Code for Elevators and Escalators	IBC®	
A17.7—2007/CSA B44—07 (R2012 R2019)	Performance-based Safety Code for Elevators and Escalators	IBC®	
A18.1—2014 A18.1—2020	Safety Standard for Platform Lifts and Stairway Chairlifts	IBC® IRC®	IEBC®
A90.1—2015 A90.1—2020	Safety Standard for Belt Manlifts	IBC®	
B16.18—2012 B16.18—2018	Cast Copper Alloy Solder Joint Pressure Fittings	IBC® IMC® IRC®	IFC® IPC®
B16.22—2013 B16.22—2018	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	IBC® IMC® IRC®	IFC® IPC®
B20.1—2015 B20.1—2021	Safety Standard for Conveyors and Related Equipment	IBC®	
B31.3—2016 B31.3—2020	Process Piping	IBC® IFGC®	IFC®

ASSE	American Society of Safety Engineers		
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/ASSE Z359.1—2016 ASSP Z359.1—2019	Requirements for the ANSI/ASSE Z359—The Fall Protection Code	IBC® IMC®	IFC®

ASTM	ASTM International		
Standard Reference Number	Title	Referenced in Code(s):	
A6/A6M—14 A6M—2017A	Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes and Sheet Piling	IBC®	
A153/A153M—09 A153M—2016A	Specification for Zinc Coating (Hot-dip) on Iron and Steel Hardware	IBC®	IRC®
A240/A240M—15a A240M—17	Standard Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications	IBC® ISPSC®	IRC®
A252—10 A252—2010(2018)	Specification for Welded and Seamless Steel Pipe Piles	IBC®	
A283/A283M—13 A283M—2018	Specification for Low and Intermediate Tensile Strength Carbon Steel Plates	IBC®	
A416/A416M—15 A416M—2017A	Specification for Steel Strand, Uncoated Seven-wire for Prestressed Concrete	IBC®	
A572/A572M—15 A572M—2018	Specification for High-strength Low-alloy Columbium-Vanadium Structural Steel	IBC®	
A653/A653M—15 A653M—2017	Specification for Steel Sheet, Zinc-coated Galvanized or Zinc-iron Alloy-coated Galvannealed by the Hot-dip Process	IBC®	IRC®

A690/A690M—13a(2018)	Standard Specification for High-strength Low-alloy Nickel, Copper, Phosphorus Steel H-piles and Sheet Piling with Atmospheric Corrosion Resistance for Use in Marine Environments	IBC®	
A706/A706M—15 A706M—2016	Specification for Low-alloy Steel Deformed and Plain Bars for Concrete Reinforcement	IBC®	IRC®
A722/A722M—15 A722M—2018	Specification for High-strength Steel Bars for Prestressed Concrete	IBC®	
A755/A755M—15 A755M—2016E1	Specification for Steel Sheet, Metallic-coated by the Hot-dip Process and Prepainted by the Coil-coating Process for Exterior Exposed Building Products	IBC®	
A924/A924M—14 A924M—2017A	Standard Specification for General Requirements for Steel Sheet, Metallic-coated by the Hot-dip Process	IBC®	IRC®
B88—14 B88—2016	Specification for Seamless Copper Water Tube	IBC® IFGC® IPC® IRC®	IFC® IMC® IPSDC® ISPSC®
B251—10 B251/B251M—2017	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	IBC® IMC® IPSDC®	IFC® IPC® IRC®
B280—13 B280—2018	Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service	IBC® IFGC®	IFC® IMC®
B695—04 B695—2004(2009 2016)	Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel Strip for Building Construction	IBC®	IRC®
C5—10 C5—2018	Specification for Quicklime for Structural Purposes	IBC®	IRC®
C27—98 C27—1998(2013 2018)	Specification for Classification of Fireclay and High-alumina Refractory Brick	IBC®	IRC®
C31/C31M—15 C31M—2018B	Practice for Making and Curing Concrete Test Specimens in the Field	IBC®	
C33/C33M—13 C33M—2018	Specification for Concrete Aggregates	IBC®	IRC®
C55—2014a C55—2017	Specification for Concrete Building Brick	IBC®	IRC®
C62—13a C62—2017	Standard Specification for Building Brick (Solid Masonry Units Made from Clay or Shale)	IBC®	IRC®
C67—14 C67/C67M—2018	Test Methods of Sampling and Testing Brick and Structural Clay Tile	IBC®	
C73—14 C73—2017	Specification for Calcium Silicate Brick (Sand-lime Brick)	IBC®	IRC®
C90—14 C90—2016A	Specification for Loadbearing Concrete Masonry Units	IBC® IRC®	IECC
C91/C91M—12 C91M—2018	Specification for Masonry Cement	IBC®	IRC®
C94/C94M—15a C94M—2017A	Specification for Ready-mixed Concrete	IBC® IRC®	IEBC®
C140/C140M—15 C140M—2018	Test Method Sampling and Testing Concrete Masonry Units and Related Units	IBC®	
C150/C150M—15 C150M—2018	Specification for Portland Cement	IBC®	IRC®
C172/C172M—14a C172M—2017	Practice for Sampling Freshly Mixed Concrete	IBC®	
C199—84 C199—1984(2011 2016)	Test Method for Pier Test for Refractory Mortars	IBC®	IRC®
C208—12 C208—2012(2017)E1	Specification for Cellulosic Fiber Insulating Board	IBC®	IRC®
C216—15 C216—2017A	Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)	IBC®	IRC®
C315—07 C315—2007(2011 2016)	Specification for Clay Flue Liners and Chimney Pots	IBC® IMC®	IFGC® IRC®

C317/C317M—00 <u>C317M—</u> <u>2000(2015)</u>	Specification for Gypsum Concrete	IBC®	
C330/C330M—14 <u>C330M—</u> <u>2017A</u>	Specification for Lightweight Aggregates for Structural Concrete	IBC®	
C331/C331M—14 <u>C331M—</u> <u>2017</u>	Specification for Lightweight Aggregates for Concrete Masonry Units	IBC®	
C473—15 <u>C473—2017</u>	Test Methods for Physical Testing of Gypsum Panel Products	IBC®	
C475/C475M—15 <u>C475M—</u> <u>2017</u>	Specification for Joint Compound and Joint Tape for Finishing Gypsum Board	IBC®	IRC®
C516—08 <u>C516—</u> <u>2008(2014, 2013)e+ E1</u>	Specifications for Vermiculite Loose Fill Thermal Insulation	IBC®	
C547—15 <u>C547—2017</u>	Specification for Mineral Fiber Pipe Insulation	IBC®	
C549—06(2012)	Specification for Perlite Loose Fill Insulation	IBC®	
C552—15 <u>C552—2017E1</u>	Standard Specification for Cellular Glass Thermal Insulation	IBC®	IRC®
C557—03 <u>C557—</u> <u>2003(2009, 2017)e+</u>	Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing	IBC®	IRC®
C578—15 <u>C578—2018</u>	Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation	IBC®	IRC®
C587—04 <u>C587—</u> <u>2004(2014, 2018)</u>	Specification for Gypsum Veneer Plaster	IBC®	IRC®
C595/C595M—14e1 <u>C595M—</u> <u>—2018</u>	Specification for Blended Hydraulic Cements	IBC®	IRC®
C635/C635M—13a <u>C635M—</u> <u>—2017</u>	Specification for the Manufacture, Performance and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings	IBC®	
C652—15 <u>C652—2017A</u>	Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)	IBC®	IRC®
C726—12 <u>C726—2017</u>	Standard Specification for Mineral Wool Roof Insulation Board	IBC®	IRC®
C728—15 <u>C728—2017A</u>	Standard Specification for Perlite Thermal Insulation Board	IBC®	IRC®
C744—14 <u>C744—2016</u>	Specification for Prefaced Concrete and Calcium Silicate Masonry Units	IBC®	IRC®
C754—15 <u>C754—2018</u>	Specification for Installation of Steel Framing Members to Receive Screw-attached Gypsum Panel Products	IBC®	
C836/C836M—15 <u>C836M—</u> <u>2018</u>	Specification for High-solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course	IBC®	IRC®
C840—13 <u>C840—2018A</u>	Specification for Application and Finishing of Gypsum Board	IBC®	
C841—03 <u>C841—</u> <u>2003(2013, 2018)</u>	Specification for Installation of Interior Lathing and Furring	IBC®	IRC®
C843—99(2012) <u>C843—</u> <u>2017</u>	Specification for Application of Gypsum Veneer Plaster	IBC®	IRC®
C847—14a <u>C847—2018</u>	Specification for Metal Lath	IBC®	IRC®
C920—14a <u>C920—2018</u>	Standard for Specification for Elastomeric Joint Sealants	IBC®	IRC®
C926—15b <u>C926—2018B</u>	Specification for Application of Portland Cement-based Plaster	IBC®	IRC®
C933—14 <u>C933—2018</u>	Specification for Welded Wire Lath	IBC®	IRC®
C946—10 <u>C946—2018</u>	Specification for Construction of Dry-stacked, Surface-bonded Walls	IBC®	IRC®
C954—15 <u>C954—2018</u>	Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 inch (0.84 mm) to 0.112 inch (2.84 mm) in Thickness	IBC®	IRC®
C957/C957M—15 <u>C957M—</u> <u>2017</u>	Specification for High-solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane with Integral Wearing Surface	IBC®	IRC®
C1002—14 <u>C1002—2018</u>	Specification for Steel Self-piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs	IBC®	IRC®
C1032—14 <u>C1032—2018</u>	Specification for Woven Wire Plaster Base	IBC®	IRC®
C1047—14a <u>C1047—2018</u>	Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base	IBC®	IRC®
	Specification for Installation of Lathing and Furring to Receive Interior and Exterior		

C1063—15a <u>C1063—2018B</u>	Portland Cement-based Plaster	IBC®	IRC®
C1088—14 <u>C1088—2018</u>	Specification for Thin Veneer Brick Units Made from Clay or Shale	IBC®	IRC®
C1157/C1157M—11 C1157M—2017	Standard Performance Specification for Hydraulic Cement	IBC®	
C1167—11 <u>C1167—</u> <u>2011(2017)</u>	Specification for Clay Roof Tiles	IBC®	IRC®
C1177/C1177M—13 C1177M—2017	Specification for Glass Mat Gypsum Substrate for Use as Sheathing	IBC®	IRC®
C1178/C1178M—13 C1178M—2018	Specification for Coated Mat Water-resistant Gypsum Backing Panel	IBC®	IRC®
C1186—08 <u>C1186—</u> <u>2008(2012 2016)</u>	Specification for Flat Fiber Cement Sheets	IBC®	IRC®
C1261—13 <u>C1261—</u> <u>2013(2017)E1</u>	Specification for Firebox Brick for Residential Fireplaces	IBC®	IRC®
C1278/C1278M—07a(2011) C1278M—2017	Specification for Fiber-reinforced Gypsum Panel	IBC®	IRC®
C1283—11 <u>C1283—2015</u>	Practice for Installing Clay Flue Lining	IBC®	IRC®
C1288—14 <u>C1288—2017</u>	Standard Specification for Discrete Nonasbestos Fiber-cement Interior Substrate Sheets	IBC®	IRC®
C1289—15 <u>C1289—2018</u>	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board	IBC®	IRC®
C1325—14 <u>C1325—2018</u>	Standard Specification for Nonasbestos Fiber-mat Reinforced Cement Backer Units	IBC®	IRC®
C1364—10B <u>C1364—2017</u>	Standard Specification for Architectural Cast Stone	IBC®	IRC®
C1396/C1396M—14a C1396M—2017	Specification for Gypsum Board	IBC®	
C1492—03 <u>C1492—</u> <u>2003(2009 2016)</u>	Standard Specification for Concrete Roof Tile	IBC®	IRC®
C1600/C1600M—11 C1600M—2017	Standard Specification for Rapid Hardening Hydraulic Cement	IBC®	
C1629/C1629M—15 C1629M—2018A	Standard Classification for Abuse-resistant Nondecorated Interior Gypsum Panel Products and Fiber-reinforced Cement Panels	IBC®	
C1658/C1658M—13 C1658M—2018	Standard Specification for Glass Mat Gypsum Panels	IBC®	IRC®
C1670—16 <u>C1670/C1670M</u> <u>—2018</u>	Standard Specification for Adhered Manufactured Stone Masonry Veneer Units	IBC®	
C1766—13 <u>C1766—2015</u>	Standard Specification for Factory-laminated Gypsum Panel Products	IBC®	IRC®
D25—12 <u>D25—2012(2017)</u>	Specification for Round Timber Piles	IBC®	
D41/D41M—11 <u>D41M—</u> <u>2011(2016)</u>	Specification for Asphalt Primer Used in Roofing, Dampproofing and Waterproofing	IBC®	
D43/D43M—00 <u>D43M—</u> <u>2000(2012 2018)e+</u>	Specification for Coal Tar Primer Used in Roofing, Dampproofing and Waterproofing	IBC®	
D56—05(2010) <u>D56—</u> <u>2016A</u>	Test Method for Flash Point by Tag Closed Cup Tester	IBC® IMC®	IFC®
D86—15 <u>D86—2017</u>	Test Method for Distillation of Petroleum Products and Liquid Fuels at Atmospheric Pressure	IBC®	IFC®
D93—15 <u>D93—2018</u>	Test Methods for Flash Point by Pensky-Martens Closed Cup Tester	IBC® IMC®	IFC®
D226/D226M—09 <u>D226M—</u> <u>2017</u>	Specification for Asphalt-saturated Organic Felt Used in Roofing and Waterproofing	IBC®	IRC®
D227/D227M—03 <u>D227M—</u> <u>2003(2011 2018)e+</u>	Specification for Coal-tar-saturated Organic Felt Used in Roofing and Waterproofing	IBC®	IRC®
D312/D312M—15 <u>D312M—</u>			

2016M	Specification for Asphalt Used in Roofing	IBC®	
D448—2012(2017)	Standard Classification for Sizes of Aggregate for Road and Bridge Construction	IBC®	
D450/D450M—07 D450M— 2017(2013 2018)e+	Specification for Coal-tar Pitch Used in Roofing, Dampproofing and Waterproofing	IBC®	IRC®
D1143/D1143M—07 D1143M—2007(2013) E1	Test Methods for Deep Foundations Under Static Axial Compressive Load	IBC®	
D1863/D1863M—05 D1863M—2005(2011 2018)e+	Specification for Mineral Aggregate Used on Built-up Roofs	IBC®	IRC®
D1970/D1970M—15a D1970M—2017A	Specification for Self-adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roof Underlayment for Ice Dam Protection	IBC®	
D2178/D2178M—15 D2178M—15A	Specification for Asphalt Glass Felt Used in Roofing and Waterproofing	IBC®	IRC®
D2487—11 D2487—2017	Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)	IBC®	
D2822/D2822M—05 D2822M—2005(2011)e+	Specification for Asphalt Roof Cement, Asbestos Containing	IBC®	IRC®
D2824/D2824M—13 D2824M—2018	Standard Specification for Aluminum-pigmented Asphalt Roof Coatings, Nonfibered and Fibered without Asbestos	IBC®	
D2859—16 D2859—2016	Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials	IBC®	IFC®
D2898—10 D2898— 2010(2017)	Test Methods for Accelerated Weathering of Fire-retardant-treated Wood for Fire Testing	IBC® IWUIC®	IRC®
D3019—08 D3019/D3019M —2017	Specification for Lap Cement Used with Asphalt Roll Roofing, Nonfibered, Asbestos Fibered and Nonasbestos Fibered	IBC®	IRC®
D3161/D3161M—15 D3161M—2016A	Test Method for Wind Resistance of Steep Slope Roofing Products (Fan Induced Method)	IBC®	IRC®
D3200—74 D3200— 1974(2012 2017)	Standard Specification and Test Method for Establishing Recommended Design Stresses for Round Timber Construction Poles	IBC®	
D3462/D3462M—10a D3462M—2016	Specification for Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules	IBC®	IRC®
D3679—13 D3679—2017	Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding	IBC®	IRC®
D3737—12 D3737—2018E1	Practice for Establishing Allowable Properties for Structural Glued Laminated Timber (Glulam)	IBC®	
D3746—85 D3746/D3746M —1985(2008 2015) E1	Test Method for Impact Resistance of Bituminous Roofing Systems	IBC®	
D3957—09 D3957— 2009(2015)	Standard Practices for Establishing Stress Grades for Structural Members Used in Log Buildings	IBC®	
D4318—10e+ D4318— 2017E1	Test Methods for Liquid Limit, Plastic Limit and Plasticity Index of Soils	IBC®	IRC®
D4434/D4434M—12 D4434M—2015	Specification for Poly (Vinyl Chloride) Sheet Roofing	IBC®	IRC®
D4479/D4479M—07 D4479M—2007(2012 2018)e+	Specification for Asphalt Roof Coatings—Asbestos-free	IBC®	IRC®
D4586/D4586M—07 D4586M—2007(2012 2018)e+	Specification for Asphalt Roof Cement—Asbestos-free	IBC®	IRC®
D4637/D4637M—14e+ D4637M—2015	Specification for EPDM Sheet Used in Single-ply Roof Membrane	IBC®	IRC®
D4869/D4869M—15 D4869M—2016A	Specification for Asphalt-saturated (Organic Felt) Underlayment Used in Steep Slope Roofing	IBC®	IRC®
D4897/D4897M—01(2009)			

D4897M—2016 D4945—12 D4945—2017	Specification for Asphalt-coated Glass Fiber Venting Base Sheet Used in Roofing Test Method for High-strain Dynamic Testing of Deep Foundations	IBC® IBC®	IRC®
D5055—13e1 D5055—2016	Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-joists	IBC®	IRC®
D5456—14b D5456—2018	Specification for Evaluation of Structural Composite Lumber Products	IBC®	IRC®
D5516—09 D5516—2018	Test Method of Evaluating the Flexural Properties of Fire-retardant Treated Softwood Plywood Exposed to Elevated Temperatures	IBC®	IRC®
D5643/D5643M—06 D5643M—2006(2012 2018)e1	Specification for Coal Tar Roof Cement, Asbestos-free	IBC®	IRC®
D5664—10 D5664—2017	Standard Test Method for Evaluating the Effects of Fire-retardant Treatment and Elevated Temperatures on Strength Properties of Fire-retardant Treated Lumber	IBC®	IRC®
D6083—05e01 D6083/D6083M—2018	Specification for Liquid Applied Acrylic Coating Used in Roofing	IBC®	IRC®
D6162/D6162M— 00a(2015)e1 D6162M— 2016	Specification for Styrene-butadiene-styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	IBC®	
D6163/D6163M— 00(2015)e1 D6163M—2016	Specification for Styrene-butadiene-styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements	IBC®	
D6164/D6164M—11 D6164M—2016	Specification for Styrene-butadiene-styrene (SBS) Modified Bituminous Sheet Metal Materials Using Polyester Reinforcements	IBC®	IRC®
D6222/D6222M—11 D6222M—2016	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using Polyester Reinforcements	IBC®	IRC®
D6223/D6223M— 02(2009)e1 D6223M—2016	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	IBC®	IRC®
D6298—13 D6298/D6298M —2016	Specification for Fiberglass Reinforced Styrene-butadiene-styrene (SBS) Modified Bituminous Sheets with a Factory Applied Metal Surface	IBC®	IRC®
D6380/D6380M—03 D6380M—2003(2013 2018)e1	Standard Specification for Asphalt Roll Roofing (Organic) Felt	IBC®	
D6464—03a D6464— 2003A(2009 2017)e1	Standard Specification for Expandable Foam Adhesives for Fastening Gypsum Wallboard to Wood Framing	IBC®	IRC®
D6509/D6509M—09(2015) D6509M—2016	Standard Specification for Atactic Polypropylene (APP) Modified Bituminous Base Sheet Materials Using Glass Fiber Reinforcements	IBC®	
D6754/D6754M—10 D6754M—2015	Standard Specification for Ketone Ethylene Ester Based Sheet Roofing	IBC®	IRC®
D6757—2013 D6757/D6757M—2018	Specification for Underlayment Felt Containing Inorganic Fibers Used in Steep Slope Roofing	IBC®	IRC®
D6841—08 D6841—2016	Standard Practice for Calculating Design Value Treatment Adjustment Factors for Fire-retardant Treated Lumber	IBC®	IRC®
D6878/D6878M—13 D6878M—2017	Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing	IBC®	IRC®
D6947/D6947M— 07(2013)e1 D6947M—2016	Standard Specification for Liquid Applied Moisture Cured Polyurethane Coating Used in Spray Polyurethane Foam Roofing System	IBC®	IRC®
D7032—14 D7032—2017	Standard Specification for Establishing Performance Ratings for Wood, Plastic Composite Deck Boards and Guardrail Systems (Guards or Rails)	IBC® IWUIC®	IRC®
D7147—11 D7147— 2011(2018)	Specification for Testing and Establishing Allowable Loads of Joist Hangers	IBC®	
D7158/D7158M—16 D7158M—2019	Standard Test Method for Wind Resistance of Asphalt Shingles (Uplift Force/Uplift Resistance Method)	IBC®	
D7254—15 D7254—2017	Standard Specification for Polypropylene (PP) Siding	IBC®	IRC®
D7655/D7655M—12 D7655M—2012(2017)	Standard Classification for Size of Aggregate Used as Ballast for Roof Membrane Systems	IBC®	

D7672—14 <u>D7672—14E1</u>	Standard Specification for Evaluating Structural Capacities of Rim Board Products and Assemblies	IBC®	IRC®
E84—16 <u>E84—2018B</u>	Standard Test Methods for Surface Burning Characteristics of Building Materials	IBC®	
E90—09 <u>E90—2009(2016)</u>	Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements	IBC®	
E96/E96M—15 <u>E96M—2016</u>	Standard Test Methods for Water Vapor Transmission of Materials	IBC®	
E108—16 <u>E108—2017</u>	Standard Test Methods for Fire Tests of Roof Coverings	IBC® IWUIC®	IEBC®
E119—16 <u>E119—2018B</u>	Standard Test Methods for Fire Tests of Building Construction and Materials	IBC®	
E136—16 <u>E136—2016A</u>	Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750° C	IBC® IFGC® IWUIC®	IEBC® IMC®
E283—04 <u>E283—2004(2012)</u>	Standard Test Method for Determining Rate of Air Leakage through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences across the Specimen	IBC® IECC	IECC IRC®
E331—00 <u>E331—2000(2009 2016)</u>	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference	IBC®	IRC®
E492—09 <u>E492—2009(2016)E1</u>	Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-ceiling Assemblies Using the Tapping Machine	IBC®	
E648—15e1 <u>E648—2017A</u>	Standard Test Method for Critical Radiant Flux of Floor-covering Systems Using a Radiant Heat Energy Source	IBC®	IFC®
E736/E736M—00(2015)e1 <u>E736M—2017</u>	Test Method for Cohesion/Adhesion of Sprayed Fire-resistive Materials Applied to Structural Members	IBC®	
E814—2013A(2017)	Test Method for Fire Tests of Penetration Firestop Systems	IBC®	IRC®
E970—14 <u>E970—2017</u>	Standard Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source	IBC®	IRC®
E1300—12ae1 <u>E1300—2016</u>	Practice for Determining Load Resistance of Glass in Buildings	IBC®	
E1354—16 <u>E1354—17</u>	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter	IBC®	
E1592—05 <u>E1592—2005(2012 2017)</u>	Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference	IBC®	
E1602—09 <u>E1602—2003(2010 2017)e1</u>	Guide for Construction of Solid Fuel-burning Masonry Heaters	IBC®	IRC®
E1886—13A <u>E1886—2013A</u>	Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials	IBC®	IRC®
E1996—14a <u>E1996—2017</u>	Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes	IBC®	
E2174—14b <u>E2174—2018</u>	Standard Practice for On-site Inspection of Installed Fire Stops	IBC®	
E2273—03(2011) <u>E2273—2018</u>	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies	IBC®	IRC®
E2307—15b <u>E2307—15BE1</u>	Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using the Intermediate-scale, Multistory Test Apparatus	IBC®	
E2353—14 <u>E2353—2016</u>	Standard Test Methods for Performance of Glazing in Permanent Railing Systems, Guards and Balustrades	IBC®	
E2404—15a <u>E2404—2017</u>	Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric (Including Vinyl) and Wood Wall or Ceiling Coverings, Facing and Veneers to Assess Surface Burning Characteristics	IBC®	IFC®
E2556/E2556M—10 <u>E2556M—2010(2016)</u>	Standard Specification for Vapor Permeable Flexible Sheet Water-resistive Barriers Intended for Mechanical Attachment	IBC®	
E2568—09e1 <u>E2568—</u>	Standard Specification for PB Exterior Insulation and Finish Systems	IBC®	IRC®

2017A E2570/E2570M— 07(2014)e1	Standard Test Method for Evaluating Water-resistive Barrier (WRB) Coatings Used under Exterior Insulation and Finish Systems (EIFS) for EIFS with Drainage	IBC®	IRC®
E2573—12 <u>E2573—2017</u>	Standard Practice for Specimen Preparation and Mounting of Site-fabricated Stretch Systems to Assess Surface Burning Characteristics	IBC®	IFC®
E2579—13 <u>E2579—2015</u>	Standard Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics	IBC®	IFC®
E2599—15 <u>E2599—2018</u>	Standard Practice for Specimen Preparation and Mounting of Reflective Insulation, Radiant Barrier and Vinyl Stretch Ceiling Materials for Building Applications to Assess Surface Burning Characteristics	IBC®	
E2634—11(2015) <u>E2634—2018</u>	Standard Specification for Flat Wall Insulating Concrete Form (ICF) Systems	IBC®	IRC®
E2751/E2751M—13 E2751M—2017A	Practice for Design and Performance of Supported Laminated Glass Walkways	IBC®	
F547—06(2012) <u>F547—2017</u>	Terminology of Nails for Use with Wood and Wood-base Materials	IBC®	
F1667—15 <u>F1667—2018</u>	Specification for Driven Fasteners: Nails, Spikes and Staples	IBC®	IRC®
F2200—14 <u>F2200—2017</u>	Standard Specification for Automated Vehicular Gate Construction	IBC®	IFC®
G154—12a <u>G154—2016A</u>	Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials	IBC®	

AWC		American Wood Council	
Standard Reference Number	Title	Referenced in Code(s):	
AWC STJR—2015 <u>STJR—2021</u>	Span Tables for Joists and Rafters	IBC®	IRC®
ANSI/AWC PWF—2015 PWF—2021	Permanent Wood Foundation Design Specification	IBC®	IRC®
ANSI/AWC SDPWS—2015 SDPWS—2021	Special Design Provisions for Wind and Seismic	IBC®	

AWPA		American Wood Protection Association	
Standard Reference Number	Title	Referenced in Code(s):	
M4—16 <u>M4—15</u>	Standard for the Care of Preservative-treated Wood Products	IBC®	IRC®
U1—16 <u>U1—20</u>	USE CATEGORY SYSTEM: User Specification for Treated Wood Except Commodity Specification H	IBC®	IRC®

AWS		American Welding Society	
Standard Reference Number	Title	Referenced in Code(s):	
D1.4/D1.4M—2017 <u>D1.4M—2018</u>	Structural Welding Code—Reinforcing Steel Including Metal Inserts and Connections In Reinforced Concrete Construction <u>Code—Steel Reinforcing Bars</u>	IBC®	

BHMA		Builders Hardware Manufacturers' Association	
Standard Reference Number	Title	Referenced in Code(s):	
A 156.10—2011 <u>156.10—2017</u>	Power Operated Pedestrian Doors	IBC®	

A 156.19—2019 <u>156.19—2020</u>	Standard for Power Assist and Low Energy Power Operated Doors	IBC®
A 156.27—2011 <u>156.27—2019</u>	Power and Manual Operated Revolving Pedestrian Doors	IBC®
A 156.38—2014 <u>156.38—2020</u>	Low Energy Power Operated Sliding and Folding Doors	IBC®

CSA	Canadian Standards Association	
Standard Reference Number	Title	Referenced in Code(s):
ASME A17.1—2016 <u>A17.1—2019/CSA B44—16</u> <u>B44—19</u>	Safety Code for Elevators and Escalators	IBC®
ASME A17.7—2007/CSA B44.7—07(<u>R2017</u>)	Performance-based Safety Code for Elevators and Escalators	IBC®

DASMA	Door & Access Systems Manufacturers Association International	
Standard Reference Number	Title	Referenced in Code(s):
ANSI/DASMA 115—2016 <u>115—2017</u>	Standard Method for Testing Sectional Garage Doors, Rolling Doors and Flexible Doors: Determination of Structural Performance Under Missile Impact and Cyclic Wind Pressure	IBC®

DOC	U.S. Department of Commerce	
Standard Reference Number	Title	Referenced in Code(s):
PS 1—09 <u>1—19</u>	Structural Plywood	IBC® IRC®
PS 2—10 <u>2—18</u>	Performance Standard for Wood-based Structural use <u>Wood Structural</u> Panels	IBC® IRC®
PS 20—05	American Softwood Lumber Standard	IBC® IRC®

FM	FM Approvals	
Standard Reference Number	Title	Referenced in Code(s):
4880—2015 <u>4880—2017</u>	Approval American National Standard for Class 1 Fire Rating of Building Panels or Evaluating the Fire Performance Insulated Building Panel Assemblies and Interior Finish Materials	IBC®

GA	Gypsum Association	
Standard Reference Number	Title	Referenced in Code(s):
GA 216—2016 <u>216—2018</u>	Application and Finishing of Gypsum Panel Products	IBC®
GA 600—2015 <u>600—2018</u>	Fire-resistance <u>and Sound Control</u> Design Manual, 21st <u>22nd</u> Edition	IBC®

NAAMM	National Association of Architectural Metal Manufacturers	
Standard Reference Number	Title	Referenced in Code(s):
FP 1001—17 <u>1001—18</u>	Guide Specifications for Design of Metal Flag Poles	IBC®

NCMA		National Concrete Masonry Association	
Standard Reference Number	Title	Referenced in Code(s):	
TEK 5—84(1996, 2005)	Details for Concrete Masonry Fire Walls	IBC®	

NFPA		National Fire Protection Association	
Standard Reference Number	Title	Referenced in Code(s):	
10—18 10—21	Standard for Portable Fire Extinguishers	IBC®	IFC®
11—16	Standard for Low Low-, Medium, and High Expansion Foam	IBC®	IFC®
12A—15 12A—18	Standard on Halon 1301 Fire Extinguishing Systems	IBC®	IFC®
		IPMC®	
13—16 13—19	Standard for Installation of Sprinkler Systems	IBC®	IFC®
		IRC®	
13D—16 13D—19	Standard for the Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes	IBC®	IFC®
		IRC®	
13R—16 13R—19	Standard for the Installation of Sprinkler Systems in Low-rise Residential Occupancies	IBC®	IFC®
		IRC®	
14—16 14—19	Standard for the Installation of Standpipe and Hose System	IBC®	IFC®
16—15 16—19	Standard for the Installation of Foam-water Sprinkler and Foam-water Spray Systems	IBC®	IFC®
17—17 17—20	Standard for Dry Chemical Extinguishing Systems	IBC®	IFC®
		IPMC®	
17A—17 17A—20	Standard for Wet Chemical Extinguishing Systems	IBC®	IFC®
		IPMC®	
20—16 20—19	Standard for the Installation of Stationary Pumps for Fire Protection	IBC®	IFC®
30—18 30—21	Flammable and Combustible Liquids Code	IBC®	IFC®
30A—18 30A—21	Code for Motor Fuel Dispensing Facilities and Repair Garages	IBC®	IFC®
		IFGC®	IMC®
31—16 31—20	Standard for the Installation of Oil-burning Equipment	IBC®	IFC®
		IMC®	IRC®
32—16	Standard for Dry Cleaning Plants Drycleaning Facilities	IBC®	IFC®
40—16 40—19	Standard for the Storage and Handling of Cellulose Nitrate Film	IBC®	IFC®
45—15 45—19	Standard on Fire Protection Laboratories Using Chemicals (2015 Edition)	IBC®	IFC®
58—17 58—20	Liquefied Petroleum Gas Code	IBC®	IFC®
		IFGC®	IMC®
		IRC®	
61—17 61—20	Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Product Facilities	IBC®	IFC®
72—16 72—19	National Fire Alarm and Signaling Code	IBC®	IFC®
		IMC®	IPMC®
		IRC®	
80—16 80—19	Standard for Fire Doors and Other Opening Protectives	IBC®	IFC®
		IPMC®	
82—14 82—19	Standard on Incinerators and Waste and Linen Handling Systems and Equipment	IBC®	IFGC®
		IMC®	
85—15 85—19	Boiler and Combustion System Hazards Code	IBC®	IFC®
		IFGC®	IMC®
		IRC®	
92—15 92—18	Standard for Smoke Control Systems	IBC®	IFC®
		IMC®	

