ADM3-13
IEBC [A] 101.2

Proposed Change as Submitted

Proponent: Jerry R. Tepe, FAIA, JRT•AIA ARCHITECT, representing The American Institute of Architects

Revise the International Existing Building Code as follows:

IEBC [A] 101.2 Scope. The provisions of the *International Existing Building Code* shall apply to the *repair, alteration, change of occupancy, addition* 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 and not required to comply with the International Existing Building Code.

Reason: The IEBC was never intended to apply to one- and two-family dwellings and townhouses, yet there is often confusion due to the broad definition of existing buildings. The IEBC started with the requirements currently found in Chapter 34 of the IBC which obviously applies only to commercial buildings. The IRC does have an Appendix J which sets requirements for similar changes to these residential buildings. The intent of this change is to only clarify the scope of the IEBC and eliminate any confusion. The proposed language is taken from the IBC but does not specifically require compliance with the IRC as appendices are optional and must be adopted to be applicable.

Cost Impact: None.

[A] 101.2-ADM (IEBC)-TEPE

Committee Action Hearing Results

HEARD BY THE IEBC COMMITTEE
Committee Action: **Disapproved**

The following is errata that was not posted to the ICC website.

Revise the proposal as follows:

IEBC [A] 101.2 Scope. The provisions of the *International Existing Building Code* shall apply to the *repair, alteration, change of occupancy, addition* 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 ~~and~~ are not required to comply with the International Existing Building Code.

Committee Reason: The IEBC does have provisions that apply buildings covered in the IRC. The IEBC also includes an appendix specific to housing, so this exception would not be appropriate. The IRC also references the IEBC, so if the IRC is intended to include separate existing building criteria this issue needs to be much more broadly addressed.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Jerry R. Tepe, FAIA, JRT-AIA Architect, representing American Institute of Architects, requests Approval as Submitted.

Commenter's Reason: With respect to the committee, the published reasons for disapproval are all erroneous:

1. "The IEBC does have provisions that apply buildings covered in the IRC."
   The few references are generally exceptions to structural and energy provisions and code or adding the IRC to the IBC listing; correlation can remove these if this proposal is accepted. Most of these references were added late in the drafting process or have been recently added, in my opinion, in the mistaken idea that the IEBC was intended to apply to one- and two-family residences and townhouses. Most, if not all, are contained in Appendix J of the IRC.
   If this proposal is not accepted, there are numerous other sections of the IEBC that would require similar exceptions and/or additions to make it truly a complete code pertaining to one- and two-family residences and townhouses.
2. "The IEBC also includes an appendix specific to housing, so this exception would not be appropriate."
   I assume the referenced appendix is B103 for supplementary accessibility requirements for dwelling units and sleeping units. This is only for communication devices and refers back to requirements of the IBC, not the IRC. Accessibility is generally not required in one- and two-family residences.
3. "The IRC also references the IEBC."
   Not that a word search can find nor is it included in Chapter 44, Referenced Standards.

One opponent stated "If a jurisdiction has IEBC but did not have IRC, if the exception went in, you would have nothing." I assert that if a jurisdiction does not adopt the IRC, using the IEBC for requirements for existing one-and two-family residences and townhouses seems to be a hidden method of code enforcement. If a jurisdiction has concerns for one- and two-family residences and townhouses, they can and probably should adopt the IRC and Appendix J. As the opponent states, existing buildings would be required to comply with provisions of the IRC, while new construction would not.

Another opponent spoke about IRC Appendix J not being well accepted. That is why the proposed exception does not mandate compliance with the IRC and/or Appendix J, only that the IEBC is not applicable to one- and two-family residences and townhouses. A jurisdiction would need to specifically adopt the appendix as well as the IRC for this to be applicable. If Appendix J is not well accepted, as noted above, the use of the IEBC becomes a hidden method of code enforcement as many of the requirements are the same or similar.

Unlike the IBC, the IRC does not reference the IEBC for existing buildings. In Chapter 34 of the IBC (soon to be removed), the IEBC is referenced as an alternative means of compliance (§3401.6). Additionally, the administrative provisions of the IRC do not reference the IEBC (§R102.4 and §R102.7).

It has long been the ICC position that requirements for one- and two-family residences and townhouses should all be contained in the IRC, therefore, to me, this proposal and the correlation changes, follows that concept.

ADM3-13

Final Action: AS AM AMPC____ D

ADM5-13, Part I

PART I - IBC: 202; IFC: 202; IPMC: [A] 102.2, [A] 102.3, [A] 103.2, [A] 104.2, [A] 105.6, [A] 106.2, [A] 106.3, [A] 106.4, [A] 106.5, [A] 107.1, [A] 107.3, [A] 107.4, [A] 107.5(New), [A] 108.1, [A] 108.1.2, [A] 108.1.3, [A] 108.1.5, [A] 108.2, [A] 108.3, [A] 108.4, [A] 108.4.1, [A] 108.5, [A] 108.6, [A] 109.1, [A] 109.3, [A] 109.5, [A] 110.1, [A] 110.2, [A] 110.4, [A] 111.2, [A] 111.5, [A] 111.6, [A] 111.7, [A] 111.8, [A] 112.3, [A] 112.4, 202

NOTE: *PART II DID NOT RECEIVE A PUBLIC COMMENT AND IS ON THE CONSENT AGENDA. PART II IS REPRODUCED FOR INFORMATIONAL PURPOSES ONLY FOLLOWING ALL OF PART I.*

Proposed Change as Submitted

THIS IS A 2 PART CODE CHANGE. PART 1 WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Karen Blake, representing International Municipal Lawyers Association

PART I – IBC; IFC; IPMC

Revise the International Building Code as follows:

IBC SECTION 202
DEFINITIONS

[A] OWNER. Any person, agent, *operator*, entity, firm or corporation having ~~a~~ any legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding an interest or title to the property; or otherwise having possession or control of the property, including the guardian of the estate of any such person, and the executor or administrator of the estate of such person if ordered to take possession of real property by a court.

Revise the International Fire Code as follows:

IFC SECTION 202
GENERAL DEFINITIONS

[A] OWNER. ~~A corporation, firm, partnership, association, organization and any other group acting as a unit, or a person who has legal title to any structure or premises with or without accompanying actual possession thereof, and shall include the duly authorized agent or attorney, a purchaser, devisee, fiduciary and any person having a vested or contingent interest in the premises in question.~~ Any person, agent, *operator*, entity, firm or corporation having any legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding an interest or title to the property; or otherwise having possession or control of the property, including the guardian of the estate of any such person, and the executor or administrator of the estate of such person if ordered to take possession of real property by a court.

Revise the International Property Maintenance Code as follows:

IPMC SECTION 202
GENERAL DEFINITIONS

~~**CONDEMN.** To adjudge unfit for occupancy.~~

DAYS. Calendar days.

[A] OWNER. Any person, agent, *operator*, entity, firm or corporation having ~~a~~ any legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding an interest or title to the property; or otherwise having possession or control of the property, including the guardian of the estate of any such person, and the executor or administrator of the estate of such person if ordered to take possession of real property by a court.

IPMC SECTION 102
APPLICABILITY

IPMC [A] 102.2 Maintenance. Equipment, systems, devices and safeguards required by this code or a previous regulation or code under which the structure or *premises* was constructed, altered or repaired shall be maintained in a safe and good working order. No *owner*, *operator* or *occupant* shall cause any service, facility, equipment or utility which is required under this section to be removed from or shut off from or discontinued for any occupied dwelling, except for such temporary interruption as necessary while repairs or alterations are in progress where approved by the code official. The requirements of this code are not intended to provide the basis for removal or abrogation of fire protection and safety systems and devices in existing structures. Except as otherwise specified herein, the *owner* or the *owner's* designated agent shall be responsible for the maintenance of buildings, structures and *premises*.

IPMC [A] 102.3 Application of other codes. Repairs, additions or alterations to a structure, or changes of *occupancy*, shall be done in accordance with ~~the~~ locally adopted procedures and provisions of the *International 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* or the jurisdiction's zoning ordinance.