99 — 18 <u>99</u> — <u>21</u>	Health Care Facilities Code	IBC® IPC®	IFC®
101 — 18 <u>101</u> — <u>21</u>	Life Safety Code	IBC®	IFC®
105 — 16 <u>105</u> — <u>19</u>	Standard for Smoke Door Assemblies and Other Opening Protectives	IBC® IPMC®	IFC®
110 — 16 <u>110</u> — <u>19</u>	Standard for Emergency and Standby Power Systems	IBC®	IFC®
111 — 13 <u>111</u> — <u>19</u>	Standard on Stored Electrical Energy Emergency and Standby Power Systems	IBC®	IFC®
120 — 15 <u>120</u> — <u>20</u>	Standard for Fire Prevention and Control in Coal Mines	IBC®	IFC®
211 — 16 <u>211</u> — <u>19</u>	Standard for Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances	IBC® IFGC® IRC®	IFC® IMC®
221 — 18 <u>221</u> — <u>21</u>	Standard for High Challenge Fire Walls, Fire Walls and Fire Barrier Walls	IBC®	
253 — 15 <u>253</u> — <u>19</u>	Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source	IBC®	IFC®
265 — 15 <u>265</u> — <u>19</u>	Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile or Expanded Vinyl Wall Coverings on Full Height Panels and Walls	IBC®	IFC®
286 — 15 <u>286</u> — <u>19</u>	Standard Methods of Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	IBC® IMC®	IFC® IRC®
276 — 15 <u>276</u> — <u>19</u>	Standard Method of Fire Tests for Determining the Heat Release Rate of Roofing Assemblies with Combustible Above-deck Roofing Components	IBC®	
289 — 18 <u>289</u> — <u>19</u>	Standard Method of Fire Test for Individual Fuel Packages	IBC®	IFC®
484 — 18 <u>484</u> — <u>19</u>	Standard for Combustible Metals	IBC®	
652 — 16 <u>652</u> — <u>19</u>	Standard on the Fundamentals of Combustible Dust	IBC®	IFC®
654 — 17 <u>654</u> — <u>20</u>	Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids	IBC®	IFC®
664 — 17 <u>664</u> — <u>20</u>	Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities	IBC®	IFC®
701 — 15 <u>701</u> — <u>19</u>	Standard Methods of Fire Tests for Flame Propagation of Textiles and Films	IBC®	IFC®
750 — 15 <u>750</u> — <u>19</u>	Standard on Water Mist Fire Protection Systems	IBC®	IFC®
2001 — 15 <u>2001</u> — <u>18</u>	Standard on Clean Agent Fire Extinguishing Systems	IBC® IPMC®	IFC®
2010 — 15 <u>2010</u> — <u>20</u>	Standard for Fixed Aerosol Fire-extinguishing Systems	IBC®	IFC®

PCI	Precast Prestressed Concrete Institute
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Standard Reference Number	Title	Referenced in Code(s):
MNL 124 — 11 <u>PCI 124</u> — <u>18</u>	Design Specification for Fire Resistance of Precast/Prestressed Concrete	IBC®
MNL 128 — 04 <u>PCI 128</u> — <u>19</u>	Recommended Practice Specification for Glass Fiber Reinforced Concrete Panels	IBC®

PTI	Post-Tensioning Institute
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Standard Reference Number	Title	Referenced in Code(s):
PTI DC — 10.5 — 12 <u>DC</u> — <u>10.5</u> — <u>19</u>	Standard Requirements for Design and Analysis of Shallow <u>Post-Tensioned</u> Concrete Foundations on Expansive <u>and Stable</u> Soils	IBC®

SBCA	Structural Building Components Association
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Standard Reference Number	Title	Referenced in Code(s):
ANSI/FS 100-12(<u>R2018</u>)	Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating	IBC®

SPRI		Single-Ply Roofing Institute	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/SPRI/FM 4435-ES-1 4435 ES-1-17	Wind Test Design Standard for Edge Systems Used with Low Slope Roofing Systems	IBC®	
ANSI/SPRI RP-4-13 RP-4-18	Wind Design Guide for Ballasted Single-ply Roofing Systems	IBC®	
ANSI/SPRI VF-1-10 VF-1-17	External Fire Design Standard for Vegetative Roofs	IBC®	
TIA		Telecommunications Industry Association	
Standard Reference Number	Title	Referenced in Code(s):	
222-H-2016 ANSI/TIA 222-H-2017	Structural Standards Standard for Antenna Supporting Structures and Antennas <u>Antennas and Small Wind Turbine Support Structures</u>	IBC®	
TMS		The Masonry Society	
Standard Reference Number	Title	Referenced in Code(s):	
302-2012 <u>302-2018</u>	Standard Method for Determining the Sound Transmission Class Rating for Masonry Walls	IBC®	
UL		UL LLC	
Standard Reference Number	Title	Referenced in Code(s):	
10A—2009	Tin Clad Fire Doors—with Revisions through December 2013 <u>July 2018</u>	IBC®	
10C—2009 <u>10C—2016</u>	Positive Pressure Fire Tests of Door Assemblies—with Revisions through February 2015 <u>Assemblies</u>	IBC®	
14B—2008	Sliding Hardware for Standard Horizontally Mounted Tin Clad Fire Doors—with Revisions through May 2013 <u>July 2017</u>	IBC®	
14C—06 <u>14C—2006</u>	Swinging Hardware for Standard Tin Clad Fire Doors Mounted Singly and in Pairs—with Revisions through May 2013 <u>July 2017</u>	IBC®	
55A—04 <u>55A—2004</u>	Materials for Built-up Roof Coverings	IBC®	IRC®
103—2010	Factory-built Chimneys, for Residential Type and Building Heating Appliances—with Revisions through July 2012 <u>March 2017</u>	IBC® IMC®	IFGC® IRC®
127—2011	Factory-built Fireplaces—with Revisions through May 2015 <u>July 2016</u>	IBC® IMC®	IFGC® IRC®
199E—04 <u>199E—2004</u>	Outline of Investigation for Fire Testing of Sprinklers and Water Spray Nozzles for Protection of Deep Fat Fryers	IBC®	IFC®
217—06 <u>217—2015</u>	Single and Multiple Station Smoke Alarms—with Revisions through October 2015 <u>November 2016</u>	IBC® IRC®	IFC®
263—11	Fire Tests of Building Construction and Materials—with Revisions through June 2015 <u>March 2018</u>	IBC®	
268—09 <u>268—2016</u>	Smoke Detectors for Fire Alarm Systems—with revisions through <u>July 2016</u>	IBC® IPMC®	IFC®
294—1999 <u>294—2018</u>	Access Control System Units—with Revisions through February 2015 <u>October 2018</u>	IBC®	
	Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking		

300—05 <u>300—2005</u>	(R2010) Equipment—with Revisions through December 2014	IBC®	IFC®
300A—06 <u>300A—2006</u>	Outline of Investigation for Extinguishing System Units for Residential Range Top Cooking Surfaces	IBC®	IFC®
305—2012	Panic Hardware—with Revisions through August 2014 <u>March 2017</u>	IBC®	IFC®
325—02 <u>325—2017</u>	Door, Drapery, Gate, Louver and Window Operations and Systems—with Revisions through May 2015 <u>Systems</u>	IBC® IRC®	IFC®
555—2006	Fire Dampers—with Revisions through May 2014 <u>October 2016</u>	IBC®	
555C—2006 <u>555C—2014</u>	Ceiling Dampers—with Revisions through December 2014 <u>May 2017</u>	IBC®	
555S—99 <u>555S—2014</u>	Smoke Dampers—with Revisions through February 2014 <u>October 2016</u>	IBC®	IMC®
580—2006	Test for Uplift Resistance of Roof Assemblies—with Revisions through October 2013 <u>2018</u>	IBC®	
641—2010	Type L Low-temperature Venting Systems—with Revisions through June 2013 <u>April 2018</u>	IBC® IMC®	IFGC® IRC®
723—2008 <u>723—2018</u>	Test for Surface Burning Characteristics of Building Materials—with Revisions through August 2013 <u>Materials</u>	IBC® IWUIC®	IMC®
790—04 <u>790—2004</u>	Standard Test Methods for Fire Tests of Roof Coverings—with Revisions through July 2014 <u>October 2018</u>	IBC® IFC®	IEBC® IRC®
793—08 <u>793—2008</u>	Automatically Operated Roof Vents for Smoke and Heat—with Revisions through September 2014 <u>March 2017</u>	IBC®	IFC®
864—03 <u>864—2014</u>	Control Units and Accessories for Fire Alarm Systems—with Revisions through December 2014 <u>March 2018</u>	IBC®	IFC®
924—06 <u>924—2016</u>	Safety Emergency Lighting and Power Equipment—with Revisions through April 2014 <u>May 2018</u>	IBC®	IFC®
1040—96 <u>1040—1996</u>	Fire Test of Insulated Wall Construction—with Revisions through October 2012 <u>April 2017</u>	IBC®	IRC®
1256—02	Fire Test of Roof Deck Construction—with Revisions through July 2013 <u>August 2018</u>	IBC®	IRC®
1479—03 <u>1479—2015</u>	Fire Tests of Penetration Firestops—with Revisions through June 2015 <u>Firestops</u>	IBC® IRC®	IMC®
1703—02 <u>1703—2002</u>	Flat-plate Photovoltaic Modules and Panels—with Revisions through October 2015 <u>September 2018</u>	IBC®	IRC®
1715—97	Fire Test of Interior Finish Material—with Revisions through January 2013 <u>April 2017</u>	IBC®	IRC®
1741—2010	Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources—with Revisions through January 2015 <u>February 2018</u>	IBC®	IRC®
1777—2007	Chimney Liners—with Revisions through October 2015 <u>April 2014</u>	IBC® IMC®	IFGC®
1784—01 <u>1784—2015</u>	Air Leakage Tests of Door Assemblies—with Revisions through February 2015 <u>Assemblies</u>	IBC®	IECC
1897—12 <u>1897—2015</u>	Uplift Tests for Roof Covering Systems—with Revisions through September 2015 <u>Systems</u>	IBC®	IRC®
1994—04 <u>1994—2015</u>	Luminous Egress Path Marking Systems—with Revisions through May 2015 <u>Systems</u>	IBC®	IFC®
2034—2008 <u>2034—2017</u>	Single- and Multiple-station Carbon Monoxide Alarms—with Revisions through March 2015 <u>September 2018</u>	IBC®	
2075—2013	Standard for Gas and Vapor Detectors and Sensors <u>Sensors</u> -with revisions through <u>December 2017</u>	IBC® IMC®	IFC® IRC®
2079—04 <u>2079—2015</u>	Tests for Fire Resistance of Building Joint Systems—with Revisions through August 2015 <u>Systems</u>	IBC®	IFC®
2196—2004 <u>2196—2017</u>	Tests Standard for Fire Resistive Cables—with Revisions through March 2012 <u>Test for Circuit Integrity of Fire- Resistive Power, Instrumentation, Control and Data Cables</u>	IBC®	IFC®
2200—2012	Stationary Engine Generator Assemblies—with Revisions through July <u>October 2015</u>	IBC® IFGC®	IFC® IMC®
2202—2009	Electric Vehicle (EV) Charging System Equipment <u>Equipment</u> -with revisions through <u>February 2018</u>	IBC®	

2594—2013 <u>2594—2016</u>	Electric Vehicle Supply Equipment	IBC®
2703—2014	Outline of Investigation for Mounting Systems, Mounting Devices, Clamping/Retention Devices and Ground Lugs for Use with Flat-plate Photovoltaic Modules and Panels <u>Panels-with revisions through December 2019</u>	IBC®

ULC	Underwriters Laboratories of Canada		
Standard Reference Number	Title	Referenced in Code(s):	
CAN/ULC S 102.2—2010 <u>102.2—2018</u>	Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings and Miscellaneous Materials and Assemblies—with 2000 Revisions <u>Assemblies</u>	IBC®	IRC®

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE FOR THE IBC.

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standard developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5823

ADM47-IBC-19

ADM47-IFC-19

Chapter 80

ANSI		American National Standards Institute	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI Z21.69/CSA 6.16—09 <u>6.16—2015</u>	Connectors for Movable Gas Appliances	IFC®	

API		American Petroleum Institute	
Standard Reference Number	Title	Referenced in Code(s):	
RP 651—3rd 651—4th Edition (2007 <u>2014</u>)	Cathodic Protection of Aboveground Petroleum Storage Tanks	IFC®	
Std 653—4th 653—5th Edition (2009 <u>2018</u>)	Tank Inspection, Repair, Alteration and Reconstruction	IFC®	
Std 2000—6th 2000—7th Edition (2009 <u>2014</u>)	Venting Atmosphere and Low-pressure Storage Tanks: Nonrefrigerated and Refrigerated	IFC®	
RP 2003—7th 2003—8th Edition (2008 <u>2015</u>)	Protection Against Ignitions Arising out of Static, Lightning and Stray Currents	IFC®	
Std 2015—6th 2015—8th Edition 2001 (R2006 <u>2018</u>)	<u>Requirements for Safe Entry</u> and Clearing of Petroleum Storage Tanks	IFC®	
Publ 2028 3rd Edition— (2002, R2012 <u>R2010</u>)	Flame Arrestors in Piping Systems	IFC®	

ASCE/SEI		American Society of Civil Engineers	
Standard Reference Number	Title	Referenced in Code(s):	
ASCE/SEI 24—14 24—20	Flood Resistant Design and Construction	IFC®	

ASHRAE		ASHRAE	
Standard Reference Number	Title	Referenced in Code(s):	
15—2016 15—2019	Safety Standard for Refrigeration Systems	IFC®	IMC®

ASME		American Society of Mechanical Engineers	
Standard Reference Number	Title	Referenced in Code(s):	
A13.1—2015 A13.1—2020	Scheme for the Identification of Piping Systems	IBC®	IFC®
ASME A17.1—2016 A17.1— 2019/CSA B44—16 B44— 19	Safety Code for Elevators and Escalators	IEBC®	IECC
		IFC®	IPMC®
		IRC®	
A17.3—2015 A17.3—2020	Safety Code for Existing Elevators and Escalators	IEBC®	IFC®
B16.18—2012 B16.18— 2018	Cast Copper-Alloy Solder Joint Pressure Fittings	IBC®	IFC®
		IMC®	IPC®
		IRC®	
B16.22—2013 B16.22— 2018	Wrought Copper and Copper-alloy Solder-joint Pressure Fittings	IBC®	IFC®
		IMC®	IPC®
		IRC®	

B31.1—2016 <u>B31.1—2020</u>	Power Piping	IFC®	
B31.3—2016 <u>B31.3—2020</u>	Process Piping	IBC® IFGC®	IFC®
B31.4—2016 <u>B31.4—2019</u>	Pipeline Transportation Systems for Liquids and Slurries	IFC®	
B31.9—2014 <u>B31.9—2020</u>	Building Services Piping	IFC®	IMC®
BPVC—2015 <u>BPVC—2019</u>	ASME Boiler and Pressure Vessel Code (Sections I, II, IV, V & VI, VIII)	IFC® IMC®	IFGC® IRC®

ASSE	American Society of Safety Engineers
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Standard Reference Number	Title	Referenced in Code(s):	
ANSI/ASSE Z359.1—2016 ASSP Z359.1—2019	Requirements for the ANSI/ASSE Z359—The Fall Protection Code	IBC® IMC®	IFC®

ASTM	ASTM International
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Standard Reference Number	Title	Referenced in Code(s):	
B88—14 <u>B88—2016</u>	Specification for Seamless Copper Water Tube	IBC® IFGC® IPC® IRC®	IFC® IMC® IPSDC® ISPSC®
B251—10 <u>B251/B251M—2017</u>	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	IBC® IMC® IPSDC®	IFC® IPC® IRC®
B280—13 <u>B280—2018</u>	Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service	IBC® IFGC®	IFC® IMC®
D56—05(2010) <u>D56—2016A</u>	Test Method for Flash Point by Tag Closed Cup Tester	IBC® IMC®	IFC®
D86—15 <u>D86—2017</u>	Test Method for Distillation of Petroleum Products at Atmospheric Pressure	IBC®	IFC®
D92—12b <u>D92—2018</u>	Test Method for Flash and Fire Points by Cleveland Open Cup Tester	IFC®	
D93—15 <u>D93—2018</u>	Test Method for Flash Point by Pensky-Martens Closed Up Tester	IBC® IMC®	IFC®
D2859—16 <u>D2859—2016</u>	Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials	IBC®	IFC®
E84—2016 <u>E84—2018B</u>	Standard Test Method for Surface Burning Characteristics of Building Materials	IEBC® IMC® IWUIC®	IFC® IRC®
E108—2016 <u>E108—2017</u>	Standard Test Methods for Fire Tests of Roof Coverings	IFC®	IRC®
E648—15a1 <u>E648—2017A</u>	Standard Test Method for Critical Radiant Flux of Floor-covering Systems Using a Radiant Heat Energy Source	IBC®	IFC®
E1354—2016 <u>E1354—2017</u>	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter	IFC®	
E1529—14a <u>E1529—2016E1</u>	Standard Test Method for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies	IFC®	
E1537—2015 <u>E1537—2016</u>	Test Method for Fire Testing of Upholstered Furniture	IFC®	
E1590—13 <u>E1590—2017</u>	Test Method for Fire Testing of Mattresses	IFC®	
E2404—15a <u>E2404—2017</u>	Standard Practice for Specimen Preparation and Mounting of Textile, Paper or Polymeric (Including Vinyl) and Wood Wall or Ceiling Coverings, Facing and Veneers to Assess Surface Burning Characteristics	IBC®	IFC®
E2573—12 <u>E2573—2017</u>	Standard Practice for Specimen Preparation and Mounting of Site-fabricated Stretch Systems to Assess Surface Burning Characteristics	IBC®	IFC®

E2579—13 <u>E2579—2015</u>	Standard Practice for Specimen Preparation and Mounting of Wood Products to Assess Surface Burning Characteristics	IBC®	IFC®
F2200—14 <u>F2200—2017</u>	Standard Specification for Automated Vehicular Gate Construction	IBC®	IFC®

BHMA	Builders Hardware Manufacturers' Association		
Standard Reference Number	Title	Referenced in Code(s):	
A156.10—2011 <u>A156.10—2017</u>	American National Standard for Power-operated Pedestrian Doors	IFC®	
A156.19—2013 <u>A156.19—2020</u>	American National Standard for Power Assist and Low-energy Power-operated Doors	IFC®	
A156.27—2011 <u>A156.27—2019</u>	Power- and Manual-operated Revolving Pedestrian Doors	IFC®	
A156.38—2014 <u>A156.38—2020</u>	Low-energy Power-operated Sliding and Folding Doors	IFC®	

CGA	Compressed Gas Association		
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/CGA G-13—(2015 2016)	Storage and Handling of Silane and Silane Mixtures (an American National Standard)	IFC®	
S-1.1—(2017 2011)	Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases	IFC®	IFGC®
S-1.3—(2016 2008)	Pressure Relief Device Standards—Part 3—Stationary Storage Containers for Compressed Gases	IFC®	IFGC®

FM	FM Approvals		
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/FM 4996—15 <u>4996—2019</u>	Approval Standard for Classification of Pallets and Other Material Handling Products as Equivalent to Wood Pallets	IFC®	

IIAR	International Institute of Ammonia Refrigeration		
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/IIAR-2—2014 <u>Addendum A</u>	Safe Design of Closed-circuit Ammonia Refrigerating Systems	IFC®	
IIAR-7—2013 <u>IIAR-7—2018</u>	Developing Operating Procedures for Closed-circuit Ammonia Mechanical Refrigerating Systems	IFC®	
IIAR-8—2015 <u>IIAR-8—2019</u>	Decommissioning of Closed-circuit Ammonia Refrigerating Systems	IFC®	

IKECA	International Kitchen Exhaust Cleaning Association		
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/IKECA C10—2016	IKECA C10—Standard for the Methodology for Cleaning of Commercial Kitchen Exhaust Systems	IFC®	

NEMA	National Electrical Manufacturer's Association		
Standard Reference	Title	Referenced in Code(s):	

Number

~~250—2014~~ 250—2018

Enclosures for Electrical Equipment (1,000 Volt Maximum)

IFC®

NFPA

National Fire Protection Association

Standard Reference Number	Title	Referenced in Code(s):	
02—16 <u>02—19</u>	Hydrogen Technologies Code	IFC®	
04—15 <u>04—21</u>	Standard for Integrated Fire Protection and Life Safety System Testing	IFC®	
10—18 <u>10—21</u>	Standard for Portable Fire Extinguishers	IBC®	IFC®
12—15 <u>12—18</u>	Standard on Carbon Dioxide Extinguishing Systems	IBC®	IFC®
		IPMC®	
12A—15 <u>12A—18</u>	Standard on Halon 1301 Fire Extinguishing Systems	IBC®	IFC®
		IPMC®	
13—16 <u>13—19</u>	Standard for the Installation of Sprinkler Systems	IBC®	IFC®
		IRC®	
13D—16 <u>13D—19</u>	Standard for the Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes	IBC®	IFC®
		IRC®	
13R—16 <u>13R—19</u>	Standard for the Installation of Sprinkler Systems in Low-rise Residential Occupancies	IBC®	IFC®
		IRC®	
14—16 <u>14—19</u>	Standard for the Installation of Standpipe and Hose Systems	IBC®	IFC®
16—15 <u>16—19</u>	Standard for the Installation of Foam-water Sprinkler and Foam-water Spray Systems	IBC®	IFC®
17—17 <u>17—20</u>	Standard for Dry Chemical Extinguishing Systems	IBC®	IFC®
		IPMC®	
17A—17 <u>17A—20</u>	Standard for Wet Chemical Extinguishing Systems	IBC®	IFC®
		IPMC®	
20—16 <u>20—19</u>	Standard for the Installation of Stationary Pumps for Fire Protection	IBC®	IFC®
24—16 <u>24—19</u>	Standard for Installation of Private Fire Service Mains and Their Appurtenances	IFC®	
25—17 <u>25—20</u>	Standard for the Inspection, Testing and Maintenance of Water-based Fire Protection Systems	IFC®	IPMC®
30—18 <u>30—21</u>	Flammable and Combustible Liquids Code	IBC®	IFC®
30A—18 <u>30A—21</u>	Code for Motor Fuel-dispensing Facilities and Repair Garages	IBC®	IFC®
		IFGC®	IMC®
30B—15 <u>30B—19</u>	Code for the Manufacture and Storage of Aerosol Products	IFC®	
31—16 <u>31—20</u>	Standard for the Installation of Oil-burning Equipment	IBC®	IFC®
		IMC®	IRC®
32—16	Standard for Dry Cleaning Plants <u>Drycleaning Facilities</u>	IBC®	IFC®
33—16 <u>33—18</u>	Standard for Spray Application Using Flammable or Combustible Materials	IFC®	
34—15 <u>34—18</u>	Standard for Dipping, Coating and Printing Processes Using Flammable or Combustible Liquids	IFC®	
40—16 <u>40—19</u>	Standard for the Storage and Handling of Cellulose Nitrate Film	IBC®	IFC®
45—15 <u>45—19</u>	Standard on Fire Protection for Laboratories Using Chemicals (2015 Edition)	IBC®	IFC®
51—18	Standard for the Design and Installation of Oxygen-fuel Gas Systems for Welding, Cutting and Allied Processes	IFC®	IFGC®
		IPC®	
52—16 <u>52—19</u>	Vehicular Gaseous Fuel System Code	IFC®	
55—16 <u>55—19</u>	Compressed Gases and Cryogenic Fluids Code	IBC®	IFC®
		IPC®	
56—17 <u>56—20</u>	Standard for Fire and Explosion Prevention during Cleaning and Purging of Flammable Gas Piping Systems	IFC®	
58—17 <u>58—20</u>	Liquefied Petroleum Gas Code	IBC®	IFC®
		IFGC®	IMC®

		IRC®	
59A—16 <u>59A—19</u>	Standard for the Production, Storage and Handling of Liquefied Natural Gas (LNG)	IFC®	
61—17 <u>61—20</u>	Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities	IBC®	IFC®
69—14 <u>69—19</u>	Standard on Explosion Prevention Systems	IFC®	IMC®
72—16 <u>72—19</u>	National Fire Alarm and Signaling Code	IBC®	IFC®
		IMC®	IPMC®
		IRC®	
80—16 <u>80—19</u>	Standard for Fire Doors and Other Opening Protectives	IBC®	IFC®
		IPMC®	
85—15 <u>85—19</u>	Boiler and Combustion System Hazards Code	IBC®	IFC®
		IFGC®	IMC®
		IRC®	
86—15 <u>86—19</u>	Standard for Ovens and Furnaces	IFC®	
92—15 <u>92—18</u>	Standard for Smoke Control Systems	IBC®	IFC®
		IMC®	
96—17 <u>96—20</u>	Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations	IFC®	IMC®
99—18 <u>99—21</u>	Health Care Facilities Code	IBC®	IFC®
		IPC®	
101—18 <u>101—21</u>	Life Safety Code	IBC®	IFC®
105—16 <u>105—19</u>	Standard for Smoke Door Assemblies and Other Opening Protectives	IBC®	IFC®
		IPMC®	
110—16 <u>110—19</u>	Standard for Emergency and Standby Power Systems	IBC®	IFC®
111—13 <u>111—19</u>	Standard on Stored Electrical Energy Emergency and Standby Power Systems	IBC®	IFC®
120—15 <u>120—20</u>	Standard for Fire Prevention and Control in Coal Mines	IBC®	IFC®
160—16 <u>160—21</u>	Standard for the Use of Flame Effects Before an Audience	IFC®	
204—15 <u>204—18</u>	Standard for Smoke and Heat Venting	IFC®	IPMC®
		IBC®	IFC®
211—16 <u>211—19</u>	Standard for Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances	IFGC®	IMC®
		IRC®	
241—18 <u>241—19</u>	Standard for Safeguarding Construction, Alteration and Demolition Operations	IFC®	
253—15 <u>253—19</u>	Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source	IBC®	IFC®
260—18 <u>260—19</u>	Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture	IFC®	
265—15 <u>265—19</u>	Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile or Expanded Vinyl Wall Coverings in Full Height Panels and Walls	IBC®	IFC®
286—15 <u>286—19</u>	Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	IBC®	IFC®
		IMC®	IRC®
289—18 <u>289—19</u>	Standard Method of Fire Test for Individual Fuel Packages	IBC®	IFC®
303—16 <u>303—21</u>	Fire Protection Standard for Marinas and Boatyards	IFC®	
326—15 <u>326—20</u>	Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning or Repair	IFC®	
400—16 <u>400—19</u>	Hazardous Materials Code	IFC®	
410—15 <u>410—20</u>	Standard on Aircraft Maintenance	IFC®	
484—15 <u>484—19</u>	Standard for Combustible Metals	IFC®	
652—16 <u>652—19</u>	The Fundamentals of Combustible Dust	IBC®	IFC®
654—17 <u>654—20</u>	Standard for Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids	IBC®	IFC®
664—17 <u>664—20</u>	Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities	IBC®	IFC®

701—15 701—19 703—18 703—21	Standard Methods of Fire Tests for Flame-propagation of Textiles and Films Standard for Fire Retardant-Wood and Fire-Retardant Coatings for Building Materials	IBC® IFC®	IFC®
750—15 750—19	Standard on Water Mist Fire Protection Systems	IBC®	IFC®
853—15 853—20	Installation of Stationary Fuel Cell Power Systems	IFC® IMC®	IFGC® IRC®
914—15 914—19	Code for Fire Protection of Historic Structures	IFC®	
1126—16 1126—21	Standard for the Use of Pyrotechnics Before a Proximate Audience	IFC®	
1221—16 1221—19	Standard for the Installation, Maintenance and Use of Emergency Services Communications Systems	IFC®	
2001—15 2001—18	Standard on Clean Agent Fire Extinguishing Systems	IBC® IPMC®	IFC®
2010—15 2010—20	Standard for Fixed Aerosol Fire-extinguishing Systems	IBC®	IFC®

UL	Underwriters Laboratories LLC		
Standard Reference Number	Title	Referenced in Code(s):	
10C—09 10C—2016	Positive Pressure Fire Tests of Door Assemblies—with revisions through February 2015 <u>Assemblies</u>	IFC®	
30—95 30—1995	Metal Safety Cans—with revisions through June 2014	IFC®	
58—96 58—2018	Steel Underground Tanks for Flammable and Combustible Liquids—with revisions through July 1998 <u>Liquids</u>	IFC®	IRC®
87A—15 87A—2015	Outline of Investigation for Power-operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent <u>Percent—with revisions through June 2017</u>	IFC®	
142—06 142—2006	Steel Aboveground Tanks for Flammable and Combustible Liquids—with revisions through August 2014	IFC®	
199E—04 199E—2004	Outline of Investigation for Fire Testing of Sprinklers and Water Spray Nozzles for Protection of Deep Fat Fryers	IBC®	IFC®
217—06 217—2015	Single and Multiple Station Smoke Alarms—with revisions through October 2015 <u>November 2016</u>	IBC® IRC®	IFC®
268—09 268—2016	Smoke Detectors for Fire Alarm Systems—with revisions through July 2016 <u>Systems—with revisions through July 2016</u>	IBC® IPMC®	IFC®
294—1999 294—2018	Access Control System Units—with revisions through February 2015 <u>October 2018</u>	IBC®	IFC®
300—05 (P2010) 300—2005	Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment—with revisions through December 2014	IBC®	IFC®
300A—06 300A—2006	Outline of Investigation for Extinguishing System Units for Residential Range Top Cooking Surfaces	IBC®	IFC®
305—2012	Panic Hardware—with revisions through August 2014 <u>March 2017</u>	IBC®	IFC®
325—02 325—2017	Door, Drapery, Gate, Louver and Window Operators and Systems—with revisions through May 2015 <u>Systems</u>	IBC® IRC®	IFC®
499—05 499—2014	Standard for Electrical Heating Appliances—with revisions through November 2014 <u>February 2017</u>	IFC®	IMC®
647—93 647—1993	Standard for Unvented Kerosene-fired Room Heaters and Portable Heaters—with revisions through April 2010	IFC®	
710—2012	Exhaust Hoods for Commercial Cooking Equipment—with revisions through November 2013 <u>June 2018</u>	IFC®	IMC®
723—08 723—18	Standard for Test for Surface Burning Characteristics of Building Materials—with revisions through August 2013 <u>Materials</u>	IEBC® IRC®	IFC®
790—04 790—2004	Standard Test Methods for Fire Tests of Roof Coverings—with revisions through July 2014 <u>October 2018</u>	IBC® IFC®	IEBC® IRC®
793—08 793—2008	Automatically Operated Roof Vents for Smoke and Heat—with revisions through September 2014 <u>March 2017</u>	IBC®	IFC®

817—2015	Standard for Cord Sets and Power-supply Cords—with revisions through March 2015 <u>August 2018</u>	IFC®	
864—03 864—2014	Control Units and Accessories for Fire Alarm Systems—with revisions through December 2014 <u>March 2018</u>	IBC®	IFC®
900—04 900—2015	Air Filter Units—with revisions through April 2015 <u>Units</u>	IFC®	IMC®
924—06 924—2016	Standard for Safety Emergency Lighting and Power Equipment—with revisions through April 2014 <u>May 2018</u>	IBC®	IFC®
1037—99 1037—2016	Antitheft Alarms and Devices—with revisions through December 2009 <u>September 2017</u>	IFC®	
1046—2010	Grease Filters for Exhaust Ducts—with revisions through January 2012 <u>April 2017</u>	IFC®	IMC®
1275—05 1275—2014	Flammable Liquid Storage Cabinets—with revisions through November 2014 <u>February 2018</u>	IFC®	
1313—93 1313—2015	Standard for Nonmetallic Safety Cans for Petroleum Products—with revisions through November 2012 <u>Products</u>	IFC®	
1315—95 1315—2017	Standard for Safety for Metal Waste Paper Containers—with revisions through September 2012 <u>Containers</u>	IFC®	
1363—07 1363—2018	Relocatable Power Taps—with revisions through September 2015 <u>Taps</u>	IFC®	
1564—2015	Industrial Battery Chargers <u>Chargers</u> -with revisions through August 2017	IFC®	
1741—2015 1741—2010	Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources <u>with revisions through February 2018</u>	IFC®	
1805—2002	Standard for Laboratory Hoods and Cabinets <u>Cabinets</u> -with revisions through June 2006	IFC®	
1973—13 1973—2018	Standard for Batteries for Use in Stationery, Vehicle Auxiliary Power and Light Electric Rail (LER) Applications and Stationary Applications	IFC®	
1994—04 1994—2015	Standard for Luminous Egress Path Marking Systems—with revisions through May 2015 <u>Systems</u>	IBC®	IFC®
2017—08 2017—2008	General-purpose Signaling Devices and Systems—with revisions through May 2011 <u>January 2016</u>	IFC®	
2034—08 2034—2017	Single and Multiple Station Carbon Monoxide Alarms—with revisions through March 2015 <u>September 2018</u>	IFC®	IRC®
2075—2013	Standard for Gas and Vapor Detectors and Sensors <u>Sensors</u> -with revisions through <u>December 2017</u>	IBC® IMC®	IFC® IRC®
2079—04 2079—2015	Tests for Fire Resistance of Building Joint Systems—with revisions through August 2015 <u>Systems</u>	IBC®	IFC®
2085—97 2085—1997	Protected Above-ground Tanks for Flammable and Combustible Liquids—with revisions through September 2010	IFC®	
2152—15 2152—2016	Outline of Investigation for Special Purpose Nonmetallic Containers and Tanks for Specific Combustible or Noncombustible Liquids	IFC®	
2196—2001 2196—2017	Tests for Fire Resistive Cables—with revisions through March 2012 <u>Standard for Fire</u> <u>Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data</u> <u>Cables</u>	IBC®	IFC®
2200—2012	Stationary Engine Generator Assemblies—with revisions through July <u>October 2015</u>	IBC® IFGC®	IFC® IMC®
2245—06 2245—2006	Below-grade Vaults for Flammable Liquid Storage Tanks	IFC®	
2335—10 2335—2010	Fire Tests of Storage Pallets—with revisions through September 2012 <u>August 2017</u>	IFC®	
2360—00 2360—2000	Test Methods for Determining the Combustibility Characteristics of Plastics Used in Semi-Conductor Tool Construction— with revisions through May 2013 <u>October 2017</u>	IFC®	
9540—14 9540—2016	Outline of Investigation <u>Standard</u> for Energy Storage Systems and Equipment	IFC®	IRC®

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE FOR THE IFC.