IPMC SECTION 103
DEPARTMENT OF PROPERTY MAINTENANCE INSPECTION

IPMC [A] 103.2 Appointment and authority. The *code official* shall be appointed by the chief appointing authority of the jurisdiction and shall be authorized to carry out the provisions of this code without further local government action unless otherwise required by law.

IPMC SECTION 104
DUTIES AND POWERS OF THE CODE OFFICIAL

IPMC [A] 104.2 Inspections. The *code official* shall make all of the required inspections, or shall be permitted to accept reports of inspection by *approved* agencies or individuals. All reports of such inspections shall be in writing and be certified by a responsible officer of such *approved* agency or by the responsible individual. The *code official* is authorized to engage such expert opinion as deemed necessary to report upon unusual technical issues that arise, subject to the approval of the appointing authority.

IPMC SECTION 105
APPROVAL

IPMC [A] 105.6 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~~ be permitted to include valid research reports from *approved* sources.

IPMC SECTION 106
VIOLATIONS

IPMC [A] 106.2 ~~Notice of violation~~ Enforcement. The *code official* shall ~~serve a notice of violation or order in accordance with Section 107~~ enforce this code through any or all of the following methods:

1. By issuing a notice of violation or order under Section 107;
2. By filing suit for abatement;
3. By issuing civil penalties; or
4. By pursuing criminal sanctions.

IPMC [A] 106.3 Options for prosecution of violation. The code official shall proceed through the issuance of a notice of violation or through a citation in any of the following ways:

1. Any person failing to comply with ~~a notice of violation or order served in accordance with Section 107~~ this code, including the orders and directions of the code official, shall be deemed guilty of a misdemeanor or civil infraction as determined by the local municipality, and the violation shall be deemed a *strict liability offense*.
2. If the notice of violation is not complied with, the *code official* shall be permitted to institute the appropriate proceeding at law or in equity to restrain, correct or abate such violation, or to require the removal or termination of the unlawful *occupancy* of the structure in violation of the provisions of this code or of the order or direction made pursuant thereto.
3. Any civil action taken by the authority having jurisdiction ~~on such~~ to enforce this code on a *premises* shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate and in addition, constitute the personal liability jointly and severally of those responsible.

IPMC [A] 106.4 ~~Violation penalties~~ Separate offenses. ~~Any person who shall violate a provision of this code, or fail to comply therewith, or with any of the requirements thereof, shall be prosecuted within the limits provided by state or local laws.~~ Each day that a violation continues after due notice has been served shall be deemed a separate offense. For civil citations, separate citations shall not be necessary where so stated in the original notice.

IPMC [A] 106.5 Abatement of violation. The imposition of the penalties herein prescribed shall not preclude the legal officer of the jurisdiction from instituting appropriate action, including action to restrain, correct or abate a violation, or to prevent illegal *occupancy* of a building, structure or *premises*, or to stop an illegal act, conduct, business or utilization of the building, structure or *premises*.

IPMC SECTION 107
NOTICES AND ORDERS

IPMC [A] 107.1 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 as specified in this code. Notices for ~~condemnation~~ procedures shall also comply with Section 108.3. Failure to provide notice as required in this code does not relieve a person from civil or criminal liability for the violation, nor relieve them of responsibility for complying with this code or the orders and direction of the code official. Lack of notice to one of the responsible parties does not relieve others with notice of their obligation to comply with the code or the orders and direction of the code official.

IPMC [A] 107.3 Method of service. ~~Such notice shall be deemed to be properly served if a copy thereof is:~~ Notice shall be permitted to be served using any of the following methods:

1. Delivered personally;
2. Sent by certified or first-class mail addressed to the last known address; or

3. 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.

Such notice is effective upon actual receipt or three *days* after posting in the mail or after posting on the property.

IPMC [A] 107.4 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* is unlawful and constitutes a violation of this code.

IPMC [A] 107.5 Penalties. Penalties for noncompliance with orders and notices shall be as set forth in Section 106.4.
(Renumber subsequent sections)

IPMC SECTION 108
UNSAFE STRUCTURES AND EQUIPMENT

IPMC [A] 108.1 General. 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*~~ declared as such pursuant to the provisions of this code.