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update

to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standards developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5816

ADM47-IFC-19

ADM47-IMC-19

Chapter 15

ACCA		Air Conditioning Contractors of America	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/ACCA 1 Manual D—2016	Residential Duct Systems	IMC®	IRC®
AHRI		Air-Conditioning, Heating & Refrigeration Institute	
Standard Reference Number	Title	Referenced in Code(s):	
700—2015 700—2017	with Addendum 1: Specifications for Refrigerants	IMC®	
AMCA		Air Movement and Control Association International	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/AMCA 210—ANSI 210—16/ASHRAE 51—07.51—16	Laboratory Methods of Testing Fans for Aerodynamic Performance Rating	IMC®	IMC®
ANSI/AMCA 550—09 (Rev. 09/18)	Test Method for High Velocity Wind Driven Rain Resistant Louvers	IMC®	
ANSI		American National Standards Institute	
Standard Reference Number	Title	Referenced in Code(s):	
Z21.1—2010 Z21.1/CSA 1.1—2016	Household Cooking Gas Appliances	IFGC®	IMC® IRC®
Z21.8—1994 (R2002 R2012)	Installation of Domestic Gas Conversion Burners	IMC®	
ASHRAE		ASHRAE	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/AMCA 210—ANSI/ASHRAE 51—07.51—16	Laboratory Methods of Testing Fans for Aerodynamic Performance Rating	IMC®	IMC®
ASHRAE—2017 ASHRAE—2021	ASHRAE Fundamentals Handbook	IECC IRC®	IMC®
15—2016 15—2019	Safety Standard for Refrigeration Systems	IFC®	IMC®
34—2016 34—2019	Designation and Safety Classification of Refrigerants	IMC®	IRC®
62.1—2016 62.1—2019	Ventilation for Acceptable Indoor Air Quality	IEBC®	IMC®
180—2012 180—2018	Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems	IMC® IRC®	IMC®
ASME		American Society of Mechanical Engineers	
Standard Reference Number	Title	Referenced in Code(s):	

A112.4.1—2009 <u>(R2019)</u>	Water Heater Relief Valve Drain Tubes	IMC®	IPC®
B1.20.1—2013 <u>B1.20.1—2019</u>	Pipe Threads, General Purpose (Inch)	IFGC® IPC®	IMC® IRC®
B16.3—2016 <u>B16.3—2021</u>	Malleable Iron Threaded Fittings, Classes 150 & 300	IMC® IRC®	IPC®
B16.5—2015 <u>B16.5—2019</u>	Pipe Flanges and Flanged Fittings NPS 1/2 through NPS 24	IFGC®	IMC®
B16.9—2012 <u>B16.9—2018</u>	Factory Made Wrought Steel Buttwelding Fittings	IMC® IRC®	IPC®
B16.11—2016 <u>B16.11—2021</u>	Forged Fittings, Socket-welding and Threaded	IMC® IRC®	IPC®
B16.15—2013 <u>B16.15—2018</u>	Cast Alloy Threaded Fittings: Classes 125 and 250	IMC® IRC®	IPC® ISPC®
B16.18—2012 <u>B16.18—2018</u>	Cast Copper Alloy Solder Joint Pressure Fittings	IBC® IMC® IRC®	IFC® IPC®
B16.22—2013 <u>B16.22—2018</u>	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	IBC® IMC® IRC®	IFC® IPC®
B16.24—2016 <u>B16.24—2021</u>	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Class 150, 300, 400, 600, 900, 1500 and 2500	IFGC®	IMC®
B16.26—2016 <u>B16.26—2018</u>	Cast Copper Alloy Fittings for Flared Copper Tubes	IMC® IRC®	IPC®
B16.51—2013 <u>B16.51—2018</u>	Copper and Copper Alloy Press-connect Pressure Fittings	IMC® IRC®	IPC®
B31.5—2016 <u>B31.5—2019</u>	Refrigeration Piping and Heat Transfer Components	IMC®	
B31.9—2014 <u>B31.9—2020</u>	Building Services Piping	IFC®	IMC®
BPVC—2015 <u>BPVC—2019</u>	ASME Boiler & Pressure Vessel Code—07 Edition	IFC® IMC®	IFGC® IRC®
CSD-1—2016 <u>CSD-1—2021</u>	Controls and Safety Devices for Automatically Fired Boilers	IFGC® IRC®	IMC®

ASSE	American Society of Safety Engineers		
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/ASSE Z359.1—2016 ASSP Z359.1—2019	Requirements for ANSI/ASSE Z359—The Fall Protection Code	IBC® IMC®	IFC®

ASSE	ASSE International		
Standard Reference Number	Title	Referenced in Code(s):	
1017—2010 <u>1017—2009</u>	Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems	IMC® IRC®	IPC®

ASTM	ASTM International		
Standard Reference Number	Title	Referenced in Code(s):	
A53/A53M—12 <u>A53M—2018</u>	Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated, Welded and Seamless	IFGC® IPC®	IMC® IRC®
A106/A106M—14 <u>A106M—2018</u>	Specification for Seamless Carbon Steel Pipe for High-temperature Service	IFGC® IRC®	IMC®

A234/A234M—15 <u>A234M—18A</u>	Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service	IMC®	
A254—12 <u>A254—2010(2018)</u>	Specification for Copper Braze Steel Tubing	IFGC® IRC®	IMC®
A420/A420M—14 <u>A420M—2016</u>	Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-temperature Service	IMC®	
B88—14 <u>B88—2016</u>	Specification for Seamless Copper Water Tube	IBC® IFGC® IPC® IRC®	IFC® IMC® IPSDC® ISPSC®
B135—10 <u>B135/B135M—2017</u>	Specification for Seamless Brass Tube	IMC®	IRC®
B251—10 <u>B251/B251M—2017</u>	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	IBC® IMC® IPSDC®	IFC® IPC® IRC®
B280—13 <u>B280—2018</u>	Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service	IBC® IFGC®	IFC® IMC®
B302—12 <u>B302—2017</u>	Specification for Threadless Copper Pipe, Standard Sizes	IMC® IRC®	IPC®
B813—10 <u>B813—2016</u>	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube	IMC® IPSDC®	IPC® IRC®
B819—00(R2011) <u>B819—2018</u>	Standard Specification for Seamless Copper Tube for Medical Gas Systems	IMC®	
B828—02(2010) <u>B828—2016</u>	Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings	IMC® IPSDC®	IPC® IRC®
C315—07 <u>C315—2007(2011, 2016)</u>	Specification for Clay Flue Liners and Chimney Pots	IBC® IMC®	IFGC® IRC®
C411—11 <u>C411—2017</u>	Test Method for Hot-surface Performance of High-temperature Thermal Insulation	IMC®	IRC®
D56—05(2010) <u>D56—2016A</u>	Test Method for Flash Point by Tag Closed Cup Tester	IBC® IMC®	IFC®
D93—15 <u>D93—18</u>	Test Method for Flash Point of Pensky-Martens Closed Cup Tester	IBC® IMC®	IFC®
D1785—15 <u>D1785—15E1</u>	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120	IMC® IRC®	IPC® ISPSC®
D2235—04 <u>D2235—2004(2011, 2016)</u>	Specifications for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings	IMC® IPSDC®	IPC® IRC®
D2412—11 <u>D2412—2011(2018)</u>	Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-plate Loading	IMC®	IRC®
D2466—15 <u>D2466—2017</u>	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40	IMC® IRC®	IPC® ISPSC®
D2564—12 <u>D2564—2012(2018)</u>	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems	IMC® IPSDC®	IPC® IRC®
D2657—07 <u>D2657—2007(2015)</u>	Standard Practice for Heat Fusion Joining of Polyolefin Pipe and Fittings	IMC® IPSDC®	IPC® IRC®
D2846/D2846M—14 <u>D2846M—2017BE1</u>	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-water Distribution Systems	IMC® IRC®	IPC® ISPSC®
D2996—01(2007)e01 <u>D2996—2017</u>	Specification for Filament-wound Fiberglass (Glass Fiber Reinforced Thermosetting Resin) Pipe	IMC®	
D3261—12e1 <u>D3261—2016</u>	Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing	IMC® IRC®	IPC®
E84—2016 <u>E84—2018B</u>	Standard Test Method for Surface Burning Characteristics of Building Materials	IEBC® IMC® IWUIC®	IFC® IRC®

E119—2016 <u>E119—2018B</u>	Test Method for Fire Tests of Building Construction and Materials	IMC® IWUIC®	IRC®
E136—16 <u>E136—2016A</u>	Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 Degrees C	IBC® IFGC® IWUIC®	IEBC® IMC®
E814—13a <u>E814—2013A(2017)</u>	Standard Test Method for Fire Tests of Penetration Firestop Systems	IMC®	
E1509—12 <u>E1509—2012(2017)</u>	Specification for Room Heaters, Pellet Fuel-burning Type	IMC®	IRC®
E2231—15 <u>E2231—2018</u>	Standard Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics	IMC®	IRC®
F438—15 <u>F438—2017</u>	Specification for Socket Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40	IMC® IRC®	IPC® ISPSC®
F876—15A <u>F876—2018A</u>	Specification for Cross-linked Polyethylene (PEX) Tubing	IMC® IRC®	IPC®
F877—11a <u>F877—2018A</u>	Specification for Cross-linked Polyethylene (PEX) Plastic Hot- and Cold-water Distribution Systems	IMC®	IPC®
F1055—13 <u>F1055—2016A</u>	Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Cross linked Polyethylene (PEX) Pipe and Tubing	IMC® IRC®	IPC®
F1281—11 <u>F1281—2017</u>	Specification for Cross-linked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe	IMC® IRC®	IPC®
F1282—10 <u>F1282—2017</u>	Standard Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe	IMC® IRC®	IPC®
F1548—01 <u>F1548—2001(2012, 2018)</u>	Standard Specification for the Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications	IMC®	IPC®
F1807—15 <u>F1807—2018</u>	Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing	IMC® IRC®	IPC®
F1960—15 <u>F1960—2018</u>	Specification for Cold-expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing	IMC® IRC®	IPC®
F2080—15 <u>F2080—16</u>	Specification for Cold-expansion Fittings with Metal Compression-sleeves for Cross-linked Polyethylene (PEX) Pipe	IMC® IRC®	IPC®
F2098—08 <u>F2098—2015</u>	Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings	IMC® IRC®	IPC®
F2159—14 <u>F2159—2018</u>	Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing	IMC® IRC®	IPC®
F2389—15 <u>F2389—2017A</u>	Specification for Pressure-rated Polypropylene Piping Systems	IMC® IRC®	IPC®
F2735—09 <u>F2735—2009(2016)</u>	Standard Specification for Plastic Insert Fittings for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing	IMC® IRC®	IPC®
F2769—14 <u>F2769—2018</u>	Polyethylene of Raised Temperature (PE-RT) Plastic Hot- and Cold-water Tubing and Distribution Systems	IMC® IRC®	IPC®

AWS

American Welding Society

Standard Reference Number	Title	Referenced in Code(s):	
A5.8M <u>A5.8/A5.8—2011</u> <u>A5.8: 2011-AMD1</u>	Specifications for Filler Metals for Brazing and Braze Welding	IMC® IRC®	IPC®

AWWA

American Water Work Association

Standard Reference

Number	Title	Referenced in Code(s):
C151/A21.51—09 A21.51—17	Standard for Ductile-iron Pipe, Centrifugally Cast for Water	IMC® IPC® IRC®

CSA	CSA Group	
Standard Reference Number	Title	Referenced in Code(s):
B137.2—16 B137.2—17	Polyvinylchloride (PVC) Injection-moulded Gasketed Fittings for Pressure Applications	IMC® IPC® IRC® ISPSC®
B137.3—16 B137.3—17	Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications	IMC® IPC® IPSDC® IRC® ISPSC®
B137.6—16 B137.6—17	Chlorinated Polyvinylchloride (CPVC) Pipe, Tubing and Fittings for Hot- and Cold-water Distribution Systems	IMC® IPC® IRC® ISPSC®
B137.9—16 B137.9—17	Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure-pipe Systems	IMC® IPC® IRC®
B137.10—16 B137.10—17	Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Composite Pressure-pipe Systems	IMC® IPC®
<u>ANSI/CSA /IGSHPA C448 Series—16</u>	<u>Design and Installation of Earth Energy Systems installation of ground source heat pump systems for commercial and residential buildings</u>	IMC® IRC®
<u>CSA C22.2 No. 218.1—M89 218.1—13 (R2014 R2017)</u>	Spas, Hot Tubs and Associated Equipment	IMC®
<u>CSA C22.2 No. 236—11 236—15</u>	Heating and Cooling Equipment	IMC®
<u>CSA B137.1—16 B137.1—17</u>	Polyethylene (PE) Pipe, Tubing and Fittings for Cold-water Pressure Services	IMC®
<u>CSA B137.5—16 B137.5—17</u>	Cross-linked Polyethylene (PEX) Tubing Systems for Pressure Applications	IMC®
<u>CSA B137.11—16 B137.11—17</u>	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications	IMC®
<u>CSA B137.18—13 B137.18—17</u>	Polyethylene of Raised Temperature Resistance (PE-RT) Tubing Systems for Pressure Applications	IMC®
<u>America FC1—2012 ANSI/CSA FC1—2014</u>	<u>Stationary Fuel Cell Power Systems Fuel cell technologies - Part 3-100: Stationary fuel cell power systems-Safety</u>	IMC®

IIAR	International Institute of Ammonia Refrigeration	
Standard Reference Number	Title	Referenced in Code(s):
<u>ANSI/IIAR 2—2014, Addendum A</u>	Safe Design of Closed-circuit Ammonia Refrigerating Systems	IMC®
<u>ANSI/IIAR 3—2012 3—2017</u>	Ammonia Refrigeration Valves	IMC®
<u>ANSI/IIAR 5—2012 5—2019</u>	Start-up and Commissioning of Closed-circuit Ammonia Refrigeration Systems	IMC®

MSS	Manufacturers Standardization Society of the Valve and Fittings Industry, Inc.	
Standard Reference Number	Title	Referenced in Code(s):
<u>SP 58—2009 58—2018</u>	Pipe Hangers and Supports—Materials Design and Manufacture, Selection, Application and Installation	IMC®

NBBI		National Board of Boiler and Pressure Vessel Inspectors	
Standard Reference Number	Title	Referenced in Code(s):	
NBIC—2011 <u>NBIC—2017</u>	National Board Inspection Code, Part 3	IMC®	
NFPA		National Fire Protection Association	
Standard Reference Number	Title	Referenced in Code(s):	
2—16 <u>2—19</u>	Hydrogen Technologies Code	IFGC®	IMC®
30A—18 <u>30A—21</u>	Code for Motor Fuel-dispensing Facilities and Repair Garages	IBC®	IFC®
		IFGC®	IMC®
31—16 <u>31—20</u>	Standard for the Installation of Oil-burning Equipment	IBC®	IFC®
		IMC®	IRC®
58—17 <u>58—20</u>	Liquefied Petroleum Gas Code	IBC®	IFC®
		IFGC®	IMC®
		IRC®	
69—14 <u>69—19</u>	Standard on Explosion Prevention Systems	IFC®	IMC®
72—16 <u>72—19</u>	National Fire Alarm and Signaling Code	IBC®	IFC®
		IMC®	IPMC®
		IRC®	
82—14 <u>82—19</u>	Standard on Incinerators and Waste and Linen Handling Systems and Equipment	IBC®	IFGC®
		IMC®	
85—15 <u>85—19</u>	Boiler and Combustion Systems Hazards Code	IBC®	IFC®
		IFGC®	IMC®
		IRC®	
91—15 <u>91—20</u>	Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists and Noncombustible Particulate Solids	IMC®	
92—15 <u>92—18</u>	Standard for Smoke Control Systems	IBC®	IFC®
		IMC®	
96—17 <u>96—20</u>	Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations	IFC®	IMC®
211—16 <u>211—19</u>	Standard for Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances	IBC®	IFC®
		IFGC®	IMC®
		IRC®	
262—15 <u>262—19</u>	Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-handling Spaces	IMC®	
286—15 <u>286—19</u>	Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	IBC®	IFC®
		IMC®	IRC®
853—15 <u>853—20</u>	Standard on Installation of Stationary Fuel Cell Power Plant Systems	IFC®	IFGC®
		IMC®	IRC®
NSF		NSF International	
Standard Reference Number	Title	Referenced in Code(s):	
NSF 358-1—2014 <u>358-1—2017</u>	Polyethylene Pipe and Fittings for Water-based Ground-source “Geothermal” Heat Pump Systems	IMC®	
NSF 358-2—2012 <u>358-2—2017</u>	Polypropylene Pipe and Fittings for Water-based Ground-source “Geothermal” Heat Pump Systems	IMC®	
SMACNA		Sheet Metal and Air Conditioning Contractors’ National	

Standard Reference Number	Association, Inc. Title	Referenced in Code(s):	
SMACNA—10	Fibrous Glass Duct Construction Standards <u>7th Edition</u>	IMC®	IRC®
SMACNA/ANSI—2016	HVAC Duct Construction Standards-Metal and Flexible 4th Edition (ANSI)- 2016	IMC®	IRC®
SMACNA 2015	<u>SMACNA Phenolic Duct Construction Standard - 1st Edition (ANSI)</u>	IMC®	

UL	UL LLC		
Standard Reference Number	Title	Referenced in Code(s):	
103—2010	Factory-built Chimneys, Residential Type and Building Heating Appliance—with Appliances—with revisions through July 2012 <u>March 2017</u>	IBC® IMC®	IFGC® IRC®
127—2011	Factory-built Fireplaces—with revisions through May 2015 <u>July 2016</u>	IBC® IMC®	IFGC® IRC®
174—04	Household Electric Storage Tank Water Heaters—with revisions through April 2015 <u>December 2016</u>	IMC®	IRC®
180—2012	Liquid-level Indicating Gauges for Oil Burner Fuels and Other Combustible Liquids <u>Liquids-with revisions through May 2017</u>	IMC® IRC®	IMC®
181—05	Factory-made Air Ducts and Air Connectors—with revisions through October 2008 <u>April 2017</u>	IMC®	IRC®
181A—2013	Closure Systems for Use with Rigid Air Ducts and Air Connectors - <u>with revisions through March 2017</u>	IMC®	IRC®
181B—2013	Closure Systems for Use with Flexible Air Ducts and Air Connectors - <u>with revisions through March 2017</u>	IMC®	IRC®
197—10	Commercial Electric Cooking Appliances—with revisions through September 2014 <u>January 2018</u>	IMC®	
263—2011	Standard for Fire Test of Building Construction and Materials—with revisions through June 2015 <u>March 2018</u>	IMC® IWUIC®	IRC®
268—2009 268—2016	Smoke Detectors for Fire Alarm Systems <u>Systems-with revisions through July 2016</u>	IMC®	IRC®
268A—2008	Smoke Detectors for Duct Application—with revisions through October 2014 <u>August 2016</u>	IMC®	
343—2008 343—2017	Pumps for Oil-burning Appliances—with revisions through June 2013 <u>Appliances</u>	IMC®	IRC®
378—06 378—2006	Draft Equipment—with revisions through June 12, 2014 <u>September 2013</u>	IMC®	IRC®
412—2011	Refrigeration Unit Coolers—with revisions through September 2013 <u>August 2018</u>	IMC®	
471—2010	Commercial Refrigerators and Freezers—with revisions through December 2012 <u>November 2018</u>	IMC®	
499—05 499—2014	Electric Heating Appliances—with revisions through November 2014 <u>February 2017</u>	IFC®	IMC®
507—2014 507—2017	Standard for Electric Fans <u>Electric Fans-with revisions through August 2018</u>	IMC®	
508—99 508—2018	Industrial Control Equipment—with revisions through October 2013 <u>Equipment</u>	IMC® IRC®	IPC®
536—97 536—2014	Flexible Metallic Hose—with revisions through December 2014 <u>Hose</u>	IMC®	IRC®
555—06	Fire Dampers—with revisions through May 2014 <u>October 2016</u>	IMC®	
555C—06 555C—2014	Ceiling Dampers—with revisions through December 2014 <u>May 2017</u>	IMC®	
555S—99 555S—2014	Smoke Dampers—with revisions through February 2014 <u>October 2018</u>	IBC®	IMC®
586—2009	High-efficiency, Particulate, Air Filter Units—with revisions through September 2014 <u>December 2017</u>	IMC®	
641—2010	Type L Low-temperature Venting Systems—with revisions through June 2013 <u>April 2018</u>	IBC® IMC®	IFGC® IRC®
705—2004 705—2017	Standard for Power Ventilators—with revisions through December 2013 <u>October 2018</u>	IMC®	
710—2012	Exhaust Hoods for Commercial Cooking Equipment—with revisions through November 2013 <u>June 2018</u>	IFC®	IMC®

723—2008 <u>723—2018</u>	Standard for Test for Surface Burning Characteristics of Building Materials—with revisions through August 2013 <u>Materials</u>	IBC® IWUIC®	IMC®
727—06 <u>727—2018</u>	Oil-fired Central Furnace—with revisions through October 2013 <u>Furnace</u>	IECC IRC®	IMC®
729—03 <u>729—2003</u>	Oil-fired Floor Furnaces—with revisions through October 2013 <u>November 2016</u>	IMC®	IRC®
730—03 <u>730—2003</u>	Oil-fired Wall Furnaces—with revisions through October 2013 <u>November 2016</u>	IMC®	IRC®
731—95 <u>731—2018</u>	Oil-fired Unit Heaters—with revisions through October 2013 <u>Heaters</u>	IECC	IMC®
732—95 <u>732—2018</u>	Oil-fired Storage Tank Water Heaters—with revisions through October 2013 <u>Heaters</u>	IMC®	IRC®
737—2011	Fireplace Stoves—with revisions through August 2015 <u>Stoves</u>	IMC®	IRC®
762—2010 <u>762—2013</u>	Outline of Investigation for Power Ventilators for Restaurant Exhaust Appliances—with revisions through October 2013 <u>Appliances</u>	IMC®	
791—06 <u>791—2006</u>	Residential Incinerators—with revisions through November 2014	IMC®	
834—04	Heating, Water Supply and Power Boilers Electric—with revisions through December 2013 <u>September 2018</u>	IMC®	IRC®
842—07 <u>842—2015</u>	Valves for Flammable Fluids—with revisions through May 2015	IMC®	IRC®
858—05 <u>858—2014</u>	Household Electric Ranges—with revisions through June 2015 <u>2018</u>	IMC®	IRC®
867—2011	Electrostatic Air Cleaners—with revisions through August 2013 <u>2018</u>	IMC®	
875—09 <u>875—2009</u>	Electric Dry Bath Heater—with revisions through December 2013 <u>September 2017</u>	IMC®	IRC®
896—93 <u>896—1993</u>	Oil-burning Stoves—with revisions through November 2013 <u>2016</u>	IMC®	IRC®
900—04 <u>900—2015</u>	Air Filter Units—with revisions through April 2015 <u>Units</u>	IFC®	IMC®
907—94 <u>907—2016</u>	Fireplace Accessories—with revisions through June 2014 <u>Accessories</u>	IMC®	
923—2013	Microwave Cooking Appliances—with revisions through June 2015 <u>July 2017</u>	IMC®	IRC®
1046—2010	Grease Filters for Exhaust Ducts—with revisions through January 2012 <u>April 2017</u>	IFC®	IMC®
1240—2012 <u>1240—2005</u>	Electric Commercial Clothes—Drying Equipment—with revisions through October 2012 <u>March 2018</u>	IMC®	
1261—01	Electric Water Heaters for Pools and Tubs—with revisions through July 2012 <u>September 2017</u>	IMC®	IRC®
1453—04 <u>1453—2016</u>	Electric Booster and Commercial Storage Tank Water Heaters—with revisions through July 2011 <u>May 2018</u>	IMC®	
1479—03 <u>1479—2015</u>	Fire Tests of Through penetration Firestops—with revisions through June 2015 <u>Penetration Firestops</u>	IBC® IRC®	IMC®
1482—2011	Solid-fuel Type Room Heaters—with revisions through August 2015	IBC® IRC®	IMC®
1563—2009	Standard for Electric Spas, Hot Tubs and Associated Equipment—with revisions through March 2015 <u>October 2017</u>	IMC® ISPSC®	IRC®
1618—09 <u>1618—2015</u>	Wall Protectors, Floor Protectors and Hearth Extensions—with revisions through October 2015 <u>January 2018</u>	IFGC® IRC®	IMC®
1777—2007	Chimney Liners—with revisions through October 2015 <u>April 2014</u>	IBC® IMC®	IFGC®
1812—2013	Standard for Ducted Heat Recovery Ventilators—with revisions through April 2014 <u>July 2018</u>	IMC®	
1815—2012	Standard for Nonducted Heat Recovery—with revisions through April 2014 <u>July 2018</u>	IMC®	
1820—04 <u>1820—2004</u>	Fire Test of Pneumatic Tubing for Flame and Smoke Characteristics—with revisions through May 2013 <u>July 2017</u>	IMC®	
1887—04 <u>1887—2004</u>	Fire Tests of Plastic Sprinkler Pipe for Visible Flame and Smoke Characteristics—with revisions through May 2013 <u>July 2017</u>	IMC®	
1978—2010	Grease Ducts—with revisions through September 2013 <u>April 2017</u>	IMC®	
1995—2011 <u>1995—2015</u>	Heating and Cooling Equipment—with revisions through July 2015 <u>August 2018</u>	IMC® ISPSC®	IRC®
1996—2009	Electric Duct Heaters—with revisions through June 2014 <u>July 2016</u>	IMC®	IRC®

2024 — 2011 <u>2024</u> — <u>2014</u>	Standard for Safety Optical-fiber and Communications Cable Raceway—with revisions through August 2015	IMC®	
2043 — 2008 <u>2043</u> — <u>2013</u>	Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-handling Spaces—with revisions through October 2013 <u>July 2018</u>	IMC®	
2075—2013	Standard for Gas and Vapor Detectors and Sensors <u>Sensors—with revisions through December 2017</u>	IBC® IMC®	IFC® IRC®
2158 — 97 <u>2158</u> — <u>2018</u>	Electric Clothes Dryers—with revisions through March 2009 <u>Dryers</u>	IMC®	
2158A — 2010 <u>2158A</u> — <u>2013</u>	Outline of Investigation for Clothes Dryer Transition Duct <u>Duct—with revisions through April 2017</u>	IMC®	IRC®
2162 — 01 <u>2162</u> — <u>2014</u>	<u>Outline of Investigation for Commercial Wood-fired Baking Ovens-Refractory Type</u>	IMC®	
2200—2012	<u>Stationary Engine Generator Assemblies—with revisions through July 2015</u>	IBC® IFGC®	IFC® IMC®
2518 — 05 <u>2518</u> — <u>2016</u>	Air Dispersion System Materials <u>Systems</u>	IMC®	
2523 — 09 <u>2523</u> — <u>2009</u>	Solid Fuel-fired Hydronic Heating Appliances—with Appliances, Water Heaters, and Boilers—with revisions through February 2013 <u>March 2018</u>	IMC®	IRC®
2846 — 14 <u>2846</u> — <u>2014</u>	Fire Test of Plastic Water Distribution Plumbing Pipe for Visible Flame and Smoke Characteristics <u>Characteristics—with revisions through December 2016</u>	IMC®	

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE-IMC.