IPMC [A] 108.1.2 Unsafe equipment. Unsafe equipment includes, but is not limited to, any boiler, heating equipment, elevator, moving stairway, electrical wiring or device, flammable liquid containers or other equipment on the *premises* or within the structure which 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.

IPMC [A] 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.

IPMC [A] 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 below shall be considered 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~~ and not sufficiently secure to prevent children ~~who might play in~~ from entering the building or structure to their danger, becomes a harbor for vagrants, the homeless or criminals ~~or immoral persons~~, or ~~enables~~ not sufficiently secure to prevent persons from entering ~~to resort to~~ the building or structure ~~for~~ and 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 unsanitary, 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~~ become a hazard to the public or a nuisance.

IPMC [A] 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* 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 the personal responsibility of the owner and 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.

IPMC [A] 108.3 Notice. Whenever the *code official* has ~~*condemned*~~ found a structure to be unfit for occupancy or a structure or equipment unsafe 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* or the person or persons responsible for the structure or equipment in accordance with Section 107.3. Failure to receive the notice does not relieve the owner or person responsible from liability under this code, nor does that failure preclude the code official from acting to protect the public health and safety. If the notice pertains to equipment, it shall also be placed on the ~~*condemned*~~ unsafe equipment. The notice shall be in the form prescribed in Section 107.2.

IPMC [A] 108.4 Placarding. In addition to the procedures authorized in Section 108.2, when the code official has issued an unsafe abatement order, upon failure of the *owner* 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 warning placard bearing the word "~~Condemned~~ DANGER – Unsafe/Unfit for Occupancy" and a statement of the penalties provided for occupying the *premises*, operating the equipment or removing the placard.

IPMC [A] 108.4.1 Placard removal. The *code official* shall remove the ~~condemnation~~ warning 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~~ warning placard without the approval of the *code official* shall be subject to the penalties provided by this code.

IPMC [A] 108.5 Prohibited occupancy. Any occupied structure ~~*condemned*~~ found unsafe or unfit for human occupancy and placarded by the *code official* shall be vacated as ordered by the *code official*. ~~Any~~ It shall be unlawful for a person ~~who shall~~ to occupy a placarded *premises* or ~~shall~~ to operate placarded equipment, and any *owner* or any person responsible for the *premises* who ~~shall let~~ allow anyone to

occupy a placarded *premises* or to operate placarded equipment shall be ~~liable for the penalties provided by~~ a violation of this code.

IPMC [A] 108.6 Abatement methods. The *owner*, *operator* or *occupant* of a building, *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 within the time and manner prescribed by the code official.

IPMC SECTION 109
EMERGENCY MEASURES

IPMC [A] 109.1 Imminent danger. When, in the opinion of the *code official*, there is *imminent danger* of failure or collapse of a building or structure which endangers life, or when any structure or part of a structure has fallen and life is endangered by the occupation of the structure, or when there is actual or potential danger to the building *occupants* or those in the proximity of any structure because of explosives, explosive fumes or vapors or the presence of toxic fumes, gases or materials, or operation of defective or dangerous equipment, the *code official* is hereby authorized and empowered to order and require the *occupants* to vacate the *premises* forthwith. The *code official* shall cause to be posted at each entrance to such structure a notice reading as follows: "This *Structure* Is Unsafe and Its *Occupancy* Has Been Prohibited by the *Code Official*." It shall be unlawful for any person to enter such structure except as directed by the Code Official for the purpose of securing the structure, making the required repairs, removing the hazardous condition or of demolishing the same.

IPMC [A] 109.3 Closing streets. When necessary for public safety, the *code official* shall be permitted to temporarily close structures and, as directed and authorized by the appointing authority or appropriate agency having jurisdiction, close, or order the authority having jurisdiction to close, sidewalks, streets, *public ways* and places adjacent to unsafe structures, and prohibit the same from being utilized.