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standards developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5811

ADM47-IMC-19

ADM47-IPC-19

Chapter 15

ASME	American Society of Mechanical Engineers		
Standard Reference Number	Title	Referenced in Code(s):	
A112.1.2—2012 <u>A112.1.2—2022</u>	Air Gaps in Plumbing Systems (For Plumbing Fixtures and Water Connection Receptors)	IPC® ISPSC®	IRC®
A112.1.3—2000 (R2015 R2020)	Air Gap Fittings for Use with Plumbing Fixtures, Appliances and Appurtenances	IPC®	
A112.3.1—2007 (R2012 R2022)	Stainless Steel Drainage Systems for Sanitary, DWV, Storm and Vacuum Applications Above and Below Ground	IPC®	
ASME A112.3.4—2013 A112.3.4—2020/CSA B45.9—2013 <u>B45.9—2020</u>	Macerating Toilet Systems and Related Components	IPC®	
A112.4.1—2009 (R2019)	Water Heater Relief Valve Drain Tubes	IMC® IRC®	IPC®
A112.4.2—2015 <u>A112.4.2—2020/CSA B45.16—15</u> B45.16—20	Water Closet Personal Hygiene Devices	IPC®	
A112.4.3—1999 (R2010 R2020)	Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System	IPC®	IRC®
A112.4.14—2004 (R2016 R2019)	Manually Operated, Quarter-turn Shutoff Valves for Use in Plumbing Systems	IPC®	IRC®
A112.6.2—2000 (R2016) A112.6.2—2022	Framing-affixed Supports for Off-the-floor Water Closets with Concealed Tanks	IPC®	IRC®
A112.6.3—2001 (R2016) A112.6.3—2019	Floor and Trench Drains	IPC®	IRC®
A112.6.4—2003 (R2012 R2020)	Roof, Deck, and Balcony Drains	IPC®	
A112.6.7—2010 (R2015 R2020)	Sanitary Floor Sinks	IPC®	
A112.6.9—2005 (R2015 R2020)	Siphonic Roof Drains	IPC®	
A112.14.1—2003 (R2012 R2022)	Backwater Valves	IPC®	
A112.14.3—2016 <u>A112.14.3—2021</u>	Grease Interceptors	IPC®	
A112.14.4—2001 (R2012 R2022)	Grease Removal Devices	IPC®	
A112.14.6—2010 (R2015 R2020)	FOG (Fats, Oils and Greases) Disposal Systems	IPC®	
A112.18.1—2017 <u>A112.18.1—2020/CSA B125.1—2017</u> B125.1—2020	Plumbing Supply Fittings	IPC®	IRC®
A112.18.2—2015 <u>A112.18.2—2019/CSA B125.2—15</u> B125.2—19	Plumbing Waste Fittings	IPC®	
A112.18.3—2002 A112.18.3M—2002 (R2012 R2020)	Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings	IPC®	
A112.18.6—2017 <u>A112.18.6</u>			

—2021/CSA B125.6—17	Flexible Water Connectors	IPC®	IRC®
B125.6—21 A112.18.9—2011(R2022)	Protectors/Insulators for Exposed Waste and Supplies on Accessible Fixtures	IPC®	
A112.19.1—2013 A112.19.1 —2020/CSA B45.2—2013 B45.2—2020	Enameled Cast Iron and Enameled Steel Plumbing Fixtures	IPC®	IRC®
A112.19.2—2013 A112.19.2 —2020/CSA B45.1—13 B45.1—20	Ceramic Plumbing Fixtures	IPC®	
A112.19.3—2008 A112.19.3 —2021/CSA B45.4— 08(R2013) B45.4—2021	Stainless Steel Plumbing Fixtures	IPC®	
A112.19.5—2017 A112.19.5 —2021/CSA B45.15—2017 B45.15—2021	Flush Valves and Spuds for Water-closets, Urinals, and Tanks	IPC®	IRC®
A112.19.7M—2017 A112.19.7—2012/CSA B45.10—17 B45.10— 2012(2021)	Hydromassage Bathtub Systems	IPC®	
A112.19.12—2014 A112.19.12—2019	Wall Mounted and Pedestal Mounted, Adjustable, Elevating, Tilting and Pivoting Lavatory, Sink and Shampoo Bowl Carrier Systems and Drain Waste Systems	IPC®	IRC®
A112.19.14—2013 (R2018)	Six-liter Water Closets Equipped with a Dual Flushing Device	IPC®	IRC®
A112.19.15—2012 (R2017)	Bathtub/Whirlpool Bathtubs with Pressure Sealed Doors	IPC®	IRC®
A112.19.19—2006(R2011) A112.19.19—2021	Vitreous China Nonwater Urinals	IPC®	
A112.21.3—1985(R2007 R2017)	Hydrants for Utility and Maintenance Use	IPC®	
A112.36.2M—1991(R2012 R2017)	Cleanouts	IPC®	
ASSE 1002—2015 1002— 2020/ASME A112.1002— 2015 A112.1002— 2020/CSA B125.12—15 B125.12—20	Anti-Siphon Fill Valves	IPC® IRC® IRC®	IPC® IRC®
ASSE 1016—2017 1016— 2020/ASME A112.1016— 2017 A112.1016— 2020/CSA B125.16—2017 B125.16—2020	Performance Requirements for Individual Thermostatic, Pressure Balancing and Combination Control Valves for Individual Fixture Fittings	IPC®	IPC®
ASSE 1070—2015 1070— 2020/ASME A112.1070— 2015 A112.1070— 2020/CSA B125.1070—15 B125.1070—20	Water Temperature Limiting Devices	IPC®	
B1.20.1—2013 B1.20.1— 2019	Pipe Threads, General Purpose (inch)	IFGC® IPC®	IMC® IRC®
B16.3—2016 B16.3—2021	Malleable Iron Threaded Fittings Classes 150 and 300	IMC® IRC®	IPC®
B16.4—2016 B16.4—2021	Gray Iron Threaded Fittings Classes 125 and 250	IPC®	IRC®
B16.9—2012 B16.9—2018	Factory-made Wrought Steel Buttwelding Fittings	IMC® IRC®	IPC®
B16.11—2016 B16.11— 2021	Forged Fittings, Socket-welding and Threaded	IMC® IRC®	IPC®
B16.12—2009 (R2014 R2019)	Cast-iron Threaded Drainage Fittings	IPC®	IRC®

B16.15—2013 <u>B16.15—2018</u>	Cast Alloy Threaded Fittings: Class 125 and 250	IMC® IRC®	IPC® ISPSC®
B16.18—2012 <u>B16.18—2018</u>	Cast Copper Alloy Solder Joint Pressure Fittings	IBC® IMC® IRC®	IFC® IPC®
B16.22—2013 <u>B16.22—2018</u>	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	IBC® IMC® IRC®	IFC® IPC®
B16.23—2016 <u>B16.23—2021</u>	Cast Copper Alloy Solder Joint Drainage Fittings DWV	IPC®	IRC®
B16.26—2016 <u>B16.26—2018</u>	Cast Copper Alloy Fittings for Flared Copper Tubes	IMC® IRC®	IPC®
B16.29—2012 <u>B16.29—2017</u>	Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings (DWV)	IPC®	IRC®
B16.34—2015 <u>B16.34—2020</u>	Valves Flanged, Threaded and Welding End	IPC®	IRC®
B16.51—2013 <u>B16.51—2018</u>	Copper and Copper Alloy Press-connect Pressure Fittings	IMC® IRC®	IPC®

ASSE	ASSE International		
Standard Reference Number	Title	Referenced in Code(s):	
1001—2016 <u>1001—2017</u>	Performance Requirements for Atmospheric Type Vacuum Breakers	IPC®	IRC®
ASSE 1002—2015/ASME A112.1002—2015/CSA B125.12—15	Antisiphon <u>Anti-siphon</u> Fill Valves	IPC® IRC® IRC®	IPC® IRC®
1013—2017 <u>1013—2011</u>	Performance Requirements for Reduced Pressure Principle Backflow Preventers and Reduced Pressure Principle Fire Protection Backflow Preventers	IPC®	IRC®
1017—2010 <u>1017—2009</u>	Performance Requirements for Temperature Actuated Mixing Valves for Hot Water Distribution Systems	IMC® IRC®	IPC®
1018—2017 <u>1018—2001</u>	Performance Requirements for Trap Seal Primer Valves; Potable Water Supplied	IPC®	IRC®
1019—2016 <u>1019—2011</u> (R2016)	Performance Requirements for Vacuum Breaker Wall Hydrants, Freeze Resistant, Automatic Draining Type	IPC®	IRC®
1022—2016 <u>1022—2017</u>	Performance Requirements for Backflow Preventer for Beverage Dispensing Equipment	IPC®	
1024—2016 <u>1024—2017</u>	Performance Requirements for Dual Check Valve Type Backflow Preventers, Anti-siphon-type, Residential Applications	IPC®	IRC®
1044—2010 <u>1044—2015</u>	Performance Requirements for Trap Seal Primer Devices _Drainage Types and Electronic Design Types	IPC®	IRC®
1047—2017 <u>1047—2011</u>	Performance Requirements for Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies	IPC®	IRC®
1048—2017 <u>1048—2011</u>	Performance Requirements for Double Check Detector Fire Protection Backflow Prevention Assemblies	IPC®	IRC®
1055—2016 <u>1055—2018</u>	Performance Requirements for Chemical Dispensing Systems <u>with Integral Backflow Protection</u>	IPC®	
1060—2016 <u>1060—2017</u>	Performance Requirements for Outdoor Enclosures for Fluid Conveying Components	IPC®	IRC®
1062—2016 <u>1062—2017</u>	Performance Requirements for Temperature Actuated, Flow Reduction (TAFR) Valves to Individual Supply Fittings	IPC®	IRC®
1066—2016 <u>1066—1997</u>	Performance Requirements for Individual Pressure Balancing In-line Valves for Individual Fixture Fittings	IPC®	IRC®

ASTM

ASTM International

Standard Reference Number	Title	Referenced in Code(s):	
A53/A53M—12 <u>A53M—2018</u>	Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless	IFGC® IPC®	IMC® IRC®
A74—15 <u>A74—17</u>	Specification for Cast-iron Soil Pipe and Fittings	IPC® IRC®	IPSDC®
A312/A312M—15a <u>A312M—2018</u>	Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes	IPC® ISPSC®	IRC®
A733—15 <u>A733—16</u>	Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples	IPC®	
A778/A778M—15 <u>A778M—16</u>	Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products	IPC®	IRC®
A888—15 <u>A888—2018</u>	Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Application	IPC® IRC®	IPSDC®
B88—14 <u>B88—2016</u>	Specification for Seamless Copper Water Tube	IBC® IFGC® IPC® IRC®	IFC® IMC® IPSDC® ISPSC®
B251—10 <u>B251/B251M—2017</u>	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	IBC® IMC® IPSDC®	IFC® IPC® IRC®
B302—12 <u>B302—17</u>	Specification for Threadless Copper Pipe, Standard Sizes	IMC® IRC®	IPC®
B687—99 <u>B687—1999(2011 2016)</u>	Specification for Brass, Copper and Chromium-plated Pipe Nipples	IPC®	
B813—10 <u>B813—16</u>	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube	IMC® IPSDC®	IPC® IRC®
B828—02(2010) <u>B828—2016</u>	Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings	IMC® IPSDC®	IPC® IRC®
C4—04(2014) <u>C4—2018</u>	Specification for Clay Drain Tile and Perforated Clay Drain Tile	IPC® IRC®	IPSDC®
C76—15a <u>C76—2018A</u>	Specification for Reinforced Concrete Culvert, Storm Drain and Sewer Pipe	IPC® IRC®	IPSDC®
C425—04 <u>C425—2004(2013 2018)</u>	Specification for Compression Joints for Vitrified Clay Pipe and Fittings	IPC® IRC®	IPSDC®
C443—12 <u>C443—2012 (2017)</u>	Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets	IPC® IRC®	IPSDC®
C700—13 <u>C700—2018</u>	Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated	IPC® IRC®	IPSDC®
C1053—00 <u>C1053—2000(2010 2015)</u>	Specification for Borosilicate Glass Pipe and Fittings for Drain, Waste, and Vent (DWV) Applications	IPC®	
C1173—10(2014) <u>C1173—2018</u>	Specification for Flexible Transition Couplings for Underground Piping System	IPC® IRC®	IPSDC®
C1277—15 <u>C1277—2018</u>	Specification for Shielded Coupling Joining Hubless Cast-iron Soil Pipe and Fittings	IPC® IRC®	IPSDC®
C1440—08(2013) <u>C1440—2017</u>	Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain, Waste, and Vent (DWV), Sewer, Sanitary and Storm Plumbing Systems	IPC® IRC®	IPSDC®
C1460—2012 <u>C1460—2017</u>	Specification for Shielded Transition Couplings for Use with Dissimilar DWV Pipe and Fittings Above Ground	IPC® IRC®	IPSDC®
C1461—08 <u>C1461—208(2013 2017)</u>	Specification for Mechanical Couplings Using Thermoplastic Elastomeric (TPE) Gaskets for Joining Drain, Waste and Vent (DWV) Sewer, Sanitary and Storm Plumbing Systems for Above and Below Ground Use	IPC® IRC®	IPSDC®

C1540—15 <u>C1540—2018</u>	Specification for Heavy Duty Shielded Couplings Joining Hubless Cast-iron Soil Pipe and Fittings	IPC®	IRC®
C1563—08 <u>C1563—2008(2013, 2017)</u>	Standard Test Method for Gaskets for Use in Connection with Hub and Spigot Cast Iron Soil Pipe and Fittings for Sanitary Drain, Waste, Vent and Storm Piping Applications	IPC®	
D1785—15 <u>D1785—2015E1</u>	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120	IMC® IRC®	IPC® ISPSC®
D2235—04 <u>D2235—2004(2011, 2016)</u>	Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings	IMC® IPSDC®	IPC® IRC®
D2466—15 <u>D2466—2017</u>	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40	IMC® IRC®	IPC® ISPSC®
D2564—12 <u>D2564—2012 (2018)</u>	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems	IMC® IPSDC®	IPC® IRC®
D2657—07 <u>D2657—2007 (2015)</u>	Practice for Heat Fusion-joining of Polyolefin Pipe and Fitting Waste, and Vent Pipe and Fittings	IMC® IPSDC®	IPC® IRC®
D2661—14 <u>D2661—14E1</u>	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings	IPC® IRC®	IPSDC®
D2665—14 <u>D2665—2014</u>	Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	IPC® IRC®	IPSDC®
D2729—11 <u>D2729—17</u>	Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	IPC® IRC®	IPSDC®
D2846/D2846M—14 <u>D2846M—2017BE1</u>	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems	IMC® IRC®	IPC® ISPSC®
D2855—96(2010) <u>D2855—2015</u>	Standard Practice for Making Solvent-cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings	IPC® IRC®	IPSDC®
D3034—14a <u>D3034—2016</u>	Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	IPC® IRC®	IPSDC®
D3138—04 <u>D3138—2004(2011, 2016)</u>	Standard Specification for Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly (Vinyl Chloride) (PVC) Non-pressure Piping Components	IPC®	IRC®
D3261—12e1 <u>D3261—2016</u>	Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing	IMC® IRC®	IPC®
D3311—11 <u>D3311—2017</u>	Specification for Drain, Waste and Vent (DWV) Plastic Fittings Patterns	IPC®	IRC®
D4068—15 <u>D4068—2017</u>	Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-containment Membrane	IPC®	IRC®
D4551—12 <u>D4551—2017</u>	Specification for Poly (Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-containment Membrane	IPC®	IRC®
E2727—10e1 <u>E2727—2018</u>	Standard Practice for the Assessment of Rainwater Quality	IPC®	
F409—12 <u>F409—2017</u>	Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings	IPC®	IRC®
F438—15 <u>F438—2017</u>	Specification for Socket-type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40	IMC® IRC®	IPC® ISPSC®
F628—12e1 <u>F628—2012E2</u>	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe with a Cellular Core	IPC® IRC®	IPSDC®
F656—15 <u>F656—2015</u>	Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings	IPC® IRC®	IPSDC®
F667—12 <u>F667/F667M—2016</u>	Standard Specification for 3 through 24 in. Corrugated Polyethylene Pipe and Fittings	IPC®	
F876—15a <u>F876—2017</u>	Specification for Cross-linked Polyethylene (PEX) Tubing	IMC® IRC®	IPC®
F877—11a <u>F877—2018A</u>	Specification for Cross-linked Polyethylene (PEX) Hot- and Cold-water Distribution Systems	IMC®	IPC®
F891—10 <u>F891—2016</u>	Specification for Coextruded Poly (Vinyl Chloride) (PVC) Plastic Pipe with a Cellular	IPC®	IPSDC®

F1055—19 <u>F1055—2016A</u>	Core Standard Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Cross-linked Polyethylene Pipe and Tubing	IRC® IMC® IRC®	IPC®
F1281—11 <u>F1281—2017</u>	Specification for Cross-linked Polyethylene/Aluminum/ Cross-linked Polyethylene (PEX- AL-PEX) Pressure Pipe	IMC® IRC®	IPC®
F1282—10 <u>F1282—2017</u>	Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe	IMC® IRC®	IPC®
F1412—09 <u>F1412—2016</u>	Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage	IPC®	IRC®
F1488—14 <u>F1488—2014E1</u>	Specification for Coextruded Composite Pipe	IPC® IRC®	IPSDC®
F1548—01 <u>F1548— 2001(2012 2018)</u>	Standard Specification for the Performance of Fittings for Use with Gasketed Mechanical Couplings Used in Piping Applications	IMC®	IPC®
F1673—10 <u>F1673—2010 (2016)</u>	Standard Specification for Polyvinylidene Fluoride (PVDF) Corrosive Waste Drainage Systems	IPC®	
F1807—15 <u>F1807—2018</u>	Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross- linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE- RT) Tubing	IMC® IRC®	IPC®
F1866—13 <u>F1866—2018</u>	Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings	IPC®	IRC®
F1960—15 <u>F1960—2018</u>	Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing	IMC® IRC®	IPC®
F1986—01 <u>F1986— 2001(2011)</u>	Specification for Multilayer Pipe, Type 2, Compression Fittings and Compression Joints for Hot and Cold Drinking Water Systems	IPC®	IRC®
F2080—15 <u>F2080—16</u>	Specifications for Cold-expansion Fittings with Metal Compression-sleeves for Cross- linked Polyethylene (PEX) Pipe	IMC® IRC®	IPC®
F2098—08 <u>F2098—2015</u>	Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Fittings	IMC® IRC®	IPC®
F2159—14 <u>F2159—2018</u>	Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross- linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE- RT) Tubing	IMC® IRC®	IPC®
F2306/F2306M—14e1 <u>F2306M—2018</u>	12" to 60" Annular Corrugated Profile-wall Polyethylene (PE) Pipe and Fittings for Gravity Flow Storm Sewer and Subsurface Drainage Applications	IPC®	
F2389—15 <u>F2389—2017A</u>	Specification for Pressure-rated Polypropylene (PP) Piping Systems	IMC® IRC®	IPC®
F2648/F2648M—13 <u>F2648M—2017</u>	Standard Specification for 2 to 60 inch [50 to 1500 mm] Annular Corrugated Profile Wall Polyethylene (PE) Pipe and Fittings for Land Drainage Applications	IPC®	
F2735—09 <u>F2735— 2009(2016)</u>	Standard Specification for Plastic Insert Fittings for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing	IMC® IRC®	IPC®
F2764/F2764M—11ae2 <u>F2764M—2018</u>	Standard Specification for 30 to 60 in. [750 to 1500 mm] Polypropylene (PP) Triple Wall Pipe and Fittings for Non-pressure Sanitary Sewer Applications	IPC®	
F2769—14 <u>F2769—2018</u>	Polyethylene or Raised Temperature (PE-RT) Plastic Hot- and Cold-water Tubing and Distribution Systems	IMC® IRC®	IPC®
F2831—12 <u>F2831—2012 (2017)</u>	Standard Practice for Internal Non Structural Epoxy Barrier Coating Material Used in Rehabilitation of Metallic Pressurized Piping Systems	IPC®	
F2881—11 <u>F2881/F2881M —2018</u>	Standard Specification for 12 to 60 in. [300 to 1500 mm] Polypropylene (PP) Dual Wall Pipe and Fittings for Non-pressure Storm Sewer Applications	IPC®	

AWS

American Welding Society

Standard Reference Number	Title	Referenced in Code(s):	
A5.8M A5.8/A5.8—2011 <u>A5.8: 2011-AMD1</u>	Specifications for Filler Metals for Brazing and Braze Welding	IMC® IRC®	IPC®

AWWA	American Water Works Association		
Standard Reference Number	Title	Referenced in Code(s):	
C104/A21.4—13 <u>A21.4—16</u>	Cement-mortar Lining for Ductile-iron Pipe and Fittings	IPC®	IRC®
C111/A21.11—12 <u>A21.11—17</u>	Rubber-gasket Joints for Ductile-iron Pressure Pipe and Fittings	IPC®	
C151/A21.51—09 <u>A21.51—17</u>	Ductile-iron Pipe, Centrifugally Cast for Water	IMC® IRC®	IPC®
C504—10 <u>C504—15</u>	Standard for Rubber-Seated Butterfly Valves	IPC®	IRC®
C510—07 <u>C510—17</u>	Double Check Valve Backflow Prevention Assembly	IPC®	IRC®
C511—07 <u>C511—17</u>	Reduced-pressure Principle Backflow Prevention Assembly	IPC®	IRC®
CISPI	Cast Iron Soil Pipe Institute		
Standard Reference Number	Title	Referenced in Code(s):	
301—12 <u>301—18</u>	Specification for Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications	IPC® IRC®	IPSDC®
310—12 <u>310—18</u>	Specification for Coupling for Use in Connection with Hubless Cast-iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications	IPC® IRC®	IPSDC®
CSA	CSA Group		
Standard Reference Number	Title	Referenced in Code(s):	
A257.1M—14 <u>A257.1—14</u>	Non-reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings	IPC®	
A257.2M—14 <u>A257.2—14</u>	Reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings	IPC®	
A257.3M—14 <u>A257.3—14</u>	Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections and Fittings Using Rubber Gaskets	IPC®	
ASME A112.18.1—2017 A112.18.1—2018/CSA B125.1—17 <u>B125.1—18</u>	Plumbing Supply Fittings	IPC®	
ASME A112.19.1—2013 A112.19.1—2018/CSA B45.2—2013 <u>B45.2—2018</u>	Enameled Cast-iron and Enameled Steel Plumbing Fixtures	IPC®	
ASME A112.19.2—2013 A112.19.2—2018/B45.1—2013 <u>B45.1—2018</u>	Ceramic Plumbing Fixtures	IPC®	
ASME A112.19.3—2008 A112.19.3—2017/CSA B45.4—08(R2013) <u>B45.4—17</u>	Stainless-steel Plumbing Fixtures	IPC®	
ASME A112.19.7—2017 A112.19.7—2012/CSA B45.10—17 <u>B45.10—12 (R2017)</u>	Hydromassage Bathtub Systems	IPC®	
ASME A112.3.4—2013 A112.3.4—2018/CSA B45.9—13 <u>B45.9—18</u>	Macerating Toilet Systems and Related Components <u>Waste Pumping Systems for Plumbing Fixtures</u>	IPC®	IRC®
B64.1.1—16 <u>B64.1.1—11(R2016)</u>	Vacuum Breakers, Atmospheric Type (AVB)	IPC®	IRC®
B64.1.2—16 <u>B64.1.2—11(R2016)</u>	Pressure Vacuum Breakers, (PVB)	IPC®	IRC®

B64.1.3 16 B64.1.3 11(R2016)	Spill Resistant Pressure Vacuum Breakers (SRPVB)	IPC®	IRC®
B64.2 16 B64.2 11(R2016)	Vacuum Breakers, Hose Connection Type (HCVB)	IPC®	IRC®
B64.2.1 16 B64.2.1 11(R2016)	Vacuum Breakers, Hose Connection (HCVB) with Manual Draining Feature	IPC®	IRC®
B64.2.1.1 16 B64.2.1.1 11(R2016)	Hose Connection Dual Check Vacuum Breakers (HCDVB)	IPC®	IRC®
B64.2.2 16 B64.2.2 11(R2016)	Vacuum Breakers, Hose Connection Type (HCVB) with Automatic Draining Feature	IPC®	IRC®
B64.3 16 B64.3 11(R2016)	Backflow Preventers, Dual Check Valve Type with Atmospheric Port (DCAP)	IPC®	IRC®
B64.4 16 B64.4 11(R2016)	Backflow Preventers, Reduced Pressure Principle Type (RP)	IPC®	IRC®
B64.4.1 16 B64.4.1 11(R2016)	Reduced Pressure Principle for Fire Sprinklers (RPF)	IPC®	IRC®
B64.5 16 B64.5 11(R2016)	Double Check Backflow Preventers (DCVA)	IPC®	IRC®
B64.5.1 16 B64.5.1 11(R2016)	Double Check Valve Backflow Preventer for Fire Systems (DCVAF)	IPC®	IRC®
B64.6 16 B64.6 11(R2016)	Dual Check Valve (DuC) Backflow Preventers	IPC®	IRC®
B64.7 16 B64.7 11 (R2016)	Laboratory Faucet Vacuum Breakers (LFVB)	IPC®	IRC®
B64.10 16 B64.10 17	Manual for the Selection and Installation of Backflow Prevention Devices	IPC®	
B64.10.1 11 B64.10.1 17	Maintenance and Field Testing of Backflow Preventers	IPC®	
B79 08(R2013 R2018)	Commercial and Residential Drains and Cleanouts	IPC®	
B125.3 2012 B125.3 2018	Plumbing Fittings	IPC®	
B137.1 16 B137.1 17	Polyethylene (PE) Pipe, Tubing and Fittings for Cold-water Pressure Services	IPC®	IRC®
B137.2 16 B137.2 17	Polyvinylchloride, PVC, Injection-moulded Gasketed Fittings for Pressure Applications	IMC® IRC®	IPC® ISPSC®
B137.3 16 B137.3 17	Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications	IMC® IPSDC® ISPSC®	IPC® IRC®
B137.5 16 B137.5 17	Cross-linked Polyethylene (PEX) Tubing Systems for Pressure Applications	IPC®	IRC®
B137.6 16 B137.6 17	CPVC Pipe, Tubing and Fittings for Hot- and Cold-water Distribution Systems	IMC® IRC®	IPC® ISPSC®
B137.9 16 B137.9 17	Polyethylene Aluminum/Polyethylene (PE-AL-PE) Composite Pressure-pipe Systems	IMC® IRC®	IPC®
B137.10 16 B137.10 17	Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Composite Pressure-pipe Systems	IMC®	IPC®
B137.11 16 B137.11 17	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications	IPC®	IRC®
B137.18 13 B137.18 17	Polyethylene of Raised Temperature Resistance (PE-RT) Tubing Systems for Pressure Applications	IPC®	IRC®
B181.1 15 B181.1 18	Acrylonitrile-Butadiene-Styrene ABS Drain, Waste and Vent Pipe and Pipe Fittings	IPC® IRC®	IPSDC®
B181.2 15 B181.2 18	Polyvinylchloride PVC and Chlorinated Polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings	IPC® IRC®	IPSDC®
B181.3 15 B181.3 18	Polyolefin and Polyvinylidene Fluoride (PVDF) Laboratory Drainage Systems	IPC®	IRC®
B182.1 11 B182.1 18	Plastic Drain and Sewer Pipe and Pipe Fittings	IPC® IPC®	IPSDC® IPSDC®

B182.2—14 <u>B182.2—18</u>	PSM Type Polyvinylchloride PVC Sewer Pipe and Fittings	IRC®	
B182.4—15 <u>B182.4—18</u>	Profile Polyvinylchloride PVC Sewer Pipe and Fittings	IPC® IRC®	IPSDC®
B182.6—15 <u>B182.6—18</u>	Profile Polyethylene (PE) Sewer Pipe and Fittings for Leak-proof Sewer Applications	IPC®	IRC®
B182.8—15 <u>B182.8—18</u>	Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings	IPC®	IRC®
B182.13—14 <u>B182.13—18</u>	Profile Polypropylene (PP) Sewer Pipe and Fittings for Leak-proof Sewer Applications	IPC®	
B356—10 (<u>R2015</u>)	Water Pressure Reducing Valves for Domestic Water Systems	IPC®	IRC®
B481.1—12 (<u>R2017</u>)	Testing and Rating of Grease Interceptors Using Lard	IPC®	
B481.3—12 (<u>R2017</u>)	Sizing, Selection, Location and Installation of Grease Interceptors	IPC®	
<u>CAN/CSA B483.1—07</u> (R2012 <u>R2017</u>)	Drinking Water Treatment Units <u>Systems</u>	IPC®	IRC®
B602—15 <u>B602—16</u>	Mechanical Couplings for Drain, Waste and Vent Pipe and Sewer Pipe	IPC® IRC®	IPSDC®

IAPMO	IAPMO Group
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Standard Reference Number	Title	Referenced in Code(s):	
Z1001—2014 <u>Z1001—2016</u>	Prefabricated Gravity Grease Interceptors	IPC®	
CSA B45.5—17/IAPMO <u>Z124—2017 with errata dated August 2017</u>	Plastic Plumbing Fixtures	IPC® IRC®	IPC®
IAPMO/ANSI Z1157—2014 <u>Z1157—2014e1</u>	Ball Valves	IPC®	

MSS	Manufacturers Standardization Society of the Valve and Fittings Industry, Inc.
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Standard Reference Number	Title	Referenced in Code(s):	
SP-71—2013 <u>SP-71—2018</u>	Gray Iron Swing Check Valves, Flanged and Threaded Ends	IPC®	IRC®
SP-78—2013 <u>SP-78—2011</u>	Cast Iron Plug Valves, Flanged and Threaded Ends	IPC®	
SP-110—2010a <u>SP-110—2010</u>	Ball Valves, Threaded, Socket Welding, Solder Joint, Grooved and Flared Ends (<u>incl. a 2010 Errata Sheet</u>)	IPC®	IRC®
SP-122—2012 <u>SP-122—2017</u>	Plastic Industrial Ball Valves	IPC®	IRC®

NFPA	National Fire Protection Association
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Standard Reference Number	Title	Referenced in Code(s):	
55—16 <u>55—19</u>	Compressed Gases and Cryogenic Fluids Code	IBC® IPC®	IFC®
99—18 <u>99—21</u>	Health Care Facilities Code	IBC® IPC®	IFC®

NSF	NSF International
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Standard Reference Number	Title	Referenced in Code(s):	
3—2012 <u>3—2017</u>	Commercial Warewashing Equipment	IPC®	
14—2015 <u>14—2017</u>	Plastic Piping System Components and Related Materials	IPC®	IRC®

18—2012 <u>18—2016</u>	Manual Food and Beverage Dispensing Equipment	IPC®	
42—2015 <u>42—2017</u>	Drinking Water Treatment Units-Aesthetic Effects	IPC®	IRC®
44—2015 <u>44—2017</u>	Residential Cation Exchange Water Softeners	IPC®	IRC®
50—2015 <u>50—2017</u>	Equipment for Swimming Pools, Spas, Hot Tubs and Other Recreational Facilities	IPC®	IRC®
53—2015 <u>53—2017</u>	Drinking Water Treatment Units—Health Effects	IPC®	IRC®
58—2015 <u>58—2017</u>	Reverse Osmosis Drinking Water Treatment Systems	IPC®	IRC®
61—2015 <u>61—2017</u>	Drinking Water System Components—Health Effects	IPC®	IRC®
62—2015 <u>62—2017</u>	Drinking Water Distillation Systems	IPC®	
350—2014 <u>350—2017a</u>	Onsite Residential and Commercial Water Reuse Treatment Systems	IPC®	IRC®
359—2011 <u>(R2016)</u>	Valves for Cross-linked Polyethylene (PEX) Water Distribution Tubing Systems	IPC®	
372—2011 <u>372—2016</u>	Drinking Water Systems Components—Lead Content	IPC®	IRC®

TCNA	Tile Council of North America		
Standard Reference Number	Title	Referenced in Code(s):	
TCNA/ANSI A118.10—99 <u>A118.10—14</u>	Specifications for Load Bearing, Bonded, Waterproof Membranes for Thin Set Ceramic Tile and Dimension Stone Installation	IPC®	

UL	UL LLC		
Standard Reference Number	Title	Referenced in Code(s):	
399—2008 <u>399—2017</u>	Drinking-Water Coolers—with revisions through October 2013 <u>August 2018</u>	IPC®	
430—2009 <u>430—2015</u>	Waste Disposers—with revisions through September 2015 <u>February 2018</u>	IPC®	
508—99 <u>508—2018</u>	Industrial Control Equipment—with revisions through October 2013 <u>Equipment</u>	IMC®	IPC®
		IRC®	
1795—2009 <u>1795—2016</u>	Hydromassage Bathtubs—with revisions through January 2015 <u>December 2017</u>	IPC®	

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE FOR THE IPC.

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standards developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5809

ADM47-IPC-19

ADM47-IRC-19

Chapter 44

AAMA		American Architectural Manufacturers Association	
Standard Reference Number	Title	Referenced in Code(s):	
450—10 <u>450—20</u>	Voluntary Performance Rating Method for Muller Fenestration Assemblies	IRC®	
711—16 <u>711—20</u>	Voluntary Specification for Self-adhering Flashing Used for Installation of Exterior Wall Fenestration Products	IBC®	IRC®
714—15 <u>714—20</u>	Voluntary Specification for Liquid Applied Flashing Used to Create a Water-resistive Seal around Exterior Wall Openings in Buildings	IBC®	IRC®
AAMA/NPE/NSA 2100—12 <u>2100—20</u>	Specifications for Sunrooms	IRC®	
ACCA		Air Conditioning Contractors of America	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/ACCA 1 Manual D—2016	Residential Duct Systems	IMC®	IRC®
ANSI/ACCA Manual J—2016	Residential Load Calculation— Eighth Edition <u>Calculation</u>	IRC®	
ANSI/ACCA 3 Manual S—2014	Residential Equipment Selection	IRC®	
ACI		American Concrete Institute	
Standard Reference Number	Title	Referenced in Code(s):	
318—14 <u>318—19</u>	Building Code Requirements for Structural Concrete	IBC®	IRC®
332—14 <u>332—20</u>	Residential Code Requirements for Structural Concrete	IRC®	
AIS		American Iron and Steel Institute	
Standard Reference Number	Title	Referenced in Code(s):	
AISI S100—16 <u>S1-18</u>	North American Specification for the Design of Cold-formed Steel Structural Members, 2016, <u>with Supplement 1, dated 2018</u>	IBC®	IRC®
AISI S220—15 <u>S220—20</u>	North American Standard for Cold-formed Steel Framing—Nonstructural Members, 2015 <u>2020</u>	IBC®	IRC®
AISI S230—15 <u>S230—18</u>	Standard for Cold-formed Steel Framing—Prescriptive Method for One- and Two-family Dwellings, 2015 <u>2018</u>	IBC®	IRC®
AISI S240—15 <u>S240—20</u>	North American Standard for Cold-Formed Steel Structural Framing, <u>2020</u>	IBC®	IRC®
AMCA		Air Movement and Control Association International	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/AMCA 210-ANSI/ASHRAE 51—07 <u>51—16</u>	Laboratory Methods of Testing Fans for Aerodynamic Performance Rating	IRC®	

ANCE

Association of the Electric Sector

Standard Reference Number	Title	Referenced in Code(s):
NMX-J-521/2-40-ANCE— 2014 2-40-ANCE— 2019/CAN/CSA-22.2 No. 60335-2-40—12 60335-2-40—19/UL 60335-2-40 60335-2-40-2019	Safety of Household and Similar Electric Appliances, Part 2-40 2-40-Safety: Particular Requirements for <u>Electric Heat Pumps, Air-Conditioners and Dehumidifiers</u>	IRC®

ANSI

American National Standards Institute

Standard Reference Number	Title	Referenced in Code(s):
A108.1A—16 A108.1A—17	Installation of Ceramic Tile in the Wet-set Method, with Portland Cement Mortar	IBC® IRC®
A108.1B—99 A108.1B—2017	Installation of Ceramic Tile, Quarry Tile on a Cured Portland Cement Mortar Setting Bed with Dry-set or Latex Portland Mortar	IBC® IRC®
A108.4—99 A108.4—09	Installation of Ceramic Tile with Organic Adhesives or Water-Cleanable Tile-setting Epoxy Adhesive	IBC® IRC®
A108.5—99 A108.5—19	Installation of Ceramic Tile with Dry-set Portland Cement Mortar or Latex Portland Cement Mortar	IBC® IRC®
A108.6—99 A108.6—19	Installation of Ceramic Tile with Chemical-resistant, Water-cleanable Tile-setting and -grouting Epoxy	IBC® IRC®
A108.11—99 A108.11—10	Interior Installation of Cementitious Backer Units	IRC®
ANSI 417—2015 117—2020	Standard Specifications for Structural Glued Laminated Timber of Softwood Species	IRC®
A118.1—16 A118.1—18	American National Standard Specifications for Dry-set Portland Cement Mortar	IBC® IRC®
A118.3—13 A118.3—20	American National Standard Specifications for Chemical-resistant, Water-cleanable Tile-setting and -grouting Epoxy, and Water-cleanable Tile-setting Epoxy Adhesive	IBC® IRC®
A118.4—16 A118.4—18	American National Standard Specifications for Modified Dry-Set Cement Mortar	IBC® IRC®
A118.10—99 A118.10—14	Specification for Load-bearing, Bonded, Waterproof Membranes for Thin-set Ceramic Tile and Dimension Stone Installation	IRC®
A136.1—08 A136.1—19	American National Standard Specifications for Organic Adhesives for Installation of Ceramic Tile	IBC® IRC®
A137.1—17 A137.1—19	American National Standard Specifications for Ceramic Tile	IBC® IRC®
LC1/CSA 6.26—13 6.26—2016	Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)	IRC®
Z21.1—2010 Z21.1/CSA 1.1—2016	Household Cooking Gas Appliances	IFGC® IMC® IRC®
Z21.5.1/CSA 7.1—14 7.1—2017	Gas Clothes Dryers—Volume I—Type I Clothes Dryers	IRC®
Z21.8—94 (R2002 R2012)	Installation of Domestic Gas Conversion Burners	IFGC® IRC®
Z21.10.1/CSA 4.1—12 4.1—2012	Gas Water Heaters—Volume I—Storage Water Heaters with Input Ratings of 75,000 Btu per hour or Less	IRC®
Z21.10.3/CSA 4.3—11 4.3—2017	Gas Water Heaters—Volume III—Storage Water Heaters with Input Ratings above 75,000 Btu per hour, Circulating and Instantaneous	IECC IRC®
Z21.11.2—11 Z21.11.2—2016	Gas-fired Room Heaters—Volume II—Unvented Room Heaters	IRC®
Z21.13/CSA 4.9—11 4.9—2017	Gas-fired Low-pressure Steam and Hot Water Boilers	IRC®
Z21.15/CSA 9.1—09(R2014)	Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves	IRC®
Z21.24/CSA 6.10—06 6.10	Connectors for Gas Appliances	IRC®

Z21.40.1/CSA 2.91—96 (R2011, R2017)	Gas-fired, Heat-activated Air-conditioning and Heat Pump Appliances	IRC®	
Z21.40.2/CSA 2.92—96 (R2011, R2017)	<u>Gas-fired, Work Activated</u> Air-conditioning and Heat Pump Appliances (Thermal-Internal Combustion)	IRC®	
Z21.42—2014 Z21.42—2013	Gas-fired Illuminating Appliances	IFGC®	IRC®
Z21.47/CSA 2.3—12 2.3—2016	Gas-fired Central Furnaces	IECC	IRC®
Z21.50/CSA 2.22—16 2.22—2016	Vented <u>Decorative</u> Gas Fireplaces	IRC®	
Z21.54—2009 Z21.54—2014	Gas Hose Connectors for Portable Outdoor Gas-fired Appliances	IFGC®	IRC®
Z21.58—95/CSA 1.6—13 1.6—2015	Outdoor Cooking Gas Appliances	IRC®	
Z21.60/CSA 2.26—12 2.26—2017	Decorative Gas Appliances for Installation in Solid Fuel-burning Fireplaces	IRC®	
Z21.69/CSA 6.16—09 6.16—2015	Connectors for Movable Gas Appliances	IRC®	
Z21.75/CSA 6.27—07 6.27—2016	Connectors for Outdoor Gas Appliances and Manufactured Homes	IRC®	
Z21.80/CSA 6.22—11 6.22—2011(R2016)	Line Pressure Regulators	IRC®	
ANSI/CSA FC 1—12 1—2014	Stationary Fuel Cell Power Systems <u>Fuel cell technologies - Part 3-100: Stationary fuel cell power systems - Safety</u>	IRC®	
Z21.84—12 Z21.84—2017	Manually Listed <u>Lighted</u> , Natural Gas Decorative Gas Appliances for Installation in Solid Fuel-burning Fireplaces <u>Solid-Fuel Burning Appliances</u>	IRC®	
Z21.86/CSA 2.32—08 2.32—2016	<u>Vented</u> Gas-fired Vented Space Heating Appliances	IRC®	
Z21.91—07 Z21.91—2017	Ventless Firebox Enclosures for Gas-fired Unvented Decorative Room Heaters	IRC®	
Z21.93/CSA 6.30—13 6.30—2017	Excess Flow Valves for Natural <u>Gas</u> and LP-Propane Gas with Pressures up to 5 psig	IRC®	
Z21.97—12 Z21.97—2014	Outdoor Decorative <u>Gas</u> Appliances	IRC®	
Z83.8/CSA 2.6—09 2.6—2016	Gas-fired Gas Unit Heaters, Gas Packaged Heaters, Gas Utility Heaters, and Gas-fired Duct Furnaces	IECC	IRC®
Z83.19—01 Z83.19—2009 (R2009, R2014)	Gas fuel <u>Gas-fired</u> High-intensity Infrared Heaters	IRC®	
Z83.20—08 Z83.20—2016	Gas-fired <u>Tubular and</u> Low-intensity Infrared Heaters Outdoor Decorative Appliances	IRC®	

APA		APA—The Engineered Wood Association	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/APA PRP 210—2014 210—2019	Standard for Performance-rated Engineered Wood Siding	IRC®	
ANSI/APA PRG 320—2017 320—2019	Standard for Performance-rated Cross Laminated Timber	IRC®	
ANSI/APA PRS 610.1—2013 610.1—2018	Standard for Performance-Rated Structural Insulated Panels in Wall Applications	IRC®	
APA E30—15 E30—19	Engineered Wood Construction Guide	IRC®	
APSP		The Association of Pool & Spa Professionals	

Standard Reference Number	Title	Referenced in Code(s):	
ANSI/APSP/ICC 14—2014 <u>14—2019</u>	American National Standard for Portable Electric Spa Energy Efficiency	IECC IRC®	IECC ISPSC®
ANSI/APSP/ICC 15a—2011 <u>15—2020</u>	American National Standard for Residential Swimming Pool and Spa Energy Efficiency —includes Appendix A Approved January 9, 2013 Efficiency	IECC IRC®	IECC ISPSC®

ASCE/SEI		American Society of Civil Engineers	
Standard Reference Number	Title	Referenced in Code(s):	
7—16 <u>with Supplement 1</u>	Minimum Design Loads and Associated Criteria for Buildings and Other Structures	IBC® IRC®	IEBC®
24—14 <u>24—20</u>	Flood-resistant Design and Construction	IBC®	IRC®

ASHRAE		ASHRE	
Standard Reference Number	Title	Referenced in Code(s):	
ASHRAE—2017 <u>ASHRAE—2021</u>	ASHRAE Handbook of Fundamentals	IECC IRC®	IMC®
34—2016 <u>34—2019</u>	Designation and Safety Classification of Refrigerants	IMC®	IRC®

ASME		American Society of Mechanical Engineers	
Standard Reference Number	Title	Referenced in Code(s):	
ASME A17.1—2016 <u>A17.1—2019/CSA B44—16</u> <u>B44—2019</u>	Safety Code for Elevators and Escalators	IEBC® IFC® IRC®	IECC IPMC®
A18.1—2014 <u>A18.1—2020</u>	Safety Standard for Platforms and Stairway Chair Lifts	IBC® IRC®	IEBC®
A112.1.2—2012 (<u>R2022</u>)	Air Gaps in Plumbing Systems (For Plumbing Fixtures and Water Connected Receptors)	IPC® ISPSC®	IRC®
A112.1.3—2000 (Reaffirmed <u>2015</u> <u>2020</u>)	Air Gap Fittings for Use with Plumbing Fixtures, Appliances and Appurtenances	IRC®	
A112.3.1—2007(<u>R2012</u> <u>R2022</u>)	Stainless Steel Drainage Systems for Sanitary, DWV, Storm and Vacuum Applications Above and Below Ground	IRC®	
A112.3.4—2013 <u>A112.3.4—2020/CSA B45.9—13</u> <u>B45.9—20</u>	Macerating Toilet Systems and Related Components	IRC®	
A112.4.1—2009 (<u>R2019</u>)	Water Heater Relief Valve Drain Tubes	IMC® IRC®	IPC®
ASME A112.4.2—2015 <u>A112.4.2—2020/CSA</u> <u>B45.16—15</u> <u>B45.16—20</u>	Water-closet Personal Hygiene Devices	IRC®	IRC®
A112.4.3—1999 (<u>R2010</u> <u>R2020</u>)	Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System	IPC®	IRC®
A112.4.14—2004 (<u>R2016</u>) <u>A112.4.14/CSA B125.14—2019</u>	Manually Operated, Quarter-turn Shutoff Valves for Use in Plumbing Systems	IPC®	IRC®
A112.6.2—2000 (<u>R2016</u>) <u>A112.6.2—2022</u>	Framing-affixed Supports for Off-the-floor Water Closets with Concealed Tanks	IPC®	IRC®
A112.6.3—2001 (<u>R2016</u>)			

A112.6.3—2019	Floor and Trench Drains	IPC®	IRC®
A112.14.1—03 A112.14.1— 2003(2012 2022)	Backwater Valves	IRC®	
A112.18.1—2017 A112.18.1 —2020/CSA B125.1—2017 B125.1—2020	Plumbing Supply Fittings	IPC®	IRC®
A112.18.2—2015 A112.18.2 —2019/CSA B125.2—2015 B125.2—2019	Plumbing Waste Fittings	IRC®	
A112.18.3—2002 A112.18.3M—2002(R2012 R2020)	Performance Requirements for Backflow Protection Devices and Systems in Plumbing Fixture Fittings	IRC®	
A112.18.6—2017 A112.18.6 —2021/CSA B125.6—17 B125.6—21	Flexible Water Connectors	IPC®	IRC®
A112.19.1—2013 A112.19.1 —2020/CSA B45.2—2013 B45.2—2020	Enameled Cast-iron and Enameled Steel Plumbing Fixtures	IPC®	IRC®
A112.19.2—2013 A112.19.2 —2020/CSA B45.1—2013 B45.1—2020	Ceramic Plumbing Fixtures	IRC®	
A112.19.3—2008 A112.19.3 —2021/CSA B45.4—08 (R2013) B45.4—2021	Stainless Steel Plumbing Fixtures	IRC®	
A112.19.5—2017 A112.19.5 —2021/CSA B45.15—2017 B45.15—2021	Flush Valves and Spuds for Water-closets, Urinals and Tanks	IPC®	IRC®
A112.19.7—2017 A112.19.7 —2021/CSA B45.10—2017 B45.10—2021	Hydromassage Bathtub Systems	IRC®	IRC®
A112.19.12—2014 A112.19.12—2019	Wall-mounted and Pedestal-mounted, Adjustable, Elevating, Tilting, and Pivoting Lavatory and Sink, and Shampoo Bowl Carrier Systems and Drain Waste Systems	IPC®	IRC®
A112.19.14—2013 (R2018)	Six-Liter Water Closets Equipped with Dual Flushing Device	IPC®	IRC®
A112.19.15—2012 (R2017)	Bathtub/Whirlpool Bathtubs with Pressure-sealed Doors	IPC®	IRC®
A112.36.2m—1991 A112.36.2M—1991 (R2012 R2017)	Cleanouts	IRC®	
ASSE 1002—2015 1002— 2020/ASME A112.1002— 2015 A112.1002— 2020/CSA B125.12—15 B125.12—20	Anti-Siphon Fill Valves	IPC® IRC® IRC®	IPC® IRC®
B1.20.1—2013 B1.20.1— 2019	Pipe Threads, General-purpose (Inch)	IFGC® IPC®	IMC® IRC®
B16.3—2016 B16.3—2021	Malleable-iron-threaded Fittings, 150 and 300	IMC® IRC®	IPC®
B16.4—2016 B16.4—2021	Gray-iron-threaded Fittings	IPC®	IRC®
B16.9—2012 B16.9—2018	Factory-made, Wrought-steel Buttwelding Fittings	IMC® IRC®	IPC®
B16.11—2016 B16.11— 2021	Forged Fittings, Socket-welding and Threaded	IMC® IRC®	IPC®
B16.12—2009 (R2014 R2019)	Cast-iron-threaded Drainage Fittings	IPC®	IRC®
B16.15—2013 B16.15—		IMC®	IPC®

<u>2018</u>	Cast-Alloy-threaded Fittings: Classes 125 and 250	IRC®	ISPS®
B16.18—2012 <u>B16.18—2018</u>	Cast-copper-alloy Solder Joint Pressure Fittings	IBC® IMC® IRC®	IFC® IPC®
B16.22—2013 <u>B16.22—2018</u>	Wrought-copper and Copper-alloy Solder Joint Pressure Fittings	IBC® IMC® IRC®	IFC® IPC®
B16.23—2016 <u>B16.23—2021</u>	Cast-copper-alloy Solder Joint Drainage Fittings (DWV)	IPC®	IRC®
B16.26—2016 <u>B16.26—2018</u>	Cast-copper-alloy Fittings for Flared Copper Tubes	IMC® IRC®	IPC®
B16.29—2012 <u>B16.29—2017</u>	Wrought-copper and Wrought-copper-alloy Solder Joint Drainage Fittings (DWV)	IPC®	IRC®
B16.33—2012 <u>(R2017)</u>	Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 psig (Sizes 1/2 through 2)	IFGC®	IRC®
B16.34—2015 <u>B16.34—2020</u>	Valves—Flanged, Threaded and Welding End	IPC®	IRC®
B16.44—2012 <u>(R2017)</u>	Manually Operated Metallic Gas Valves for Use in Above-ground Piping Systems up to 5 psi	IFGC®	IRC®
B16.51—2013 <u>B16.51—2018</u>	Copper and Copper Alloy Press-Connect Pressure Fittings	IMC® IRC®	IPC®
B36.10M—2004(R2015) <u>B36.10M—2018</u>	Welded and Seamless Wrought-steel Pipe	IRC®	
BPVC—2015 <u>BPVC—2019</u>	ASME Boiler and Pressure Vessel Code (Sections I, II, IV, V, VI and VIII)	IFC® IMC®	IFGC® IRC®
CSD-1—2016 <u>CSD-1—2021</u>	Controls and Safety Devices for Automatically Fired Boilers	IFGC® IRC®	IMC®
ASSE 1016—2017 <u>1016—2020/ASME A112.1016—2017</u> <u>112.1016—2020/CSA B125.16—2017</u> <u>B125.16—2020</u>	Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations	IRC® IRC®	IRC®
ASSE 1070—2015 <u>1070—2020/ASME A112.1070—2015</u> <u>A112.1070—2020/CSA B125.70—15</u> <u>B125.70—20</u>	Performance Requirements for Water-temperature-limiting Devices	IPC® IRC®	IRC® IRC®

ASSE	ASSE International		
Standard Reference Number	Title	Referenced in Code(s):	
1001—2016 <u>1001—2017</u>	Performance Requirements for Atmospheric-type Vacuum Breakers	IPC®	IRC®
ASSE 1002—2015 <u>1002—2020/ASME A112.1002—2015</u> <u>A112.1002—2020/CSA B125.12—15</u> <u>B125.12—20</u>	Anti-Siphon Fill Valves	IPC® IRC® IRC®	IPC® IRC®
1013—2017 <u>1013—2011</u>	Performance Requirements for Reduced Pressure Principle Backflow Preventers and Reduced Pressure Principle Fire Protection Backflow Preventers	IPC®	IRC®
ASSE 1016—2017 <u>1016—2020/ASME A112.1016—2017</u> <u>112.1016—2020/CSA B125.16—2017</u> <u>B125.16—2020</u>	Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations	IRC® IRC®	IRC®

1017—2010 <u>1017—2009</u>	Performance Requirements for Temperature-actuated Mixing Valves for Hot Water Distribution Systems	IMC® IRC®	IPC®
1018—2017 <u>1018—2001</u>	Performance Requirements for Trap Seal Primer Valves; Potable Water Supplied	IPC®	IRC®
1019—2016 <u>1019—2011</u> (R2016)	Performance Requirements for Freeze-resistant, Wall Hydrants, Vacuum Breaker, Draining Types	IPC®	IRC®
1023—2016 <u>1023—1979</u>	Performance Requirements for Hot Water Dispensers, Household-storage-type—Electrical	IRC®	
1024—2016 <u>1024—2017</u>	Performance Requirements for Dual Check Backflow Preventers, Anti-siphon-type, Residential Applications	IPC®	IRC®
1044—2010 <u>1044—2015</u>	Performance Requirements for Trap Seal Primer Devices _Drainage Types and Electronic Design Types	IPC®	IRC®
1047—2017 <u>1047—2011</u>	Performance Requirements for Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies	IPC®	IRC®
1048—2017 <u>1048—2011</u>	Performance Requirements for Double Check Detector Fire Protection Backflow Prevention Assemblies	IPC®	IRC®
1062—2016 <u>1062—2017</u>	Performance Requirements for Temperature-actuated, Flow Reduction (TAFR) Valves for Individual Supply Fittings	IPC®	IRC®
1066—2016 <u>1066—1997</u>	Performance Requirements for Individual Pressure Balancing In-line Valves for Individual Fixture Fittings	IPC®	IRC®
ASSE 1070—2015 <u>1070—2020</u> /ASME A112. 1070—2015 <u>A112.1070—2020</u> /CSA B125.70—15 <u>B125.70—20</u>	Performance Requirements for Water-temperature-limiting Devices	IPC® IRC®	IRC® IRC®

ASTM	ASTM International		
Standard Reference Number	Title	Referenced in Code(s):	
A53/A53M—12 <u>A53M—2018</u>	Specification for Pipe, Steel, Black and Hot-dipped, Zinc-coated Welded and Seamless	IFGC® IPC®	IMC® IRC®
A74—15 <u>A74—2017</u>	Specification for Cast-iron Soil Pipe and Fittings	IPC® IRC®	IPSDC®
A106/A106M—14 <u>A106M—2018</u>	Specification for Seamless Carbon Steel Pipe for High-temperature Service	IFGC® IRC®	IMC®
A123/A123M—15 <u>A123M—2017</u>	Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products	IRC®	
A153/A153M—09 <u>A153M—2016A</u>	Specification for Zinc Coating (Hot Dip) on Iron and Steel Hardware	IBC®	IRC®
A240/A240M—15A <u>A240M—17</u>	Standard Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications	IBC® ISPSC®	IRC®
A254—12 <u>A254—2010(2018)</u>	Specification for Copper Brazed Steel Tubing	IFGC® IRC®	IMC®
A268—2010 <u>A268/A268M—2010(16)</u>	Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service	IRC®	
A269—2015 <u>A269/A269M—2015A</u>	Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service	IRC®	
A307—14 <u>A307—2014E1</u>	Specification for Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength	IRC®	
A312/A312M—15A <u>A312M—2018</u>	Specification for Seamless, Welded and Heavily Cold Worked Austenitic Stainless Steel Pipes	IPC® ISPSC®	IRC®
A653/A653M—15 <u>A653M—2017</u>	Specification for Steel Sheet, Zinc-coated (Galvanized) or Zinc-iron Alloy-coated (Galvannealed) by the Hot-dip Process	IBC®	IRC®
A706/A706M—15 <u>A706M—</u>			

2016	Specification for Low-alloy Steel Deformed and Plain Bars for Concrete Reinforcement	IBC®	IRC®
A755/A755M—2015 A755M—2016E1	Specification for Steel Sheet, Metallic Coated by the Hot-dip Process and Prepainted by the Coil-coating Process for Exterior Exposed Building Products	IRC®	
A778/A778M—15 A778M—2016	Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products	IPC®	IRC®
A888—15 A888—2018	Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Application	IPC® IRC®	IPSDC®
A924/A924M—14 A924M—2017A	Standard Specification for General Requirements for Steel Sheet, Metallic-coated by the Hot-dip Process	IBC®	IRC®
A996/A996M—15 A996M—2016	Specifications for Rail-steel and Axle-steel Deformed Bars for Concrete Reinforcement	IRC®	
B88—14 B88—2016	Specification for Seamless Copper Water Tube	IBC® IFGC® IPC® IRC®	IFC® IMC® IPSDC® ISPSC®
B135—10 B135/B135M—2017	Specification for Seamless Brass Tube	IMC®	IRC®
B251—10 B251/B251M—2017	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube	IBC® IMC® IPSDC®	IFC® IPC® IRC®
B302—12 B302—2017	Specification for Threadless Copper Pipe, Standard Sizes	IMC® IRC®	IPC®
B695—04 B695—2004(2009 2016)	Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel	IBC®	IRC®
B813—10 B813—2016	Specification for Liquid and Paste Fluxes for Soldering Applications of Copper and Copper Alloy Tube	IMC® IPSDC®	IPC® IRC®
B828—02(2010) B828—2016	Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings	IMC® IPSDC®	IPC® IRC®
C4—04 C4—2004(2014 2018)	Specification for Clay Drain Tile and Perforated Clay Drain Tile	IPC® IRC®	IPSDC®
C5—10 C5—2018	Specification for Quicklime for Structural Purposes	IBC®	IRC®
C27—98 C27—1998(2013 2018)	Specification for Standard Classification of Fireclay and High-alumina Refractory Brick	IBC®	IRC®
C33/C33M—13 C33M—2018	Specification for Concrete Aggregates	IBC®	IRC®
C34—13 C34—2017	Specification for Structural Clay Load-bearing Wall Tile	IRC®	
C55—2014A C55—2017	Specification for Concrete Building Brick	IBC®	IRC®
C56—13 C56—2013(2017)	Standard Specification for Structural Clay Nonloadbearing Tile	IRC®	
C62—13A C62—2017	Standard Specification for Building Brick (Solid Masonry Units Made from Clay or Shale)	IBC®	IRC®
C73—14 C73—2017	Specification for Calcium Silicate Face Brick (Sand Lime Brick)	IBC®	IRC®
C76—15A C76—2018A	Specification for Reinforced Concrete Culvert, Storm Drain and Sewer Pipe	IPC® IRC®	IPSDC®
C90—14 C90—2016A	Specification for Load-bearing Concrete Masonry Units	IBC® IRC®	IECC
C91/C91M—12 C91M—2018A	Specification for Masonry Cement	IBC®	IRC®
C94/C94M—15A C94M—2017A	Standard Specification for Ready-mixed Concrete	IBC® IRC®	IEBC®
C126—15 C126—2017	Standard Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units	IRC®	
C129—14A C129—2017	Specification for Nonload-bearing Concrete Masonry Units	IRC®	
C143/C143M—15 C143M—	Test Method for Slump of Hydraulic Cement Concrete	IRC®	

15A C150/C150M—15 C150M— 2018	Specification for Portland Cement	IBC®	IRC®
C199—84 C199— 1984(2011, 2016)	Test Method for Pier Test for Refractory Mortar	IBC®	IRC®
C203—05a C203— 2005A(2012, 2017)	Standard Test Methods for Breaking Load and Flexural Properties of Block-type Thermal Insulation	IRC®	
C207—06(2011) C207— 2018	Specification for Hydrated Lime for Masonry Purposes	IRC®	
C208—12 C208— 2012(2017)E1	Specification for Cellulosic Fiber Insulating Board	IBC®	IRC®
C212—14 C212—2017	Standard Specification for Structural Clay Facing Tile	IRC®	
C216—15 C216—2017A	Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale)	IBC®	IRC®
C315—07 C315— 2007(2011, 2016)	Specification for Clay Flue Liners and Chimney Pots	IBC® IMC®	IFGC® IRC®
C411—11 C411—2017	Test Method for Hot-surface Performance of High-temperature Thermal Insulation	IMC®	IRC®
C425—04 C425— 2004(2013, 2018)	Specification for Compression Joints for Vitrified Clay Pipe and Fittings	IPC® IRC®	IPSDC®
C443—12 C443— 2012(2017)	Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets	IPC® IRC®	IPSDC®
C475/C475M—15 C475M— 2017	Specification for Joint Compound and Joint Tape for Finishing Gypsum Wallboard	IBC®	IRC®
C476—10 C476—2018	Specification for Grout for Masonry	IRC®	
C503/C503M—2010 C503M— 2015	Standard Specification for Marble Dimension Stone	IRC®	
C552—15 C552—2017E1	Standard Specification for Cellular Glass Thermal Insulation	IBC®	IRC®
C557—03 C557— 2003(2009, 2017)e01	Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing	IBC®	IRC®
C568/C568M—2010 C568M— 2015	Standard Specification for Limestone Dimension Stone	IRC®	
C578—15 C578—2018	Specification for Rigid, Cellular Polystyrene Thermal Insulation	IBC®	IRC®
C587—04 C587— 2004(2014, 2018)	Specification for Gypsum Veneer Plaster	IBC®	IRC®
C595/C595M—14E1 C595M— 2018	Specification for Blended Hydraulic Cements	IBC®	IRC®
C615/C615M—11 C615M— 2018E1	Standard Specification for Granite Dimension Stone	IRC®	
C616/C616M—10 C616M— 2015	Standard Specification for Quartz-based Dimension Stone	IRC®	
C629/C629M—10 C629M— 2015	Standard Specification for Slate Dimension Stone	IRC®	
C645—14 C645—2018	Specification for Nonstructural Steel Framing Members	IRC®	
C652—15 C652—2017A	Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)	IBC®	IRC®
C685/C685M—14 C685M— 2017	Specification for Concrete Made by Volumetric Batching and Continuous Mixing	IRC®	
C700—13 C700—2018	Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength and Perforated	IPC® IRC®	IPSDC®
C726—12 C726—2017	Standard Specification for Mineral Wool Roof Insulation Board	IBC®	IRC®
C728—15 C728—2017A	Standard Specification for Perlite Thermal Insulation Board	IBC®	IRC®
C744—14 C744—2016	Standard Specification for Prefaced Concrete and Calcium Silicate Masonry Units	IBC®	IRC®
C836/C836M—15 C836M— 2018	Specification for High Solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course	IBC®	IRC®