IPMC [A] 109.5 Costs of emergency repairs. Costs incurred in the performance of emergency work ~~shall be paid by the jurisdiction~~ be the personal responsibility of the owner and responsible parties of the premises and constitute jointly and severally removal shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate. The legal counsel of the jurisdiction shall institute appropriate action against the *owner* and responsible parties of the *premises* where the unsafe structure is or was located for the recovery of such costs or through foreclosure of the lien or both.

IPMC SECTION 110
DEMOLITION

IPMC [A] 110.1 General. The *code official* shall order the *owner* of any *premises* upon which is located any structure, which in the *code official* judgment after review is so deteriorated or dilapidated or has become so out of repair as to be dangerous, unsafe, insanitary or otherwise unfit for human habitation or occupancy, ~~and such that it is unreasonable to repair the structure, to demolish and remove such structure; or if such structure is capable of being made safe by repairs, to repair and make safe and sanitary, or to board up and hold for future repair or to demolish and remove at the *owner's* option~~; or where there has been a cessation of normal construction of any structure for a period of more than ~~two years~~ one year, the *code official* shall order any of the following remedies: the *owner* ~~to~~ shall demolish and remove such structure, or make the premises safe and sanitary or board up the structure until future repair. Boarding the building up for future repair shall not extend beyond one year, unless *approved* by the building official. If after one year the boarded structure has not been repaired or brought into compliance, the building official shall be permitted to order demolition.

IPMC [A] 110.2 Notices and orders. All notices and orders shall comply with Section 107. Failure to comply does not affect the code official's authority to act or relieve the owner or responsible party of their obligation to comply with this code, the code official's orders or to eliminate dangerous, unsafe, insanitary or conditions making a property unfit for human habitation or occupancy.

IPMC [A] 110.4 Salvage materials. When any structure has been ordered demolished and removed, the governing body or other designated officer under said contract or arrangement aforesaid shall have the right to identify and sell the salvage and valuable materials ~~at the highest price obtainable~~ in a commercially reasonable manner. The net proceeds of such sale, after deducting the expenses of such demolition and removal, shall be promptly remitted with a report of such sale or transaction, including the items of expense and the amounts deducted, for the person who is entitled thereto, subject to any order of a court. If such a surplus does not remain to be turned over, the report shall so state.

IPMC SECTION 111
MEANS OF APPEAL

IPMC [A] 111.2 Membership of board. The board of appeals shall consist of a minimum of 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 have no vote on any matter before the board.~~ The board shall be appointed by the chief appointing authority, and shall serve staggered and overlapping terms.

IPMC [A] 111.5 Postponed hearing. When the full board is not present to hear an appeal, either ~~the appellant or the appellant's representative~~ party shall have the right to request a postponement of the hearing.

IPMC [A] 111.6 Board decision. ~~The board shall modify or reverse the decision of the *code official* only by a concurring vote of a majority of the total number of appointed board members.~~ On appeal, the code official shall first produce evidence substantiating the decision, notice or order at issue. If the board determines the code official has met this burden, then the appealing party shall show why the decision, notice or order should be reverse or modified. On all issues, the appeal shall be denied unless a majority of the board votes to approve, reverse or modify. Orders to remove tenants or to demolish a building or structure shall be sustained by majority vote of those present and voting. The decision of the board shall be reduced to a writing containing facts supporting the board's decision to approve, reverse or modify the code official's decision and the board's reasoning.

IPMC [A] 111.7 Court review. The code official and any person, ~~whether or not a previous party of~~ participating in 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.

IPMC [A] 111.8 Stays of enforcement. Appeals of notice and orders (other than *Imminent Danger* notices~~—~~for example, stop work orders, and orders to vacate) shall stay the enforcement of the notice and order until the appeal is heard by the appeals board.

IPMC SECTION 112
STOP WORK ORDER

IPMC [A] 112.3 Written notice not required in emergencies. Where an emergency exists, the *code official* shall not be required to give a written notice prior to stopping the work.

IPMC [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~~ constitute a violation of this code, punishable as a misdemeanor offense.