C841—03 <u>C841—2003(2013)</u> 2018	Standard Specification for Installation of Interior Lathing and Furring	IBC®	IRC®
C843—99 <u>C843—2017</u>	Specification for Application of Gypsum Veneer Plaster	IBC®	IRC®
C847—14A <u>C847—2018</u>	Specification for Metal Lath	IBC®	IRC®
C920—14A <u>C920—2018</u>	Standard Specification for Elastomeric Joint Sealants	IBC®	IRC®
C926—15B <u>C926—2018B</u>	Specification for Application of Portland Cement-based Plaster	IBC®	IRC®
C933—14 <u>C933—2018</u>	Specification for Welded Wire Lath	IBC®	IRC®
C946—10 <u>C946—2018</u>	Standard Practice for Construction of Dry-Stacked, Surface-Bonded Walls	IBC®	IRC®
C954—15 <u>C954—2018</u>	Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) or to 0.112 in. (2.84 mm) in Thickness	IBC®	IRC®
C957/C957M—15 <u>C957M—2017</u>	Specification for High-solids Content, Cold Liquid-applied Elastomeric Waterproofing Membrane for Use with Integral Wearing Surface	IBC®	IRC®
C1002—14 <u>C1002—2018</u>	Specification for Steel Self-piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs	IBC®	IRC®
C1032—14 <u>C1032—2018</u>	Specification for Woven Wire Plaster Base	IBC®	IRC®
C1063—15A <u>C1063—2018B</u>	Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-based Plaster	IBC®	IRC®
C1088—14 <u>C1088—2018</u>	Standard Specification for Thin Veneer Brick Units Made from Clay or Shale	IBC®	IRC®
C1107/C1107M—14A <u>C1107M—2017</u>	Standard Specification for Packaged Dry, Hydraulic-cement Grout (Nonshrink)	IRC®	
C1157—11/C1157M—11 <u>C1157M—2017</u>	Standard Performance Specification for Hydraulic Cement	IRC®	
C1167—11 <u>C1167—2011(2017)</u>	Specification for Clay Roof Tiles	IBC®	IRC®
C1173—10(2014) <u>C1173—2018</u>	Specification for Flexible Transition Couplings for Underground Piping Systems	IPC® IRC®	IPSDC®
C1177/C1177M—13 <u>C1177M—2017</u>	Specification for Glass Mat Gypsum Substrate for Use as Sheathing	IBC®	IRC®
C1178/C1178M—13 <u>C1178M—2018</u>	Specification for Glass Mat Water-resistant Gypsum Backing Panel	IBC®	IRC®
C1186—08 <u>C1186—2008(2012)</u> 2016	Specification for Flat Fiber Cement Sheets	IBC®	IRC®
C1261—13 <u>C1261—2013(2017)</u> E1	Specification for Firebox Brick for Residential Fireplaces	IBC®	IRC®
C1277—15 <u>C1277—2018</u>	Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings	IPC® IRC®	IPSDC®
C1278/C1278M—07a(2011) <u>C1278M—2017</u>	Specification for Fiber-reinforced Gypsum Panels	IBC®	IRC®
C1283—11 <u>C1283—2015</u>	Practice for Installing Clay Flue Lining	IBC®	IRC®
C1288—14 <u>C1288—2017</u>	Standard Specification for Discrete Nonasbestos Fiber-cement Interior Substrate Sheets	IBC®	IRC®
C1289—15 <u>C1289—2018</u>	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board	IBC®	IRC®
C1325—14 <u>C1325—2018</u>	Standard Specification for Nonasbestos Fiber-mat Reinforced Cement Interior Substrate Sheets Backer Units	IBC®	IRC®
C1364—10B <u>C1364—2017</u>	Standard Specification for Architectural Cast Stone	IBC®	IRC®
C1396/C1396M—2014A <u>C1396M—2017</u>	Specification for Gypsum Board	IRC®	
C1405—15 <u>C1405—2016</u>	Standard Specification for Glazed Brick (Single Fired, Brick Units)	IRC®	

C1440—08(2013) <u>C1440—2017</u>	Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain, Waste and Vent (DWV), Sewer, Sanitary and Storm Plumbing Systems	IPC® IRC®	IPSDC®
C1460—2012 <u>C1460—2017</u>	Specification for Shielded Transition Couplings for Use with Dissimilar DWV Pipe and Fittings Above Ground	IPC® IRC®	IPSDC®
C1461—08 <u>C1461—2008(2013 2017)</u>	Specification for Mechanical Couplings Using Thermoplastic Elastomeric (TPE) Gaskets for Joining Drain, Waste and Vent (DWV) Sewer, Sanitary and Storm Plumbing Systems for Above and Below Ground Use	IPC® IRC®	IPSDC®
C1492—03 <u>C1492—2003(2009 2016)</u>	Specification for Concrete Roof Tile	IBC®	IRC®
C1513—2013 <u>C1513—2018</u>	Standard Specification for Steel Tapping Screws for Cold-formed Steel Framing Connections	IRC®	
C1540—15 <u>C1540—2018</u>	Specification for Heavy Duty Shielded Couplings Joining Hubless Cast-iron Soil Pipe and Fittings	IPC®	IRC®
C1634—15 <u>C1634—2017</u>	Standard Specification for Concrete Facing Brick	IRC®	
C1658/C1658M—13 <u>C1658M—2018</u>	Standard Specification for Glass Mat Gypsum Panels	IBC®	IRC®
C1670/1670M—16 <u>1670M—2018</u>	Standard Specification for Adhered Manufactured Stone Masonry Veneer Units	IRC®	
C1691—11 <u>C1691—2011(2017)</u>	Standard Specification for Unreinforced Autoclaved Aerated Concrete (AAC) Masonry Units	IRC®	
C1693—11 <u>C1693—2011(2017)</u>	Standard Specification for Autoclaved Aerated Concrete (AAC)	IRC®	
C1766—13 <u>C1766—2015</u>	Standard Specification for Factory-Laminated Gypsum Panel Products	IBC®	IRC®
D41/D41M—2011 <u>(2016)</u>	Specification for Asphalt Primer Used in Roofing, Dampproofing and Waterproofing	IRC®	
D43/D43M—2000 <u>(2012 2018) E+</u>	Specification for Coal Tar Primer Used in Roofing, Dampproofing and Waterproofing	IRC®	
D226/D226M—09 <u>D226M—2017</u>	Specification for Asphalt-saturated (Organic Felt) Used in Roofing and Waterproofing	IBC®	IRC®
D227/D227M—03 <u>D227M—2003(2011 2018) E+</u>	Specification for Coal Tar Saturated (Organic Felt) Used in Roofing and Waterproofing	IBC®	IRC®
D312/D321M—15 <u>D321M—2016M</u>	Specification for Asphalt Used in Roofing	IRC®	
D449/D449M—03 <u>D449M—2003(2014) E1</u>	Specification for Asphalt Used in Dampproofing and Waterproofing	IRC®	
D450/D450M—07 <u>D450M—2017(2013 2018) E+</u>	Specification for Coal-tar Pitch Used in Roofing, Dampproofing and Waterproofing	IBC®	IRC®
D1248—12 <u>D1248—2016</u>	Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable	IRC®	
D1785—15 <u>D1785—15E1</u>	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120	IMC® IRC®	IPC® ISPSC®
D1863/D1863M—05 <u>D1863M—2005(2011 2018) E+</u>	Specification for Mineral Aggregate Used in Built-up Roofs	IBC®	IRC®
D1970/D1970M—2015A <u>D1970M—2017A</u>	Specification for Self-adhering Polymer Modified Bitumen Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection	IRC®	
D2178/D2178M—15 <u>D2178M—15A</u>	Specification for Asphalt Glass Felt Used in Roofing and Waterproofing	IBC®	IRC®
D2235—04 <u>D2235—2004(2011 2016)</u>	Specification for Solvent Cement for Acrylonitrile-butadiene-styrene (ABS) Plastic Pipe and Fittings	IMC® IPSDC®	IPC® IRC®
D2412—11 <u>D2412—2011(2018)</u>	Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-plate Loading	IMC®	IRC®
D2466—15 <u>D2466—2017</u>	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40	IMC® IRC®	IPC® ISPSC®

D2513—2014e+ <u>D2513—2018A</u>	Specification for Gas Pressure Pipe, Tubing and Fittings	IRC®	
D2564—12 <u>D2564—2012(2018)</u>	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems	IMC® IPSDC®	IPC® IRC®
D2657—07 <u>D2657—2007(2015)</u>	Standard Practice for Heat Fusion-joining of Polyolefin Pipe Fittings	IMC® IPSDC®	IPC® IRC®
D2661—14 <u>D2661—2014E1</u>	Specification for Acrylonitrile-butadiene-styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings	IPC® IRC®	IPSDC®
D2729—11 <u>D2729—2017</u>	Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	IPC® IRC®	IPSDC®
D2822/D2822M—05 <u>D2822M—2005(2011)e+</u>	Specification for Asphalt Roof Cement, Asbestos Containing	IBC®	IRC®
D2824/D2824M—2013 <u>D2824M—2018</u>	Specification for Aluminum-pigmented Asphalt Roof Coatings, Nonfibered, Asbestos Fibered and Fibered without Asbestos	IRC®	
D2846/D2846M—14 <u>D2846M—2017BE1</u>	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-water Distribution Systems	IMC® IRC®	IPC® ISPSC®
D2855—96(2010) <u>D2855—2015</u>	Standard Practice for Making Solvent-cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings	IPC® IRC®	IPSDC®
D2898—10 <u>D2898—2010(2017)</u>	Test Methods for Accelerated Weathering of Fire-retardant-treated Wood for Fire Testing	IBC® IWUIC®	IRC®
D3019—08 <u>D3019/D3019—2017</u>	Specification for Lap Cement Used with Asphalt Roll Roofing, Nonfibered, Asbestos Fibered and Nonasbestos Fibered	IBC®	IRC®
D3034—14a <u>D3034—2016</u>	Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	IPC® IRC®	IPSDC®
D3138—04 <u>D3138—2004(2011, 2016)</u>	Standard Specification for Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly (Vinyl Chloride) (PVC) Non-Pressure Piping Components	IPC®	IRC®
D3161/D3161M—15 <u>D3161M—2016A</u>	Test Method for Wind-Resistance of Steep Slope Roofing Products (Fan Induced Method)	IBC®	IRC®
D3261—12E+ <u>D3261—2016</u>	Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing	IMC® IRC®	IPC®
D3311—11 <u>D3311—2017</u>	Specification for Drain, Waste and Vent (DWV) Plastic Fittings Patterns	IPC®	IRC®
D3462/D3462M—10A <u>D3462M—2016</u>	Specification for Asphalt Shingles Made From Glass Felt and Surfaced with Mineral Granules	IBC®	IRC®
D3679—13 <u>D3679—2017</u>	Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding	IBC®	IRC®
D3737—2012 <u>D3737—2018E1</u>	Practice for Establishing Allowable Properties for Structural Glued Laminated Timber (Glulam)	IRC®	
D4068—15 <u>D4068—2017</u>	Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water Containment Membrane	IPC®	IRC®
D4318—10E+ <u>D4318—2017E1</u>	Test Methods for Liquid Limit, Plastic Limit and Plasticity Index of Soils	IBC®	IRC®
D4434/D4434M—12 <u>D4434M—2015</u>	Specification for Poly (Vinyl Chloride) Sheet Roofing	IBC®	IRC®
D4479/D4479M—07 <u>D4479M—2007(2012, 2018)e+</u>	Specification for Asphalt Roof Coatings—asbestos-free	IBC®	IRC®
D4551—12 <u>D4551—2017</u>	Specification for Poly (Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-containment Membrane	IPC®	IRC®
D4586/D4586M—07 <u>D4586M—2007(2012, 2018)e+</u>	Specification for Asphalt Roof Cemen—asbestos-free	IBC®	IRC®
D4637/D4637M—14E+ <u>D4637M—2015</u>	Specification for EPDM Sheet Used in Single-ply Roof Membrane	IBC®	IRC®
D4869/D4869M—15	Specification for Asphalt-saturated (Organic Felt) Underlayment Used in Steep Slope		

D4869M—2016A	Roofing	IBC®	IRC®
D4897/D4897M—01(2009) D4897M—2016	Specification for Asphalt Coated Glass-fiber Venting Base Sheet Used in Roofing	IBC®	IRC®
D5055—13E+ D5055—2016	Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-joists	IBC®	IRC®
D5456—14B D5456—2018	Standard Specification for Evaluation of Structural Composite Lumber Products	IBC®	IRC®
D5516—09 D5516—2018	Test Method for Evaluating the Flexural Properties of Fire-retardant-treated Softwood Plywood Exposed to the Elevated Temperatures	IBC®	IRC®
D5643/D5643M—06 D5643M—2006(2012 2018)e+	Specification for Coal Tar Roof Cement Asbestos-free	IBC®	IRC®
D5664—10 D5664—2017	Test Methods For Evaluating the Effects of Fire-retardant Treatments and Elevated Temperatures on Strength Properties of Fire-retardant-treated Lumber	IBC®	IRC®
D6083—05e0+ D6083/D6083M—2018	Specification for Liquid-applied Acrylic Coating Used in Roofing	IBC®	IRC®
D6162/D6162M— 2000a(2015)e+ D6162M— 2016	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	IRC®	
D6163/D6163M— 2000(2015)e+ D6163M— 2016	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements	IRC®	
D6164/D6164M—11 D6164M—2016	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Polyester Reinforcements	IBC®	IRC®
D6222/D6222M—11 D6222M—2016	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using Polyester Reinforcements	IBC®	IRC®
D6223/D6223M— 02(2009)e+ D6223M—2016	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcement	IBC®	IRC®
D6298—13 D6298/D6298M —2016	Specification for Fiberglass-reinforced Styrene Butadiene Styrene (SBS) Modified Bituminous Sheets with a Factory Applied Metal Surface	IBC®	IRC®
D6380/D6380—03 D6380M —2003(2013 2018)e+	Standard Specification for Asphalt Roll Roofing (Organic Felt)	IRC®	
D6464—03a D6464— 2003A(2009 2017)e+	Standard Specification for Expandable Foam Adhesives for Fastening Gypsum Wallboard to Wood Framing	IBC®	IRC®
D6694/D6694M— 08(2013)e+ D6694M—2015	Standard Specification for Liquid-applied Silicone Coating Used in Spray Polyurethane Foam Roofing Systems	IBC®	IRC®
D6754/D6754M—10 D6754M—2015	Standard Specification for Ketone-ethylene-ester-based Sheet Roofing	IBC®	IRC®
D6757—2013 D6757/D6757M—2018	Specification for Underlayment Felt Containing Inorganic Fibers Used with Steep Slope Roofing	IBC®	IRC®
D6841—08 D6841—2016	Standard Practice for Calculating Design Value Treatment Adjustment Factors for Fire-retardant-treated Lumber	IBC®	IRC®
D6878/D6878M—13 D6878M—2017	Standard Specification for Thermoplastic-polyolefin-based Sheet Roofing	IBC®	IRC®
D6947/D6947M— 07(2013)e+ D6947M—2016	Standard Specification for Liquid Applied Moisture Cured Polyurethane Coating Used in Spray Polyurethane Foam Roofing System	IBC®	IRC®
D7032—14 D7032—2017	Standard Specification for Establishing Performance Ratings for Wood-plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails)	IBC® IWUIC®	IRC®
D7158—D7158M—2016 D7158/D7158M—2019	Standard Test Method for Wind Resistance of Asphalt Shingles (Uplift Force/Uplift Resistance Method)	IRC®	
D7254—15 D7254—2017	Standard Specification for Polypropylene (PP) siding	IBC®	IRC®
D7672—14 D7672—2014E1	Standard Specification for Evaluating Structural Capacities of Rim Board Products and Assemblies	IBC®	IRC®
D7793—13 D7793—2017	Standard Specification for Insulated Vinyl Siding	IRC®	

E84—2016 <u>E84—2018B</u>	Standard Test Method for Surface Burning Characteristics of Building Materials	IEBC® IMC® IWUIC®	IFC® IRC®
E96/E96M—2015 <u>E96M—2016</u>	Test Method for Water Vapor Transmission of Materials	IRC®	
E108—2016 <u>E108—2017</u>	Test Methods for Fire Tests of Roof Coverings	IFC®	IRC®
E119—2016 <u>E119—2018B</u>	Test Methods for Fire Tests of Building Construction and Materials	IMC® IWUIC®	IRC®
E136—2016 <u>E136—2016A</u>	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C	IRC®	
E283—04 <u>E283—2004(2012)</u>	Test Method for Determining the Rate of Air Leakage through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences across the Specimen	IBC® IECC	IECC IRC®
E331—00 <u>E331—2000(2009 2016)</u>	Test Method for Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference	IBC®	IRC®
E779—10 <u>E779—2010(2018)</u>	Standard Test Method for Determining Air Leakage Rate by Fan Pressurization	IECC IRC®	IECC
E814—2013A <u>(2017)</u>	Standard Test Method for Fire Tests of Penetration Firestop Systems	IBC®	IRC®
E970—14 <u>E970—2017</u>	Standard Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source	IBC®	IRC®
E1509—12 <u>E1509—2012(2017)</u>	Standard Specification for Room Heaters, Pellet Fuel-burning Type	IMC®	IRC®
E1602—03 <u>E1602—2003(2010 2017)e+</u>	Guide for Construction of Solid Fuel Burning Masonry Heaters	IBC®	IRC®
E1827—11 <u>E1827—2011(2017)</u>	Standard Test Methods for Determining Airtightness of Building Using an Orifice Blower Door	IECC IRC®	IECC
E1886—13A <u>E1886—2013A</u>	Test Method for Performance Impact Protective Systems Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials	IBC®	IRC®
E1996—2014a <u>E1996—2017</u>	Standard Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes	IRC®	
E2231—15 <u>E2231—2018</u>	Standard Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess Surface Burning Characteristics	IMC®	IRC®
E2273—03(2011) <u>E2273—2018</u>	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies	IBC®	IRC®
E2568—09e+ <u>E2568—2017A</u>	Standard Specification for PB Exterior Insulation and Finish Systems	IBC®	IRC®
E2634—11(2015) <u>E2634—2018</u>	Standard Specification for Flat Wall Insulating Concrete Form (ICF) Systems	IBC®	IRC®
F409—12 <u>F409—2017</u>	Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings	IPC®	IRC®
F438—15 <u>F438—2017</u>	Specification for Socket-type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40	IMC® IRC®	IPC® ISPSC®
F628—12E+ <u>F628—2012E2</u>	Specification for Acrylonitrile-butadiene-styrene (ABS) Schedule 40 Plastic Drain, Waste and Vent Pipe with a Cellular Core	IPC® IRC®	IPSDC®
F656—15 <u>F656—2015</u>	Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride)(PVC) Plastic Pipe and Fittings	IPC® IRC®	IPSDC®
F876—15A <u>F876—2017</u>	Specification for Cross-linked Polyethylene (PEX) Tubing	IMC® IRC®	IPC®
F877—2011A <u>F877—2018A</u>	Specification for Cross-linked Polyethylene (PEX) Plastic Hot- and Cold-water Distribution Systems	IRC®	
F891—10 <u>F891—2016</u>	Specification for Coextruded Poly (Vinyl Chloride) (PVC) Plastic Pipe with a Cellular Core	IPC® IRC®	IPSDC®
F1055—13 <u>F1055—2016A</u>	Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene Pipe and Tubing	IMC® IRC®	IPC®

F1281—11 <u>F1281—2017</u>	Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PEX-AL-PEX) Pressure Pipe	IMC® IRC®	IPC®
F1282—10 <u>F1282—2017</u>	Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe	IMC® IRC®	IPC®
F1412—09 <u>F1412—2016</u>	Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage	IPC®	IRC®
F1488—14 <u>F1488—14E1</u>	Specification for Coextruded Composite Pipe	IPC® IRC®	IPSDC®
F1554—15 <u>F1554—2018</u>	Specification for Anchor Bolts, Steel, 36, 55 and 105-ksi Yield Strength	IRC®	
F1667—15 <u>F1667—2018</u>	Specification for Driven Fasteners, Nails, Spikes and Staples	IBC®	IRC®
F1807—15 <u>F1807—2018</u>	Specification for Metal Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing	IMC® IRC®	IPC®
F1866—13 <u>F1866—2018</u>	Specification for Poly (Vinyl Chloride) (PVC) Plastic Schedule 40 Drainage and DWV Fabricated Fittings	IPC®	IRC®
F1960—15 <u>F1960—2018</u>	Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing	IMC® IRC®	IPC®
F1973—13E1 <u>F1973—2013(2018)</u>	Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA 11) Fuel Gas Distribution Systems	IFGC®	IRC®
F1986—01 <u>F1986—2001(2011)</u>	Multilayer Pipe Type 2, Compression Joints for Hot and Cold Drinking Water Systems	IPC®	IRC®
F2080—15 <u>F2080—2016</u>	Specification for Cold-expansion Fittings with Metal Compression-sleeves for Cross-linked Polyethylene (PEX) Pipe	IMC® IRC®	IPC®
F2098—08 <u>F2098—2015</u>	Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings	IMC® IRC®	IPC®
F2159—14 <u>F2159—2018</u>	Standard Specification for Plastic Insert Fittings Utilizing a Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing	IMC® IRC®	IPC®
F2389—15 <u>F2389—2017A</u>	Standard for Pressure-rated Polypropylene (PP) Piping Systems	IMC® IRC®	IPC®
F2735—09 <u>F2735—2009(2016)</u>	Standard Specification for Plastic Insert Fittings for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing	IMC® IRC®	IPC®
F2769—14 <u>F2769—2018</u>	Polyethylene or Raised Temperature (PE-RT) Plastic Hot and Cold-Water Tubing and Distribution Systems	IMC® IRC®	IPC®
F2945—2015 <u>F2945—2018</u>	Standard Specification for Polyamide 11 Gas Pressure Pipe, Tubing and Fittings	IRC®	

AWC		American Wood Council	
Standard Reference Number	Title	Referenced in Code(s):	
AWC STJR—2015 <u>STJR—2021</u>	Span Tables for Joists and Rafters	IBC®	IRC®
ANSI/AWC PWF—2015 <u>PWF—2021</u>	Permanent Wood Foundation Design Specification	IBC®	IRC®

AWPA		American Wood Protection Association	
Standard Reference Number	Title	Referenced in Code(s):	
M4—16 <u>M4—15</u>	Standard for the Care of Preservative-treated Wood Products	IBC®	IRC®
U1—16 <u>U1—20</u>	USE CATEGORY SYSTEM: User Specification for Treated Wood Except Commodity Specification H	IBC®	IRC®

AWS		American Welding Society	
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Standard Reference Number	Title	Referenced in Code(s):	
A5.8M/A5.8—2011 <u>A5.8: 2011—AMD1</u>	Specifications for Filler Metals for Brazing and Braze Welding	IMC® IRC®	IPC®

AWWA	American Water Works Association
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Standard Reference Number	Title	Referenced in Code(s):	
C104/A21.4—13 <u>A21.4—16</u>	Cement-mortar Lining for Ductile-iron Pipe and Fittings	IPC®	IRC®
C151/A21.51—09 <u>A21.51—17</u>	Ductile-iron Pipe, Centrifugally Cast, for Water	IMC® IRC®	IPC®
C504—10 <u>C504—15</u>	Standard for Rubber-seated Butterfly Valves	IPC®	IRC®
C511—07 <u>C511—17</u>	Reduced-pressure Principle Backflow Prevention Assembly	IPC®	IRC®

CISPI	Cast Iron Soil Pipe Institute
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Standard Reference Number	Title	Referenced in Code(s):	
301—12 <u>301—18</u>	Standard Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications	IPC® IRC®	IPSDC®
310—12 <u>310—18</u>	Standard Specification for Coupling for Use in Connection with Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications	IPC® IRC®	IPSDC®

CSA	CSA Group
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Standard Reference Number	Title	Referenced in Code(s):	
ASME A112.3.4—2013/CSA B45.9—13 <u>B45.9—18</u>	Macerating Toilet Systems and Related Components	IPC®	IRC®
ASME A112.18.1—2017 A112.18.1—2018/CSA B125.1—2017 <u>B125.1—2018</u>	Plumbing Supply Fittings	IRC®	
ASME A112.18.2—2015 A112.18.2—2019/CSA B125.2—2015 <u>B125.2—2019</u>	Plumbing Waste Fittings	IPC®	IRC®
A112.18.6—2017 A112.18.6—2021/CSA B125.6—2017 <u>B125.6—2021</u>	Flexible Water Connectors	IRC®	
ASME A112.19.1—2013 A112.19.1—2018/CSA B45.2—13 <u>B45.2—18</u>	Enameled Cast-iron and Enameled Steel Plumbing Fixtures	IRC®	
ASME A112.19.2—2013 A112.19.2—2018/CSA B45.1—13 <u>B45.1—18</u>	Ceramic Plumbing Fixtures	IRC®	
ASME A112.19.3—2008 A112.19.3—2017/CSA B45.4—08 (R2013) <u>B45.4—2017</u>	Stainless Steel Plumbing Fixtures	IRC®	
ASSE 1002—2015 1002—2020/ASME A112.1002—2015 <u>A112.1002—2020/CSA B125.12—15</u>	Anti-Siphon Fill Valves <u>for water closet tanks</u>	IPC® IRC® IRC®	IPC® IRC®

B125.12—20

A112.19.5—2011 A112.19.5

—2017/CSA B45.15—2011 Flush Valves and Spuds for Water-closets, Urinals and Tanks

IRC®

B45.15—2017

A112.19.7—2017 A112.19.7

—2021/CSA B45.10—2017 Hydromassage Bathtub Systems

IRC®

IRC®

B45.10—2021

ASME A17.1/CSA B44—

2016 B44—2019

Safety Code for Elevators and Escalators

IRC®

B64.1.1—16 B64.1.1—

11(R2016)

Vacuum Breakers, Atmospheric Type (AVB)

IPC®

IRC®

B64.1.2—16 B64.1.2—

11(R2016)

Pressure Vacuum Breakers (PVB)

IPC®

IRC®

B64.1.3—16 B64.1.3—

11(R2016)

Spill Resistant Pressure Vacuum Breakers (SRPVB)

IPC®

IRC®

B64.2—16 B64.2—

11(R2016)

Vacuum Breakers, Hose Connection Type (HCVB)

IPC®

IRC®

B64.2.1—16 B64.2.1—

11(R2016)

Hose Connection Vacuum Breakers (HCVB) with Manual Draining Feature

IPC®

IRC®

B64.2.1.1—16 B64.2.1.1—

11(R2016)

Hose Connection Dual Check Vacuum Breakers (HCDVB)

IPC®

IRC®

B64.2.2—16 B64.2.2—

11(R2016)

Vacuum Breakers, Hose Connection Type (HCVB) with Automatic Draining Feature

IPC®

IRC®

B64.3—16 B64.3—

11(R2016)

Dual Check Backflow Preventers with Atmospheric Port (DCAP)

IPC®

IRC®

B64.4—16 B64.4—

11(R2016)

Backflow Preventers, Reduced Pressure Principle Type (RP)

IPC®

IRC®

B64.4.1—16 B64.4.1—

11(R2016)

Reduced Pressure Principle for Fire Sprinklers (RPF)

IPC®

IRC®

B64.5—16 B64.5—

11(R2016)

Double Check Backflow Preventers (DCVA)

IPC®

IRC®

B64.5.1—16 B64.5.1—

11(2016)

Double Check Valve Backflow Preventers, Type for Fire Systems (DCVAF)

IPC®

IRC®

B64.6—16 B64.6—

11(R2016)

Dual Check Valve Backflow Preventers (DuC)

IPC®

IRC®

B64.7—16 B64.7—

11(R2016)

Laboratory Faucet Vacuum Breakers (LFVB)

IPC®

IRC®

B125.3—12 B125.3—18

Plumbing Fittings

IRC®

B137.1—16 B137.1—17

Polyethylene (PE) Pipe, Tubing and Fittings for Cold Water Pressure Services

IPC®

IRC®

B137.2—16 B137.2—17

Polyvinylchloride PVC Injection-moulded Gasketed Fittings for Pressure Applications

IMC®

IPC®

IRC®

ISPSC®

B137.3—16 B137.3—17

Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications

IMC®

IPC®

IPSDC®

IRC®

ISPSC®

B137.5—16 B137.5—17

Cross-linked Polyethylene (PEX) Tubing Systems for Pressure Applications

IPC®

IRC®

B137.6—16 B137.6—17

Chlorinated polyvinylchloride CPVC Pipe, Tubing and Fittings For Hot- and Cold-water Distribution Systems

IMC®

IPC®

IRC®

ISPSC®

B137.9—16 B137.9—17

Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe Systems

IMC®

IPC®

IRC®

B137.10—13 B137.10—17

Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene (PE-AL-PE) Composite Pressure Pipe Systems

IRC®

B137.11—16 B137.11—17

Polypropylene (PP-R) Pipe and Fittings for Pressure Applications

IPC®

IRC®

B137.18—13 <u>B137.18—17</u>	Polyethylene of Raised Temperature (PE-RT) Tubing Systems for Pressure Applications	IPC®	IRC®
B181.1—15 <u>B181.1—18</u>	Acrylonitrile-butadiene-styrene (ABS) Drain, Waste and Vent Pipe and Pipe Fittings	IPC® IRC®	IPSDC®
B181.2—15 <u>B181.2—18</u>	Polyvinylchloride (PVC) and chlorinated polyvinylchloride (CPVC) Drain, Waste and Vent Pipe and Pipe Fittings	IPC® IRC®	IPSDC®
B181.3—15 <u>B181.3—18</u>	Polyolefin and polyvinylidene (PVDF) Laboratory Drainage Systems	IPC®	IRC®
B182.2—11 <u>B182.2—18</u>	PSM Type polyvinylchloride (PVC) Sewer Pipe and Fittings	IPC® IRC®	IPSDC®
B182.4—15 <u>B182.4—18</u>	Profile polyvinylchloride (PVC) Sewer Pipe & Fittings	IPC® IRC®	IPSDC®
B182.6—15 <u>B182.6—18</u>	Profile Polyethylene (PE) Sewer Pipe and Fittings for leak-proof Sewer Applications	IPC®	IRC®
B182.8—15 <u>B182.8—18</u>	Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings	IPC®	IRC®
B356—10 <u>CAN/CSA-B356—10(R2015)</u>	Water Pressure Reducing Valves for Domestic Water Supply Systems	IPC®	IRC®
B483.1—07(R2012) <u>R2017</u>	Drinking Water Treatment Systems	IPC®	IRC®
B602—15 <u>B602—16</u>	Mechanical Couplings for Drain, Waste and Vent Pipe and Sewer Pipe	IPC® IRC®	IPSDC®
C22.2 No. 218.1—M89 <u>218.1—13(R2011 R2017)</u>	Spas, Hot Tubs and Associated Equipment	IRC®	
ANSI/CSA-IGSHPA C448 Series—16	Design and Installation of Earth Energy Systems <u>ground source heat pump systems for commercial and residential buildings</u>	IMC®	IRC®
CSA O325—07 <u>O325—16</u>	Construction Sheathing	IRC®	
O437-Series—93 (R2011)	Standards on OSB and Waferboard (Reaffirmed 2006)	IRC®	
CAN/CSA/C22.2 No. 60335-2-40—2012 <u>60335-2-40—2017</u>	Safety of Household and Similar Electrical Appliances — Safety- Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers	IRC®	

DASMA	Door & Access Systems Manufacturers Association International
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Standard Reference Number	Title	Referenced in Code(s):	
105—2016 <u>105—2017</u>	Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors	IECC IRC®	IECC
115—2016 <u>115—2017</u>	Standard Method for Testing Sectional Garage Doors, Rolling Doors and Flexible Doors: Determination of Structural Performance Under Missile Impact and Cyclic Wind Pressure	IRC®	

DOC	United States Department of Commerce
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Standard Reference Number	Title	Referenced in Code(s):	
PS 1—09 <u>1—19</u>	Structural Plywood	IBC®	IRC®
PS 2—10 <u>2—18</u>	Performance Standard for Wood-based Structural Use <u>Wood Structural Panels</u>	IBC®	IRC®

FM	FM Approvals
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Standard Reference Number	Title	Referenced in Code(s):	
4880—(2015) <u>ANSI/FM 4880—2017</u>	Approval American National Standard for Class 1 Rating of Evaluating the Fire Performance of Insulated Building Panels or Assemblies and Interior Finish Materials	IRC®	

GA	Gypsum Association
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Standard Reference Number	Title	Referenced in Code(s):	
GA-253—2016 <u>GA-253—2018</u>	Application of Gypsum Sheathing	IRC®	
HVI	Home Ventilating Institute		
Standard Reference Number	Title	Referenced in Code(s):	
916—09 <u>916—18</u>	Airflow Test Procedure	IECC	IRC®
IAPMO	IAPMO Group		
Standard Reference Number	Title	Referenced in Code(s):	
CSA B45.5—17/IAPMO Z124—2017 <u>with Errata dated August 2017</u>	Plastic Plumbing Fixtures	IPC® IRC®	IPC®
ICC	International Code Council, Inc.		
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/RESNET/ICC 901—2014 <u>301—2019</u>	Standard for the Calculation and Labeling of the Energy Performance of Low-Rise Residential Buildings <u>Low-rise Dwelling and Sleeping Units</u> using the Energy Rating Index, March 7, 2014, republished 2016	IECC IRC®	IECC
ANSI/RESNET/ICC 980—2016 <u>380—2019</u>	Standard for Testing Airtightness of Building Enclosures , <u>Dwelling Unit and Sleeping Unit Enclosures</u> ; Airtightness of Heating and Cooling Air Distribution <u>Systems</u> ; and Airflow of Mechanical Ventilation Systems	IECC IRC®	IECC
MSS	Manufacturers Standardization Society of the Valve and Fittings Industry		
Standard Reference Number	Title	Referenced in Code(s):	
SP-58—09 <u>SP-58—2018</u>	Pipe Hangers and Supports—Materials, Design, Manufacture, Selection, Application and Installation	IRC®	
SP-67—11 <u>SP-67—2017</u>	Butterfly Valves	IRC®	
SP-71—2013 <u>SP-71—2018</u>	Gray Iron Swing Check Valves, Flanged and Threaded Ends	IPC®	IRC®
SP-110—2010 <u>SP-110—2010</u>	Ball Valves, Threaded, Socket Welded, Solder Joint, Grooved and Flared Ends	IPC®	IRC®
SP-122—2012 <u>SP-122—2017</u>	Plastic Industrial Ball Valves	IPC®	IRC®
NFPA	National Fire Protection Association		
Standard Reference Number	Title	Referenced in Code(s):	
13—16 <u>13—19</u>	Standard for Installation of Sprinkler Systems	IBC® IRC®	IFC®
13D—16 <u>13D—19</u>	Standard for the Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes	IBC® IRC®	IFC®
13R—16 <u>13R—19</u>	Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies	IBC®	IFC®

31 — 16.31 —20	Standard for the Installation of Oil-burning Equipment	IBC® IMC®	IFC® IRC®
58 — 17.58 —20	Liquefied Petroleum Gas Code	IBC® IFGC® IRC®	IFC® IMC®
72 — 16.72 —19	National Fire Alarm and Signaling Code	IBC® IMC® IRC®	IFC® IPMC®
85 — 15.85 —19	Boiler and Combustion Systems Hazards Code	IBC® IFGC® IRC®	IFC® IMC®
211 — 16.211 —19	Standard for Chimneys, Fireplaces, Vents and Solid Fuel Burning Appliances	IBC® IFGC® IRC®	IFC® IMC®
286 — 15.286 —19	Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	IBC® IMC®	IFC® IRC®
853 — 15.853 —20	Standard on the Installation of Stationary Fuel Cell Power Systems	IFC® IMC®	IFGC® IRC®

NFRC		National Fenestration Rating Council, Inc.	
Standard Reference Number	Title	Referenced in Code(s):	
100 — 2017.100 —2020	Procedure for Determining Fenestration Products U-Factors	IECC IRC®	IECC
200 — 2017.200 —2020	Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence	IECC IRC®	IECC
400 — 2017.400 —2020	Procedure for Determining Fenestration Product Air Leakage	IECC IRC®	IECC

NSF		NSF International	
Standard Reference Number	Title	Referenced in Code(s):	
14 — 2015.14 —2017	Plastics Piping System Components and Related Materials	IPC®	IRC®
41 — 2011.41 —2016	Nonliquid Saturated Treatment Systems (Composting Toilets)	IPSDC®	IRC®
42 — 2015.42 —2017	Drinking Water Treatment Units—Anesthetic Effects	IPC®	IRC®
44 — 2015.44 —2017	Residential Cation Exchange Water Softeners	IPC®	IRC®
50 — 2015.50 —2017	Equipment for Swimming Pools, Hot Tubs and Other Recreational Water Facilities	IPC®	IRC®
53 — 2015.53 —2017	Drinking Water Treatment Units—Health Effects	IPC®	IRC®
58 — 2015.58 —2017	Reverse Osmosis Drinking Water Treatment Systems	IPC®	IRC®
61 — 2015.61 —2017	Drinking Water System Components—Health Effects	IPC®	IRC®
350 — 2014.350 —2017a	Onsite Residential and Commercial Water Reuse Treatment Systems	IPC®	IRC®
358-1 — 2014.358-1 —2017	Polyethylene Pipe and Fittings for Water-based Ground Source “Geothermal” Heat Pump Systems	IRC®	
358-2 — 2012.358-2 —2017	Polypropylene Pipe and Fittings for Water-based Ground Source “Geothermal” Heat Pump Systems	IRC®	
359 — 2012.359 — 2011(R2016)	Valves for Crosslinked Polyethylene (PEX) Water Distribution Tubing Systems	IRC®	
372 — 2011.372 —2016	Drinking Water Systems Components—Lead Content	IPC®	IRC®

PCA	Portland Cement Association
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Standard Reference Number	Title	Referenced in Code(s):
100—12.100—2017	Prescriptive Design of Exterior Concrete Walls for One- and Two-family Dwellings (Pub. No. EB244 <u>PCA 100.3</u>)	IRC®

SBCA	Structural Building Components Association
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Standard Reference Number	Title	Referenced in Code(s):
BCSI—2013 (Updated March 2015) <u>BCSI—2018</u>	Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses	IRC®
<u>CFS-BCSI—2008 (updated June 2016)</u>	Cold-formed Steel Building Component Safety Information (CFSBCSI) Guide to Good Practice for Handling, Installing & Bracing of Cold-formed Steel Trusses	IRC®
<u>ANSI/FS100—12 (R2018)</u>	Standard Requirements for Wind Pressure Resistance of Foam Plastic Insulating Sheathing Used in Exterior Wall Covering Assemblies	IRC®

SMACNA	Sheet Metal & Air Conditioning Contractors National Assoc. Inc.
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Standard Reference Number	Title	Referenced in Code(s):
SMACNA—10	Fibrous Glass Duct Construction Standards (2003) <u>7th edition</u>	IMC® IRC®
SMACNA/ANSI—2016	HVAC Duct Construction Standards—Metal and Flexible 4th Edition (ANSI) 2016	IMC® IRC®

TPI	Truss Plate Institute
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Standard Reference Number	Title	Referenced in Code(s):
TPI 1—2014	National Design Standard for Metal plate-connected <u>Metal Plate Connected</u> Wood Truss Construction	IBC® IRC®

UL	UL LLC
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Standard Reference Number	Title	Referenced in Code(s):
55A—04.55A—2004	Materials for Built-up Roof Coverings	IBC® IRC®
58—96.58—2018	Steel Underground Tanks for Flammable and Combustible Liquids with Revisions through July 1998 <u>Liquids</u>	IFC® IRC®
103—2010	Factory-built Chimneys for Residential Type and Building Heating Appliances—with revisions through July 2012 <u>March 2017</u>	IBC® IFGC® IMC® IRC®
127—2011	Factory-built Fireplaces—with revisions through May 2015 <u>July 2016</u>	IBC® IFGC® IMC® IRC®
174—04.174—2004	Household Electric Storage Tank Water Heaters—with revisions through April 2015 <u>December 2016</u>	IMC® IRC®
180—2012	Liquid-level Indicating Gauges for Oil Burner Fuels and Other Combustible Liquids with revisions through May 2017	IMC® IMC® IRC®
181—05.181—2005	Factory-made Air Ducts and Air Connectors—with revisions through May 2009 <u>April 2017</u>	IMC® IRC®
181A—2013	Closure Systems for Use with Rigid Air Ducts and Air Connectors—with revisions through December 1998 <u>March 2017</u>	IMC® IRC®
181B—2013	Closure Systems for Use with Flexible Air Ducts and Air Connectors—with revisions through August 2003 <u>March 2017</u>	IMC® IRC®
217—06.217—2015	Single- and Multiple-station Smoke Alarms—with revisions through October 2015 <u>November 2016</u>	IBC® IFC® IRC®

263—2011	Standards for Fire Test of Building Construction and Materials—with revisions through June 2015 <u>March 2018</u>	IMC® IWUIC®	IRC®
268—2009 <u>268—2016</u>	Smoke Detectors for Fire Alarm Systems—with revisions through July 2016	IMC®	IRC®
325—02 <u>325—2017</u>	Door, Drapery, Gate, Louver and Window Operations and Systems—with revisions through May 2015 <u>Systems</u>	IBC® IRC®	IFC®
343—2008 <u>343—2017</u>	Pumps for Oil-burning Appliances—with revisions through June 2013 <u>Appliances</u>	IMC®	IRC®
378—06	Draft Equipment—with revisions through June 12, 2014 <u>September 2013</u>	IMC®	IRC®
441—10 <u>441—16</u>	Gas Vents—with revisions through June 12, 2014 <u>July 2016</u>	IRC®	
507—99 <u>507—2017</u>	Standard for Electric Fans <u>Electric Fans—with revisions through August 2018</u>	IRC®	
508—99 <u>508—2018</u>	Industrial Control Equipment—with revisions through October 2013 <u>Equipment</u>	IMC® IRC®	IPC®
536—97 <u>536—2014</u>	Flexible Metallic Hose—with revisions through December 2014 <u>Hose</u>	IMC®	IRC®
641—2010	Type L, Low-temperature Venting Systems—with revisions through June 2013 <u>April 2018</u>	IBC® IMC®	IFGC® IRC®
651—2011	Schedule 40, Type EB and Schedule 80-A Rigid PVC Conduit and Fittings—with revisions through May 2014 <u>June 2016</u>	IFGC®	IRC®
705—04 <u>705—2017</u>	Standard for Power Ventilators—with revisions through December 2013 <u>October 2018</u>	IRC®	
723—08 <u>723—2018</u>	Standard for Test for Surface Burning Characteristics of Building Materials—with revisions through August 2013 <u>Materials</u>	IEBC® IRC®	IFC®
727—06 <u>727—2018</u>	Oil-fired Central Furnaces—with revisions through October 2013 <u>Furnaces</u>	IECC IRC®	IMC®
729—03 <u>729—2003</u>	Oil-fired Floor Furnaces—with revisions through October 2013 <u>November 2016</u>	IMC®	IRC®
730—03	Oil-fired Wall Furnaces—with revisions through October 2013 <u>November 2016</u>	IMC®	IRC®
732—95 <u>732—2018</u>	Oil-fired Storage Tank Water Heaters—with revisions through October 2013 <u>August 2018</u>	IMC®	IRC®
737—2011	Fireplaces Stoves—with revisions through August 2015 <u>Stoves</u>	IMC®	IRC®
790—04	Standard Test Methods for Fire Tests of Roof Coverings—with revisions through July 2014 <u>October 2018</u>	IBC® IFC®	IEBC® IRC®
795—2011 <u>795—2016</u>	Commercial-industrial Gas Heating Equipment—with revisions through November 2013 <u>Equipment</u>	IFGC®	IRC®
834—04 <u>834—2004</u>	Heating, Water Supply and Power Boilers—Electric—with revisions through December 2013 <u>September 2018</u>	IMC®	IRC®
842—07 <u>842—2015</u>	Valves for Flammable Fluids—with revisions through May 2015	IMC®	IRC®
858—05 <u>858—2014</u>	Household Electric Ranges—with revisions through June 2015 <u>2018</u>	IMC®	IRC®
875—09	Electric Dry-bath Heaters—with revisions through December 2013 <u>September 2017</u>	IMC®	IRC®
896—93 <u>896—1993</u>	Oil-burning Stoves—with revisions through November 2013 <u>2016</u>	IMC®	IRC®
923—2013	Microwave Cooking Appliances—with revisions through June 2015 <u>July 2017</u>	IMC®	IRC®
1026—2012	Electric Household Cooking and Food Serving Appliances—with revisions through August 2015 <u>July 2018</u>	IRC®	
1040—96 <u>1040—1996</u>	Fire Test of Insulated Wall Construction—with revisions through October 2012 <u>April 2017</u>	IBC®	IRC®
1042—2009	Electric Baseboard Heating Equipment—with revisions through September 2014 <u>December 2016</u>	IRC®	
1256—02	Fire Test of Roof Deck Construction—with revisions through July 2013 <u>August 2018</u>	IBC®	IRC®
1261—01 <u>1261—2016</u>	Electric Water Heaters for Pools and Tubs—with revisions through July 2012 <u>September 2017</u>	IMC®	IRC®
1479—03 <u>1479—2015</u>	Fire Tests of Through-Penetration Firestops—with revisions through June 2015 <u>Firestops</u>	IBC® IRC®	IMC®
1563—2009	Standard for Electric Spas, Hot Tubs <u>Equipment Assemblies, and Associated Equipment—with revisions through March 2015</u> <u>October 2017</u>	IMC® ISPSC®	IRC®

1618—09 1618—2015	Wall Protectors, Floor Protectors, and Hearth Extensions—with revisions through October 2015 <u>January 2018</u>	IFGC®	IMC®
1703—02 1703—2002	Flat-plate Photovoltaic Modules and Panels—with revisions through October 2015 <u>September 2018</u>	IRC®	IRC®
1715—97	Fire Test of Interior Finish Material—with revisions through January 2013 <u>April 2017</u>	IBC®	IRC®
1738—2010	Venting Systems for Gas-burning Appliances, Categories II, III and IV—with revisions through November 2014 <u>IV</u>	IFGC®	IRC®
1741—2010	Inverters, Converters, Controllers and Interconnection System Equipment with Distributed Energy Resources—with revisions through January 2015 <u>February 2018</u>	IBC®	IRC®
1777—07	Chimney Liners—with revisions through October 2015 <u>April 2014</u>	IRC®	
1897—12 1897—2015	Uplift Tests for Roof Covering Systems—with revisions through September 2015 <u>Systems</u>	IBC®	IRC®
1995—2011 1995—2015	Heating and Cooling Equipment—with revisions through July 2015 <u>August 2018</u>	IMC® IPSC®	IRC®
1996—2009	Electric Duct Heaters—with revisions through June 2014 <u>July 2016</u>	IMC®	IRC®
2034—08 2034—2017	Standard for Single- and Multiple-station Carbon Monoxide Alarms—with revisions through March 2015 <u>September 2018</u>	IFC®	IRC®
2075—2013	Standard for Gas and Vapor Detectors and Sensors <u>Sensors-with revisions through December 2017</u>	IBC® IMC®	IFC® IRC®
2158A—2010 2158A—2013	Outline of Investigation for Clothes Dryer Transition Duct Duct-with revisions through April 2017	IMC®	IRC®
2523—09 2523—2009	Standard for Solid Fuel-fired Hydronic Heating Appliances, Water Heaters and Boilers—with revisions through February 2013 <u>March 2018</u>	IMC®	IRC®
2703—14 2703—2014	Mounting Systems, Mounting Devices, Clamping/Retention Devices and Ground Lugs for Use with Flat-Plate Photovoltaic Modules and Panels <u>Panels-with revisions through December 2019</u>	IRC®	
9540—14 9540—2016	Outline of Investigation <u>Standard for Energy Storage Systems and Equipment</u>	IFC®	IRC®
UL/CSA/ANCE 60335-2-40—2012 60335-2-40—2019	Standard for Household and Similar Electrical Appliances, Part 2 Appliances- Safety - Part 2-40: Particular Requirements for Motor-compressors <u>Electrical Heat Pumps, Air Conditioners and Dehumidifiers</u>	IRC®	

ULC	ULC		
Standard Reference Number	Title	Referenced in Code(s):	
CAN/ULC S 102.2—2010 102.2—2018	Standard Methods for Method of Test for Surface Burning Characteristics of Building Materials and Assemblies	IBC®	IRC®

WDMA	Window and Door Manufacturers Association		
Standard Reference Number	Title	Referenced in Code(s):	
I.S. 11—13 11—16	Industry Standard Analytical Method for Design Pressure (DP) Ratings of Fenestration Products	IRC®	

WMA	World Millwork Alliance (formerly Association of Millwork Distributors Standards AMD)		
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/WMA 100—2016 100—2018	Standard Method of Determining Structural Performance Ratings of Side Hinged Exterior Door Systems and Procedures for Component Substitution	IRC®	

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE FOR THE IRC.

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standards developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5812

ADM47-IRC-19

ADM47-IEBC-19

Chapter 16

ASCE/SEI		American Society of Civil Engineers	
Standard Reference Number	Title	Referenced in Code(s):	
7—16	Minimum Design Loads and Associated Criteria for Buildings and Other Structures <u>with Supplement 1</u>	IBC® IRC®	IEBC®
ASHRAE		ASHRAE	
Standard Reference Number	Title	Referenced in Code(s):	
62.1—2016 <u>62.1—2019</u>	Ventilation for Acceptable Indoor Air Quality	IEBC®	IMC®
ASME		American Society of Mechanical Engineers	
Standard Reference Number	Title	Referenced in Code(s):	
ASME A17.1—2016 <u>A17.1—2019/CSA B44—16</u> B44—16 <u>B44—19</u>	Safety Code for Elevators and Escalators	IEBC® IFC® IRC®	IECC IPMC®
A17.3—2015 <u>A17.3—2020</u>	Safety Code for Existing Elevators and Escalators	IEBC®	IFC®
A18.1—2014 <u>A18.1—2020</u>	Safety Standard for Platform Lifts and Stairway Chair Lifts	IBC® IRC®	IEBC®
ASTM		ASTM International	
Standard Reference Number	Title	Referenced in Code(s):	
C94/C94M—15A <u>C94M—2017A</u>	Specification for Ready-mixed Concrete	IBC® IRC®	IEBC®
E84—2016 <u>E84—2018B</u>	Standard Test Method for Surface Burning Characteristics of Building Materials	IEBC® IMC® IWUIC®	IFC® IRC®
E108—16 <u>E108—2017</u>	Standard Test Methods for Fire Tests of Roof Coverings	IBC® IWUIC®	IEBC®
E136—16 <u>E136—2016A</u>	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C	IBC® IFGC® IWUIC®	IEBC® IMC®
NFPA		National Fire Protection Agency	
Standard Reference Number	Title	Referenced in Code(s):	
NFPA 13R—16 <u>13R—19</u>	Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height	IEBC®	
NFPA 72—16 <u>72—19</u>	National Fire Alarm and Signaling Code	IEBC®	
NFPA 99—18 <u>99—21</u>	Health Care Facilities Code	IEBC®	
NFPA 101—18 <u>101—21</u>	Life Safety Code	IEBC®	
UL		UL LLC	

Standard Reference Number	Title	Referenced in Code(s):	
723-08 <u>723-2018</u>	Standard for Test for Surface Burning Characteristics of Building Materials— with Revisions through August 2013 <u>Materials</u>	IEBC® IRC®	IFC®
790-04 <u>790-2004</u>	Standard Test Methods for Fire Tests of Roof Coverings— with Revisions through July 2014 <u>October 2018</u>	IBC® IFC®	IEBC® IRC®

Reason: THIS IS THE ADMIN STANDARDS UPDATE CHANGE-IEBC.

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standards developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5793

ADM47-IEBC-19

ADM47-IFGC-19

Chapter 8

ANSI	American National Standards Institute	
Standard Reference Number	Title	Referenced in Code(s):
ANSI NGV 5.1—2015 <u>5.1—2016</u>	Residential Fueling Appliances	IFGC®
ANSI FC 1—2012 <u>1—2014</u>	Stationary Fuel Cell Power Systems <u>Fuel cell technologies - Part 3-100: Stationary fuel cell power systems-Safety</u>	IFGC®
LC 1/CSA 6.26—2013 <u>6.26—2016</u>	Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)	IFGC®
Z21.1—2010 <u>Z21.1/CSA 1.1—2016</u>	Household Cooking Gas Appliances	IFGC® IMC® IRC®
Z21.5.1/CSA 7.1—2014 <u>7.1—2017</u>	Gas Clothes Dryers—Volume I—Type 1 Clothes Dryers	IFGC®
Z21.5.2/CSA 7.2—2014 <u>7.2—2016</u>	Gas Clothes Dryers—Volume II—Type 2 Clothes Dryers	IFGC®
Z21.8—94 (R2002) <u>R2012</u>	Installation of Domestic Gas Conversion Burners	IFGC® IRC®
Z21.10.1/CSA 4.1—2012 <u>4.1—2017</u>	Gas Water Heaters—Volume I—Storage, Water Heaters with Input Ratings of 75,000 Btu per Hour or Less	IFGC®
Z21.10.3/CSA 4.3—2011 <u>4.3—2017</u>	Gas Water Heaters—Volume III—Storage, Water Heaters with Input Ratings above 75,000 Btu per Hour, Circulating and Instantaneous	IFGC®
Z21.11.2—2011 <u>Z21.11.2—2016</u>	Gas-fired Room Heaters—Volume II—Unvented Room Heaters	IFGC®
Z21.13/CSA 4.9—2011 <u>4.9—2017</u>	Gas-fired Low-pressure Steam and Hot Water Boilers	IFGC®
Z21.15/CSA 9.1—2009 <u>(R2014)</u>	Manually Operated Gas Valves for Appliances, Appliance Connector Valves and Hose End Valves	IFGC®
Z21.19/CSA 1.4—02 (R2007) <u>1.4—2014</u>	Refrigerators Using Gas (R1999) Fuel	IFGC®
Z21.24/CSA 6.10—2006 <u>6.10—2015</u>	Connectors for Gas Appliances	IFGC®
Z21.40.1/CGA 2.91—1996 <u>(R2011, R2017)</u>	Gas-fired, Heat Activated Air Conditioning and Heat Pump Appliances	IFGC®
Z21.40.2/CGA 2.92—1996 <u>(R2011, R2017)</u>	Gas-fired, Work Activated Air Conditioning and Heat Pump Appliances (Internal Combustion)	IFGC®
Z21.42—2014 <u>Z21.42—2013</u>	Gas-fired Illuminating Appliances	IFGC® IRC®
Z21.47/CSA 2.3—2012 <u>2.3—2016</u>	Gas-fired Central Furnaces	IFGC®
Z21.50/CSA 2.22—2016	Vented <u>Decorative</u> Gas Fireplaces	IFGC®
Z21.54—2009 <u>Z21.54—2014</u>	Gas Hose Connectors for Portable Outdoor Gas-fired Appliances	IFGC® IRC®
Z21.58/CSA 1.6—2013 <u>1.6—2015</u>	Outdoor Cooking Gas Appliances	IFGC®
Z21.60/CSA 2.26—2012 <u>2.26—2017</u>	Decorative Gas Appliances for Installation in Solid-fuel Burning Fireplaces	IFGC®
Z21.61—1983 (R2004) <u>R2013</u>	Gas-fired Toilets	IFGC®
Z21.69/CSA 6.16—2009	Connectors for Movable Gas Appliances	IFGC®

6.16—2015 Z21.75/CSA 6.27—2007 6.27—2016	Connectors for Outdoor Gas Appliances and Manufactured Homes	IFGC®
Z21.80/CSA 6.22—2011 6.22—2016	Line Pressure Regulators	IFGC®
Z21.84—2012 Z21.84— 2017	Manually Lighted, Natural Gas Decorative Gas Appliances for Installation in Solid-Fuel <u>Solid-Fuel Burning Fireplaces Appliances</u>	IFGC®
Z21.86/CSA 2.32—2008 2.32—2016	Vented Gas-fired Space Heating Appliances	IFGC®
Z21.91—2007 Z21.91— 2017	Ventless Firebox Enclosures for Gas-fired Unvented Decorative Room Heaters	IFGC®
Z21.93/CSA 6.30—2013 6.30—2017	Excess Flow Valves for Natural <u>Gas</u> and LP-Propane Gas with Pressures up to 5 psig	IFGC®
Z21.97—2012 Z21.97— 2014	Outdoor Decorative <u>Gas</u> Appliances	IFGC®
Z83.4/CSA 3.7—2012 3.7— 2017	Nonrecirculating Direct-gas-fired Industrial Air Heaters <u>Heating and Forced Ventilation</u> <u>Appliances for Commercial and Industrial Application</u>	IFGC®
Z83.8/CSA 2.6—2009 2.6— 2016	Gas Unit Heater, Gas Packaged Heater <u>Heaters</u> , Gas Utility Heaters, and Gas-fired Duct Furnaces	IFGC®
Z83.11/CSA 1.8—2013 1.8 —2016	Gas Food Service Equipment	IFGC®
Z83.18—2012 Z83.18— 2017	Recirculating Direct Gas-fired Industrial Air Heaters <u>Heating and Forced Ventilation</u> <u>Appliances for Commercial and Industrial Applications</u>	IFGC®
Z83.19—2001 Z83.19— 09(R2009 R2014)	Gas-fired High-intensity Infrared Heaters	IFGC®
Z83.20—2008 Z83.20— 2016	Gas-fired <u>Tubular and</u> Low-intensity Infrared Heaters	IFGC®
ANSI A13.1—2015 A13.1— 2020	Scheme for the Identification of Piping Systems	IFGC®

ASME		American Society of Mechanical Engineers	
Standard Reference Number	Title	Referenced in Code(s):	
B16.1—2010 B16.1—2020	Gray Iron Pipe Flanges and Flanged Fittings, Class 25, 125 and 250	IFGC®	
B1.20.1—2013 B1.20.1— 2019	Pipe Threads, General Purpose (inch)	IFGC®	IMC®
		IPC®	IRC®
B16.5—2015 B16.5—2019	Pipe Flanges and Flanged Fittings: NPS 1/2 through NFPS 24 Metric/Inch Standard	IFGC®	
B16.24—2016 B16.24— 2021	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Classes 150, 300, 600, 900, 1500 and 2500	IFGC®	
B16.42—2016 B16.42— 2021	Ductile Iron Pipe Flanges and Flanged Fittings, Classes 150 and 300	IFGC®	
B16.47—2016 B16.47— 2020	Large Diameter Steel Flanges: NPS 26 through NPS 60 Metric/Inch Standard	IFGC®	
B16.33—2012(<u>R2017</u>)	Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 psig (Sizes 1/2 through 2)	IFGC®	IRC®
B16.44—2012(<u>R2017</u>)	Manually Operated Metallic Gas Valves for Use in Aboveground Piping Systems up to 5 psi	IFGC®	IRC®
B31.3—2016 B31.3—2020	Process Piping	IBC®	IFC®
		IFGC®	
B31.12—2014 B31.12— 2019	Hydrogen Piping and Pipelines	IFGC®	
B36.10M—(R2015)	Welded and Seamless Wrought-steel Pipe	IFGC®	

B36.10M—2018 BPVC—2015 <u>BPVC—2019</u>	ASME Boiler & Pressure Vessel Code (2007 Edition)	IFC® IMC®	IFGC® IRC®
CSD-1—2016 <u>CSD-1—2021</u>	Controls and Safety Devices for Automatically Fired Boilers	IFGC® IRC®	IMC®

ASTM	ASTM International		
Standard Reference Number	Title	Referenced in Code(s):	
A53/A53M—12 <u>A53M—2018</u>	Specification for Pipe, Steel, Black and Hot Dipped Zinc-coated Welded and Seamless	IFGC® IPC®	IMC® IRC®
A106/A106M—14 <u>A106M—2018</u>	Specification for Seamless Carbon Steel Pipe for High-temperature Service	IFGC® IRC®	IMC®
A254—12 <u>A254—2010(2018)</u>	Specification for Copper Brazed Steel Tubing	IFGC® IRC®	IMC®
A268—10 <u>A268/A268—2010(16)</u>	Standard Specification for Seamless and Welded Ferritic and Martensitic Stainless Steel Tubing for General Service	IFGC®	
A269—15 <u>A269/A269M—2015A</u>	Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service	IFGC®	
A312—15 <u>A312/A312M—2018</u>	Standard Specification for Seamless, Welded and Heavily Cold Worked Austenitic Stainless Steel Pipes	IFGC®	
B88—14 <u>B88—2016</u>	Specification for Seamless Copper Water Tube	IBC® IFGC® IPC® IRC®	IFC® IMC® IPSDC® ISPSC®
B241/B241M—12 <u>B241M—2016</u>	Specification for Aluminum and Aluminum-alloy, Seamless Pipe and Seamless Extruded Tube	IFGC®	
B280—13 <u>B280—2018</u>	Standard Specification for Seamless Copper Tube for Air-Conditioning and Refrigeration Field Service	IBC® IFGC®	IFC® IMC®
C315—07 <u>C315—2007(2011, 2016)</u>	Specification for Clay Flue Liners and Chimney Pots	IBC® IMC®	IFGC® IRC®
D2513—14 <u>D2513—2018A</u>	Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing and Fittings	IFGC®	
E136—16 <u>E136—2016A</u>	Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 °C	IBC® IFGC® IWUIC®	IEBC® IMC®
F1973—13 <u>F1973—2013(2018)</u>	Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA11) and Polyamide 12 (PA12) Fuel Gas Distribution Systems	IFGC®	IRC®
F2945—15 <u>F2945—2018</u>	Standard Specification for Polyamide 11 Gas Pressure Pipe, Tubing and Fittings	IFGC®	

CGA	Compressed Gas Association		
Standard Reference Number	Title	Referenced in Code(s):	
S-1.1—(2017, 2011)	Pressure Relief Device Standards—Part 1—Cylinders for Compressed Gases	IFC®	IFGC®
S-1.3—(2016, 2008)	Pressure Relief Device Standards—Part 3—Stationary Storage Containers for Compressed Gases	IFC®	IFGC®

CSA	CSA Group		
Standard Reference Number	Title	Referenced in Code(s):	

MSS	Manufacturers Standardization Society of the Valve and Fittings Industry
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Standard Reference Number	Title	Referenced in Code(s):
ANSI SP 58—2009 58—2018	Pipe Hangers and Supports—Materials, Design and Manufacture	IFGC®

NFPA	National Fire Protection Association
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Standard Reference Number	Title	Referenced in Code(s):
2—16 2—19	Hydrogen Technologies Code	IFGC® IMC®
30A—18 30A—21	Code for Motor Fuel Dispensing Facilities and Repair Garages	IBC® IFC® IFGC® IMC®
58—17	Liquefied Petroleum Gas Code	IBC® IFC® IFGC® IMC® IRC®
82—14 82—19	Incinerators, Waste and Linen Handling Systems and Equipment	IBC® IFGC® IMC®
85—15 85—19	Boiler and Combustion Systems Hazards Code	IBC® IFC® IFGC® IMC® IRC®
88A—15 88A—19	<u>Standard for Parking Structures</u>	IFGC®
211—16 211—19	Standard for the Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances	IBC® IFC® IFGC® IMC® IRC®
853—15 853—20	<u>Standard Installation of Stationary Fuel Cell Power Systems</u>	IFC® IFGC® IMC® IRC®

UL	UL LLC
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Standard Reference Number	Title	Referenced in Code(s):
103—2010	Factory-built Chimneys, Residential Type and Building Heating Appliances— with Revisions through July 2012 <u>March 2017</u>	IBC® IFGC® IMC® IRC®
127—2011	Factory-built Fireplaces—with Revisions through May 2015 <u>July 2016</u>	IBC® IFGC® IMC® IRC®
378—2006	Draft Equipment <u>Equipment with revisions through September 2013</u>	IFGC®
441—2010 441—2016	Gas Vents—with Revisions through June 2014 <u>July 2016</u>	IFGC®
641—2010	Type L Low-temperature Venting Systems—with Revisions through June 2013 <u>April 2018</u>	IBC® IFGC® IMC® IRC®
651—2011	Schedule 40, 80, Type EB and 80-A Rigid PVC Conduit and Fittings—with Revisions through May 2014 <u>June 2016</u>	IFGC® IRC®
795—2011 795—2016	Commercial industrial Commercial-Industrial Gas Heating Equipment—with Revisions through November 2013 <u>Equipment</u>	IFGC® IRC®
1618—09 1618—2015	Wall Protectors, Floor Protectors and Hearth Extensions—with Revisions through October 2015 <u>January 2018</u>	IFGC® IMC® IRC®
1738—2010	Venting Systems for Gas Burning Appliances, Categories II, III and IV—with Revisions through November 2014 <u>IV</u>	IFGC® IRC®

1777—2007 Chimney Liners—with Revisions through ~~October 2015~~ April 2014

IBC® IFGC®
IMC®

2200—2012 Stationary Engine Generator Assemblies—with Revisions through ~~July~~ October 2015

IBC® IFC®
IFGC® IMC®

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE FOR THE IFGC.