Reason: The intent of this proposal is to avoid lengthy and expensive litigation, during the administrative process and if a decision is challenged in an appeal. The reason for changing the definition of "Owner" is both for consistency between codes and to hold those with ownership interests responsible for maintaining the property that they legally possess (e.g., mortgage), but fail to maintain. Deleting references to "condemn" is important because the legal connotation implies that a property will be taken through eminent domain proceedings and demolished, when, in fact, it is merely uninhabitable and capable of being boarded-up for safety until repairs can be made.

IMLA members would be honored to propose suggested revisions to the International Code Council's International Property Maintenance this year, in an effort to synergize our organizations' efforts. We are hopeful that your organization would consider some of these suggestions that originate from court cases around the country so that communities can benefit from the experience of others. Municipal attorneys across the country assist building officials in carrying out their duties and are often asked to interpret and opine on code provisions as they apply in their local jurisdictions.

Our attempt at making these suggestions was for a two-fold purpose: to assist in language that might help communities avoid unnecessary litigation and to begin to develop a good relationship between our organizations that are naturally aligned to improve our communities.

We hope these comments will lead to further discussion of what may be necessary to make the best model code possible and we look forward to working with you in the future!

The International Municipal Lawyers Association (IMLA) is a non-profit, professional organization that has been an advocate and resource for local government attorneys since 1935. IMLA services as an international clearinghouse of legal information and cooperation on municipal legal matters. IMLA collects from and disseminates information to its membership across the United States and Canada and helps governmental officials prepare for litigation and develop new local laws.

Every year, IMLA's legal staff provides accurate, up-to-date information and valuable counsel to hundreds of requests from members. IMLA also provides a variety of services, publications and programs to help members who are facing legal challenges.

For the past 77 years, IMLA has held cutting edge national conferences, including a Code Enforcement Conference, bringing local government attorneys together to network and propose solutions to common problems. It champions the development of air and realistic legal solutions and provides its members with information about, and solutions to, the profusion of legal issues facing its membership today.

Cost Impact:

[A] 101.1-ADM (IBC)-BLAKE rev.doc

Committee Action Hearing Results

PART I - IADMIN

Committee Action: **Approved as Submitted**

Committee Reason: The clean-up suggested for the IPMC will help deal with the legal scrutiny that this document typically goes through during the enforcement process. This will be of benefit to jurisdictions when they need to go to court over property maintenance issues. There were concerns expressed by some of the committee members that the definition for 'owner' needed some additional revisions. For the definition, clarification is needed on what might constitute 'interest' in a building and what is a building 'operator'.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Maureen Traxler representing City of Seattle Department of Planning & Development, requests Disapproval.

Commenter's Reason: While we appreciate IMLA's attempt at revamping the code provisions related to enforcement, we find too many flaws to approve the proposal. Some of our objections are minor, but others are very significant. The flaws defeat the purpose of the proposal--to avoid litigation—by creating many questions of interpretation and application of the codes.

Section 106.3 Options for prosecution of violations, is among our most serious objections to this proposal. It makes it a crime to fail to comply with the code. Since the section also makes it a strict liability offense, the person will be guilty even if they don't know there is an applicable code provision, or that their building doesn't comply. F162-13, approved by the Fire Code Committee, adds a new section to the IPMC requiring that smoke alarms in residences be replaced within 10 years of the date of manufacture of the alarms; failure to do so would be a crime according to this proposal.

202 Definition of "owner". By listing those "having possession or control of the property" and "operators" as owners, the scope of the term is expanded too far. Squatters would be considered owners; the building manager or maintenance crew could be considered owners. "Operator" may be appropriate for the IPMC definition, but unnecessarily complicates enforcement of the IBC and IFC. The more suitable way to use the term "operators" is to insert it in code sections that are appropriate to apply to operators. IPMC Section 102.2 is an example.

102.2 Maintenance, requires approval of the code official before services, equipment or utilities can be interrupted while alteration work is going on. This is overly burdensome for code officials—particularly because the interruptions can be very short. Activities such as shutting off water while replacing a sink or parts of a landscape sprinkler system would require approval by the code official.