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standard developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5804

ADM47-IFGC-19

ADM47-IPMC-19

Chapter 8

Chapter 8

ASME	American Society of Mechanical Engineers			
Standard Reference Number	Title	Referenced in Code(s):		
ASME A17.1—2016 <u>A17.1—2019/CSA B44—16</u> B44—16 <u>B44—19</u>	Safety Code for Elevators and Escalators	IEBC®	IECC	
		IFC®	IPMC®	
		IRC®		
ASTM	ASTM International			
Standard Reference Number	Title	Referenced in Code(s):		
F1346—91 (2010 <u>2018</u>)	Performance Specifications for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs	IPMC®		
NFPA	National Fire Protection Association			
Standard Reference Number	Title	Referenced in Code(s):		
10—17 <u>10—21</u>	Standard for Portable Fire Extinguishers	IPMC®		
12—15 <u>12—18</u>	Standard on Carbon Dioxide Extinguishing Systems	IBC®	IFC®	
		IPMC®		
12A—15 <u>12A—18</u>	Standard on Halon 1301 Fire Extinguishing Systems	IBC®	IFC®	
		IPMC®		
17—17 <u>17—20</u>	Standard for Dry Chemical Extinguishing Systems	IBC®	IFC®	
		IPMC®		
17A—17 <u>17A—20</u>	Standard for Wet Chemical Extinguishing Systems	IBC®	IFC®	
		IPMC®		
25—17 <u>25—20</u>	Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems	IFC®	IPMC®	
72—16 <u>72—19</u>	National Fire Alarm and Signaling Code	IBC®	IFC®	
		IMC®	IPMC®	
		IRC®		
80—16 <u>80—19</u>	Standard for Fire Doors and Other Opening Protectives	IBC®	IFC®	
		IPMC®		
105—16 <u>105—19</u>	Standard for Smoke Door Assemblies and Other Opening Protectives	IBC®	IFC®	
		IPMC®		
204—15 <u>204—18</u>	Standard for Smoke and Heat Venting	IFC®	IPMC®	
750—14 <u>750—19</u>	Standard on Water Mist Fire Protection Systems	IPMC®		
2001—15 <u>2001—18</u>	Standard on Clean Agent Fire Extinguishing Systems	IBC®	IFC®	
		IPMC®		
UL	Underwriters Laboratories, LLC			
Standard Reference Number	Title	Referenced in Code(s):		
268—09 <u>268—2016</u>	Smoke Detectors for Fire Alarm Systems Systems <u>Systems with revisions through July 2016</u>	IBC®	IFC®	
		IPMC®		

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE FOR THE IPMC.

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standard developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5789

ADM47-IPMC-19

ADM47-IPSDC-19

Chapter 14

ASTM	ASTM International
Standard Reference Number	Title Referenced in Code(s):
A74—15 <u>A74—17</u>	Specification for Cast Iron Soil Pipe and Fittings IPC® IPSDC® IRC®
A888—15 <u>A888—18</u>	Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Application IPC® IPSDC® IRC®
B88—14 <u>B88—16</u>	Specification for Seamless Copper Water Tube IBC® IFC® IFGC® IMC® IPC® IPSDC® IRC® ISPSC®
B251—10 <u>B251/B251M—2017</u>	Specification for General Requirements for Wrought Seamless Copper and Copper-alloy Tube IBC® IFC® IMC® IPC® IPSDC® IRC®
B813—10 <u>B813—2016</u>	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper-alloy Tube IMC® IPC® IPSDC® IRC®
B828—02(2010) <u>B828—2016</u>	Practice for Making Capillary Joints by Soldering of Copper and Copper-alloy Tube and Fittings IMC® IPC® IPSDC® IRC®
C4—04 <u>C4—2004(2014 2018)</u>	Specification for Clay Drain Tile and Perforated Clay Drain Tile IPC® IPSDC® IRC®
C76—15A <u>C76—2018A</u>	Specification for Reinforced Concrete Culvert, Storm Drain and Sewer Pipe IPC® IPSDC® IRC®
C425—04 <u>C425—2004(2013 2018)</u>	Specification for Compression Joints for Vitrified Clay Pipe and Fittings IPC® IPSDC® IRC®
C443—12 <u>C443—2012(2017)</u>	Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets IPC® IPSDC® IRC®
C700—13 <u>C700—2018</u>	Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength and Perforated IPC® IPSDC® IRC®
C1173—10(2014) <u>C1173—2018</u>	Specification for Flexible Transition Couplings for Underground Piping Systems IPC® IPSDC® IRC®
C1277—15 <u>C1277—2018</u>	Specification for Shielding Coupling Joining Hubless Cast-iron Pipe and Fittings IPC® IPSDC® IRC®
C1440—08(2013) <u>C1440—2017</u>	Specification for Thermoplastic Elastomeric (TPE) Gasket Materials for Drain, Waste and Vent (DWV), Sewer, Sanitary and Storm Plumbing Systems IPC® IPSDC® IRC®
C1460—2012 <u>C1460—2017</u>	Specification for Shielded Transition Couplings for Use with Dissimilar DWV Pipe and Fittings Above Ground IPC® IPSDC® IRC®
C1461—08 <u>C1461—2008(2013 2017)</u>	Specification for Mechanical Couplings Using Thermoplastic Elastomeric (TPE) Gaskets for Joining Drain, Waste and Vent (DWV) Sewer, Sanitary and Storm Plumbing Systems for Above and Below Ground Use IPC® IPSDC® IRC®
D2235—04 <u>D2235—2004(2011 2016)</u>	Specification for Solvent Cement for Acrylonitrile-butadiene-styrene (ABS) Plastic Pipe and Fittings IMC® IPC® IPSDC® IRC®
D2564—12 <u>D2564—2012(2018)</u>	Specification for Solvent Cements for Poly Vinyl Chloride (PVC) Plastic Piping Systems IMC® IPC® IPSDC® IRC®
D2657—07 <u>D2657—2007(2015)</u>	Standard Practice for Heat-fusion Joining of Polyolefin Pipe and Fittings IMC® IPC® IPSDC® IRC®
D2661—14 <u>D2661—14E1</u>	Specification for Acrylonitrile-butadiene-styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings IPC® IPSDC® IRC®
D2665—14 <u>D2665—2014</u>	Specification for Poly Vinyl Chloride (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings IPC® IPSDC® IRC®

D2729 11 <u>D2729</u> —2017	Specification for Poly Vinyl Chloride (PVC) Sewer Pipe and Fittings	IPC® IRC®	IPSDC®
D2855 96(2010) <u>D2855</u> —2015	Standard Practice for Making Solvent-cemented Joints with Poly Vinyl Chloride (PVC) Pipe and Fittings	IPC® IRC®	IPSDC®
D3034 14a <u>D3034</u> —2016	Specification for Type PSM Poly Vinyl Chloride (PVC) Sewer Pipe and Fittings	IPC® IRC®	IPSDC®
F628 12E+ <u>F628</u> —2012E2	Specification for Acrylonitrile-butadiene-styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe with a Cellular Core	IPC® IRC®	IPSDC®
F656 15 <u>F656</u> —2015	Specification for Primers for Use in Solvent Cement Joints of Poly Vinyl Chloride (PVC) Plastic Pipe and Fittings	IPC® IRC®	IPSDC®
F891 10 <u>F891</u> —2016	Specification for Coextruded Poly Vinyl Chloride (PVC) Plastic Pipe with a Cellular Core	IPC® IRC®	IPSDC®
F1488 14 <u>F1488</u> —2014E1	Specification for Coextruded Composite Pipe	IPC® IRC®	IPSDC®
F1499 12 <u>F1499</u> —2017	Specification for Coextruded Composite Drain Waste and Vent Pipe (DWV)	IPSDC®	

CISPI	Cast Iron Soil Pipe Institute		
Standard Reference Number	Title	Referenced in Code(s):	
301 12 <u>301</u> —18	Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications	IPC® IRC®	IPSDC®
310 12 <u>310</u> —18	Specification for Coupling for Use in Connection with Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste and Vent Piping Applications	IPC® IRC®	IPSDC®

CSA	CSA Group		
Standard Reference Number	Title	Referenced in Code(s):	
B137.3 16 <u>B137.3</u> —17	Rigid Poly Vinyl Chloride (PVC) Pipe for Pressure Applications	IMC® IPSDC® ISPSC®	IPC® IRC®
B181.1 15 <u>B181.1</u> —18	Acrylonitrile-butadiene-styrene (ABS) Drain, Waste, and Vent Pipe and Pipe Fittings	IPC® IRC®	IPSDC®
B181.2 15 <u>B181.2</u> —18	(PVC) Polyvinylchloride and Chlorinated Polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings	IPC® IRC®	IPSDC®
B182.1 11 <u>B182.1</u> —18	Plastic Drain and Sewer Pipe and Pipe Fittings	IPC®	IPSDC®
B182.2 11 <u>B182.2</u> —18	(PVC) Polyvinylchloride Sewer Pipe and Fittings PSM Type	IPC® IRC®	IPSDC®
B182.4 15 <u>B182.4</u> —18	Profile PVC Sewer Pipe and Fittings	IPC® IRC®	IPSDC®
B602 15 <u>B602</u> —16	Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe	IPC® IRC®	IPSDC®

NSF	NSF International		
Standard Reference Number	Title	Referenced in Code(s):	
40 2013 <u>40</u> —2018	Residential Wastewater Treatment Systems	IPSDC®	
41 2011 <u>41</u> —2016	Nonliquid Saturated Treatment Systems (Composing Toilets)	IPSDC®	IRC®

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE-IPSDC.

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to

each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standards developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5792

ADM47-IPSDC-19

ADM47-ISPSC-19

Chapter 11

AHRI	Air Conditioning, Heating & Refrigeration Institute			
Standard Reference Number	Title		Referenced in Code(s):	
1160 (I-P)—2014	Performance Rating of Heat Pump Pool Heaters <u>(with Addendum 1)</u>		ISPSC®	
ANSI	American National Standards Institute			
Standard Reference Number	Title		Referenced in Code(s):	
A108/A118/A136.1—2008 <u>A136.1—2019</u>	Specifications for Installation of Ceramic Tile		ISPSC®	
APSP	The Association of Pool & Spa Professionals			
Standard Reference Number	Title		Referenced in Code(s):	
ANSI/APSP/ICC 4—12.4—2019	American National Standard for Aboveground/Onground Residential Swimming Pools—Includes Addenda A Approved April 4, 2013		ISPSC®	
ANSI/APSP/ICC 7—13.7—2020	American National Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Catch Basins		ISPSC®	
ANSI/APSP/ICC 14—2014 <u>14—2019</u>	American National Standard for Portable Electric Spa Energy Efficiency		IECC IRC®	IECC ISPSC®
ANSI/APSP/ICC 15a—2011	American National Standard for Energy Efficiency Residential Inground Swimming Pool and Spas—Includes Addenda A Approved January 9, 2013 <u>Spa Energy Efficiency</u>		IECC IRC®	IECC ISPSC®
ANSI/APSP/ICC 16—11.16—2017	American National Standard for Suction Outlet Fittings <u>(SOFA)</u> for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs		ISPSC®	
ASCE/SEI	American Society of Civil Engineers Structural Engineering Institute			
Standard Reference Number	Title		Referenced in Code(s):	
ASCE 24—14.24—20	Flood Resistant Design & Construction		ISPSC®	
ASME	American Society of Mechanical Engineers			
Standard Reference Number	Title		Referenced in Code(s):	
A112.1.2—2012 <u>(R2022)</u>	Air Gaps in Plumbing Systems (For Plumbing Fixtures and Water-connected Receptors)		IPC® ISPSC®	IRC®
ASTM	ASTM International			
Standard Reference Number	Title		Referenced in Code(s):	
A182—15 <u>A182/A182M—2018A</u>	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-temperature Service		ISPSC®	
A240/A240M—15a <u>A240M—17</u>	Standard Specification for Chromium and Chromium-nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications		IBC® ISPSC®	IRC®

A312/A312M—15A <u>A312M—2018</u>	Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes	IPC® ISPSC®	IRC®
A403—15 <u>A403/A403M—2018A</u>	Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings	ISPSC®	
B88—14 <u>B88—2016</u>	Standard Specification for Seamless Copper Water Tube	IBC® IFGC® IPC® IRC®	IFC® IMC® IPSDC® ISPSC®
D1785—15 <u>D1785—15E1</u>	Specification for Poly Vinyl Chloride (PVC) Plastic Pipe, Schedules 40, 80 and 120	IMC® IRC®	IPC® ISPSC®
D2466—15 <u>D2466—2017</u>	Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40	IMC® IRC®	IPC® ISPSC®
D2846/D2846M—14 <u>D2846M—2017BE1</u>	Standard Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems	IMC® IRC®	IPC® ISPSC®
F438—15 <u>F438—2017</u>	Standard Specification for Socket-type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40	IMC® IRC®	IPC® ISPSC®
F1346—91 <u>F1346—1991(2010, 2018)</u>	Standard Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs	ISPSC®	

CSA	CSA Group
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Standard Reference Number	Title	Referenced in Code(s):	
B137.2—16 <u>B137.2—17</u>	Polyvinylchloride (PVC) Injection-moulded Gasketed Fittings for Pressure Application	IMC® IRC®	IPC® ISPSC®
B137.3—16 <u>B137.3—17</u>	Rigid Polyvinylchloride (PVC) Pipe and Fitting and Pressure Applications	IMC® IPSDC® ISPSC®	IPC® IRC®
B137.6—16 <u>B137.6—17</u>	Chlorinated Polyvinylchloride (CPVC) Pipe, Tubing, and Fitting for Hot- and Cold-water Distribution Systems	IMC® IRC®	IPC® ISPSC®
C22.2 No. 218.1—13(R2017)	Spas, Hot Tubs and Associated Equipment	ISPSC®	

NSF	NSF International
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Standard Reference Number	Title	Referenced in Code(s):	
NSF 14—2015 <u>14—2017</u>	Plastics Pumping Systems Components and Related Materials	ISPSC®	
NSF 50—2015 <u>50—2017</u>	Equipment and Chemicals for Swimming Pools, Spas, Hot Tubs, and Other Recreational Water Facilities	ISPSC®	

UL	UL LLC
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Standard Reference Number	Title	Referenced in Code(s):	
1004-1—12	Standard for Rotating Electrical Machines General Requirements—with revisions through June 2011 <u>August 2018</u>	ISPSC®	
1081—2008 <u>1081—2016</u>	Standard for Swimming Pool Pumps, Filters and Chlorinators—with revisions through March 2014 <u>October 2017</u>	ISPSC®	
1261—2001 <u>1261—2016</u>	Standard for Electric Water Heaters for Pools and Tubs—with revisions through July 2012 <u>September 2017</u>	ISPSC®	
1563—2009	Standard for Electric Hot Tubs, Spas Electric Spas Equipment Assemblies, and Associated Equipment—with revisions through March 2015 <u>October 2017</u>	IMC® ISPSC®	IRC®
1995—2011 <u>1995—2015</u>	Heating and Cooling Equipment—with revisions through July 2015 <u>August 2018</u>	IMC®	IRC®

2017—2008

General-purpose Signaling Devices and Systems—with revisions through ~~May 2011~~
January 2016

ISPSC®

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE-ISPSC

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standards developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5791

ADM47-ISPSC-19

ADM47-IWUIC-19

Chapter 7

ASTM		ASTM International	
Standard Reference Number	Title	Referenced in Code(s):	
D2898—10 <u>D2898—2010(2017)</u>	Standard Test Methods for Accelerated Weathering of Fire-retardant-treated Wood for Fire Testing	IBC® IWUIC®	IRC®
D6662—13 <u>D6662—2017</u>	Standard Specification for Polyolefin-based Plastic Lumber Decking Boards	IWUIC®	
D7032—14 <u>D7032—2017</u>	Standard Specification for Establishing Performance Ratings for Wood-plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails)	IBC® IWUIC®	IRC®
E84—2016 <u>E84—2018B</u>	Standard Test Method for Surface-Burning Characteristics of Building Materials	IEBC® IMC® IWUIC®	IFC® IRC®
E108—16 <u>E108—2017</u>	Standard Test Methods for Fire Tests of Roof Coverings	IBC® IWUIC®	IEBC®
E119—2016 <u>E119—2018B</u>	Standard Test Methods for Fire Tests of Building Construction and Materials	IMC® IWUIC®	IRC®
E136—16 <u>E136—2016A</u>	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C	IBC® IFGC® IWUIC®	IEBC® IMC®
E2768—2011 <u>(2018)</u>	Standard Test Method for Extended Duration Surface Burning Characteristics of Building Materials (30 Minute Tunnel Test)	IWUIC®	

UL		UL LLC	
Standard Reference Number	Title	Referenced in Code(s):	
263—2011	Standard for Fire Test of Building Construction and Materials—with Revisions through June 2015 <u>March 2018</u>	IMC® IWUIC®	IRC®
723—2008 <u>723—2018</u>	Standard for Test for Surface Burning Characteristics of Building Materials—with Revisions through August 2013 <u>Materials</u>	IBC® IWUIC®	IMC®
790—2004	Standard Test Methods for Fire Tests of Roof Coverings—with Revisions through July 2014 <u>October 2018</u>	IWUIC®	

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE FOR THE IWUIC.

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standards developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5790

ADM47-IWUIC-19

ADM47-IECC-C-19

Chapter 6

AHAM		Association of Home Appliance Manufacturers	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/AHAM RAC-1—2008 RAC-1—2015	Room Air Conditioners	IECC	
AHRI		Air-Conditioning, Heating, & Refrigeration Institute	
Standard Reference Number	Title	Referenced in Code(s):	
210/240—2016 240—2017	Performance Rating of Unitary Air-conditioning and Air-source Heat Pump Equipment	IECC	
310/380—2014 380—2017 (CSA-C744-04 CSA-C744-17)	Standard for Packaged Terminal Air Conditioners and Heat Pumps	IECC	
390 (I-P)— 2015 —2003	Performance Rating of Single Package Vertical Air-conditioners and Heat Pumps	IECC	
550/590 (I-P)— 2015 —2018	Performance Rating of Water-chilling and Heat Pump Water-heating Packages Using the Vapor Compression Cycle	IECC	
1160 (I-P) —2014	Performance Rating of Heat Pump Pool Heaters <u>(with Addendum 1)</u>	IECC	
ISO/AHRI/ASHRAE 13256-1 (2017 2012)	Water-to-Air and Brine-to-Air Heat Pumps—Testing and Rating for Performance	IECC	IECC
ISO/AHRI/ASHRAE 13256-2 (2017 2012)	Water-to-Water and Brine-to-Water Heat Pumps —Testing and Rating for Performance	IECC	IECC
AMCA		Air Movement and Control Association International	
Standard Reference Number	Title	Referenced in Code(s):	
205—12 205—19	Energy Efficiency Classification for Fans	IECC	
220—08 (R2012) 220—19	Laboratory Methods of Testing Air Curtain Units for Aerodynamic Performance Rating	IECC	
500D—12 500D—18	Laboratory Methods for Testing Dampers for Rating	IECC	
ANSI		American National Standards Institute	
Standard Reference Number	Title	Referenced in Code(s):	
Z21.10.3/CSA 4.3—11 4.3— 2017	Gas Water Heaters, Volume III—Storage Water Heaters with Input Ratings Above 75,000 Btu per Hour, Circulating Tank and Instantaneous	IECC	IRC®
Z21.47/CSA 2.3—12 2.3— 2016	Gas-fired Central Furnaces	IECC	IRC®
Z83.8/CSA 2.6—09 2.6— 2016	Gas Unit Heaters, Gas Packaged Heaters, Gas Utility Heaters, and Gas-fired Duct Furnaces	IECC	IRC®
APSP		The Association of Pool & Spa Professionals	
Standard Reference Number	Title	Referenced in Code(s):	
14—2014 14—2019	American National Standard for Portable Electric Spa Energy Efficiency	IECC	

ASHRAE		ASHRAE	
Standard Reference Number	Title	Referenced in Code(s):	
ASHRAE 127-2007 <u>127-2012</u>	Method of Testing for Rating Computer <u>and Data Processing Room Unitary Air Conditioners</u>	IECC	
ANSI/ASHRAE/ACCA Standard 183-2007 <u>183-2014</u> <u>RA2017</u>	Peak Cooling and Heating Load Calculations in Buildings, Except Low-rise Residential Buildings	IECC	
ASHRAE 2016 <u>ASHRAE-2020</u>	ASHRAE HVAC Systems and Equipment Handbook <u>Handbook-2020</u>	IECC	
ISO/AHRI/ASHRAE 13256-1 (2017 <u>2012</u>)	Water-to-Air and Brine-to-Air Heat Pumps—Testing and Rating for Performance	IECC	IECC
ISO/AHRI/ASHRAE 13256-2 (2017 <u>2012</u>)	Water-to-Water and Brine-to-Water Heat Pumps—Testing and Rating for Performance	IECC	IECC
55-2013 <u>55-2017</u>	Thermal Environmental Conditions for Human Occupancy	IECC	
90.1-2016 <u>90.1-2019</u>	Energy Standard for Buildings Except Low-rise Residential Buildings	IECC	
ASME		American Society of Mechanical Engineers	
Standard Reference Number	Title	Referenced in Code(s):	
ASME A17.1-2016 <u>A17.1-2019</u> <u>CSA B44-16</u> <u>B44-19</u>	Safety Code for Elevators and Escalators	IEBC® IFC® IRC®	IECC IPMC®
ASTM		ASTM International	
Standard Reference Number	Title	Referenced in Code(s):	
C90-14 <u>C90-2016A</u>	Specification for Load-bearing Concrete Masonry Units	IBC® IRC®	IECC
C1549-09 (2014) <u>C1549-2016</u>	Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer	IECC	
E283-04 <u>E283-2004</u> (2012)	Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen	IBC® IECC	IECC IRC®
E779-10 (<u>2018</u>)	Standard Test Method for Determining Air Leakage Rate by Fan Pressurization	IECC IRC®	IECC
E903-12 <u>E903-2012</u>	Standard Test Method Solar Absorptance, Reflectance and Transmittance of Materials Using Integrating Spheres (Withdrawn 2005)	IECC	
E1827-11 <u>E1827-2011</u> (2017)	Standard Test Methods for Determining Airtightness of Building Using an Orifice Blower Door	IECC IRC®	IECC
E1918-06 (2015) <u>E1918-2016</u>	Standard Test Method for Measuring Solar Reflectance of Horizontal or Low-sloped Surfaces in the Field	IECC	
E2357-11 <u>E2357-2018</u>	Standard Test Method for Determining Air Leakage of Air Barriers Assemblies	IECC	
CRRC		Cool Roof Rating Council	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/CRRC-S100-2016 <u>CRRC-S100 (2020)</u>	Standard Test Methods for Determining Radiative Properties of Materials	IECC	

CTI		Cooling Technology Institute	
Standard Reference Number	Title	Referenced in Code(s):	
STD-201-11 STD-201RS(17)	Standard for Certification of Water Cooling Towers Thermal Performances	IECC	
DASMA		Door & Access Systems Manufacturers Association, International	
Standard Reference Number	Title	Referenced in Code(s):	
105-2016 105-2017	Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors	IECC IRC®	IECC
IES		Illuminating Engineering Society	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/ASHRAE/IESNA 90-1-2016 90.1-2019	Energy Standard for Buildings, Except Low-rise Residential Buildings	IECC	
ISO		International Organization for Standardization	
Standard Reference Number	Title	Referenced in Code(s):	
ISO/AHRI/ASHRAE 13256-1 (2017 2012)	Water-to-Air and Brine-to-Air Heat Pumps -Testing and Rating for Performance	IECC	
ISO/AHRI/ASHRAE 13256-2 (2017 2012)	Water-to-Water and Brine-to-Water Heat Pumps -Testing and Rating for Performance	IECC	
NEMA		National Electrical Manufacturers Association	
Standard Reference Number	Title	Referenced in Code(s):	
MG1-2014 MG1-2016	Motors and Generators	IECC	
NFRC		National Fenestration Rating Council, Inc.	
Standard Reference Number	Title	Referenced in Code(s):	
100-2017 100-2020	Procedure for Determining Fenestration Products U-factors	IECC IRC®	IECC
200-2017 200-2020	Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence	IECC IRC®	IECC
400-2017 400-2020	Procedure for Determining Fenestration Product Air Leakage	IECC IRC®	IECC
UL		UL LLC	
Standard Reference Number	Title	Referenced in Code(s):	
710-12	Exhaust Hoods for Commercial Cooking Equipment—with Revisions through November 2019 <u>June 2018</u>	IECC	
		IECC	IMC®

727-06_727-2018	Oil-fired Central Furnaces—with Revisions through October 2013 <u>Furnaces</u>	IRC®	
731-95_731-2018	Oil-fired Unit Heaters—with Revisions through October 2013 <u>Heaters</u>	IECC	IMC®
1784-01_1784-2015	Air Leakage Tests of Door Assemblies—with Revisions through February 2015 <u>Assemblies</u>	IBC®	IECC

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE FOR THE IECC-C.

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standards developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5794

ADM47-IECC-C-19

ADM47-IECC-R-19

Chapter 6

ACCA		Air Conditioning Contractors of America	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/ACCA 2 Manual J—16	Residential Load Calculation—Eighth Edition	IECC	
ANSI/ACCA 3 Manual S—14	Residential Equipment Selection	IECC	
APSP		The Association of Pool & Spa Professionals	
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/APSP/ICC 14—2014 14—2019	American National Standard for Portable Electric Spa Energy Efficiency	IECC	IECC
ANSI/APSP/ICC 15a—2011 15—2020	American National Standard for Residential Swimming Pool and Spa Energy Efficiency —includes Addenda A Approved January 9, 2019 Efficiency	IRC®	ISPSC®
ASHRAE		ASHRAE	
Standard Reference Number	Title	Referenced in Code(s):	
ASHRAE—2017 ASHRAE— 2021	ASHRAE Handbook of Fundamentals	IECC	IMC®
		IRC®	
ASTM		ASTM International	
Standard Reference Number	Title	Referenced in Code(s):	
E283—04 E283— 2004 (2012)	Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen	IBC®	IECC
E779—10 E779— 2010 (2018)	Standard Test Method for Determining Air Leakage Rate by Fan Pressurization	IECC	IRC®
E1827—11 E1827— 2011 (2017)	Standard Test Methods for Determining Airtightness of Building Using an Orifice Blower Door	IECC	IECC
		IRC®	
DASMA		Door & Access Systems Manufacturers Association	
Standard Reference Number	Title	Referenced in Code(s):	
105—2016 105—2017	Test Method for Thermal Transmittance and Air Infiltration of Garage Doors and Rolling Doors	IECC	IECC
		IRC®	
HVI		Home Ventilating Institute	
Standard Reference Number	Title	Referenced in Code(s):	
916—09 916—18	Airflow Test Procedure	IECC	IRC®
NFRC		National Fenestration Rating Council, Inc.	
Standard Reference Number	Title	Referenced in Code(s):	

100—2017_100—2020	Procedure for Determining Fenestration Products U-factors	IECC IRC®	IECC
200—2017_200—2020	Procedure for Determining Fenestration Product Solar Heat Gain Coefficients and Visible Transmittance at Normal Incidence	IECC IRC®	IECC
400—2017_400—2020	Procedure for Determining Fenestration Product Air Leakage	IECC IRC®	IECC

RESNET	Residential Energy Services Network, Inc.		
Standard Reference Number	Title	Referenced in Code(s):	
ANSI/RESNET/ICC 301—2014_301—2019	Standard for the Calculation and Labeling of the Energy Performance of Low-rise Residential Buildings Dwelling and Sleeping Units using an Energy Rating Index-First Published March 7, 2014—Republished January 2016	IECC IRC®	IECC
ANSI/RESNET/ICC 380—2016_380—2019	Standard for Testing Airtightness for Building Enclosures, of Building, Dwelling Unit and Sleeping Unit Enclosures: Airtightness of Heating and Cooling Air Distribution Systems, and Airflow of Mechanical Ventilation Systems—Republished January 2016 Systems	IECC IRC®	IECC

UL	UL LLC		
Standard Reference Number	Title	Referenced in Code(s):	
127—11_127—2011	Standard for Factory-Built Fireplaces—with Revisions through May 2015 <u>Factory-built Fireplaces—with revisions through July 2016</u>	IECC	
515—11_515—2015	Electrical Resistance Heat Tracing for Commercial and Industrial Applications—including Revisions through July 2015	IECC	

Reason: THIS IS THE ADMIN STANDARDS UPDATE CODE CHANGE FOR THE IECC-R.

The CP28 Code Development Policy, Section 4.6 requires the updating of referenced standards to be accomplished administratively, and be processed as a Code Change Proposal for consideration by the Administrative Code Change Committee. In September 2018, a letter was sent to each developer of standards that is referenced in the International Codes, asking them to provide ICC with a list of their standards in order to update to the current edition. Listed are the referenced standards that are to be updated based upon responses received from standard developers.

Cost Impact: The code change proposal will not increase or decrease the cost of construction
Not applicable.

Proposal # 5802

ADM47-IECC-R-19