103.2 Appointment, authorizes the code official to enforce the code "without further local government action." This language is confusing and unnecessary. Enforcement of the current IPMC does not require further government action.

105.6 Research reports, in the existing code, requires that data supporting approval of materials be "valid research reports from *approved* sources." By changing the section to say that this supported data is permitted to be valid reports from approved sources, the proposal makes this code section useless, since nothing is required. It seems obvious that valid reports from approved sources would be acceptable, especially since the code official determines what is "approved." If the requirement for reports is believed to be too onerous, it should be removed from the code.

107.4 Unauthorized tampering, has an error in syntax. "Signs … shall not be mutilated, destroyed or tampered with, or removed without authorization from the *code official* is unlawful and constitutes a violation of this code." Words are missing between "code official" and "is unlawful."

108.4 Placarding. "In addition to the procedures authorized in Section 108.2, when the code official has issued an unsafe abatement order …" This sentence says that the abatement order is unsafe.

109.1 Imminent danger. "It shall be unlawful for any person to enter such structure except as directed by the Code Official for the purpose of securing the structure, making the required repairs, removing the hazardous condition or of demolishing the same." (emphasis added.) The code official should not be "directing" anyone to go into unsafe structures, nor should they be responsible for "allowing" someone in. These decisions should be left to the owner—it becomes a contractual issue between the owner and the contractor hired by the owner. As written, this appears to make the code official responsible and liable if there is a problem (e.g., collapse) while workers are in the building. Also note that this section would not allow an engineer or other design professional into the building to evaluate it and make repair recommendations. It's especially troublesome to require code official approval after a natural disaster when code officials are likely to be fully occupied with other important work.

109.3 Closing streets. The code official should have clear authority to close sidewalks and streets if there is an imminent threat of a building's collapse such as might occur after a natural disaster. The code official should certainly coordinate with the public works department, but shouldn't need to wait for authority if there is an imminent hazard. The changes make it unclear whether the code official is required to be directed by the agency having jurisdiction. Another question is whether "agency having jurisdiction is different that "authority having jurisdiction." Both terms are used. Note also that many code officials don't work "at the direction" of the public works director.

109.5 Costs of emergency repairs. This section has errors in syntax that make it difficult to interpret. **"**Costs … shall be the personal responsibility of the owner and responsible parties of the premises and constitute jointly and severally removal shall be charged against the real estate upon which the structure is located and shall be a lien upon such real estate." (emphasis added) Circular language adds to the unclarity about who is required to pay for costs—costs are the responsibility of the responsible parties.

ADM5-13, Part I

Final Action: AS AM AMPC____ D

NOTE: PART II IS REPRODUCED FOR INFORMATIONAL PURPOSES ONLY – SEE ABOVE

ADM5-13, Part II
PART II – IRC: 202

Proposed Change as Submitted

THIS IS A 2 PART CODE CHANGE. PART 1 WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Karen Blake, representing International Municipal Lawyers Association

PART II – IRC

Revise the International Residential Code as follows:

IRC SECTION R202
DEFINITIONS

OWNER. Any person, agent, operator, entity, firm or corporation having ~~a~~ any legal or equitable interest in the property; or recorded in the official records of the state, county or municipality as holding an interest or title to the property; or otherwise having possession or control of the property, including the guardian of the estate of any such person, and the executor or administrator of the estate of such person if ordered to take possession of real property by a court.

Reason: The intent of this proposal is to avoid lengthy and expensive litigation, during the administrative process and if a decision is challenged in an appeal. The reason for changing the definition of "Owner" is both for consistency between codes

and to hold those with ownership interests responsible for maintaining the property that they legally possess (e.g., mortgage), but fail to maintain. Deleting references to "condemn" is important because the legal connotation implies that a property will be taken through eminent domain proceedings and demolished, when, in fact, it is merely uninhabitable and capable of being boarded-up for safety until repairs can be made.

IMLA members would be honored to propose suggested revisions to the International Code Council's International Property Maintenance this year, in an effort to synergize our organizations' efforts. We are hopeful that your organization would consider some of these suggestions that originate from court cases around the country so that communities can benefit from the experience of others. Municipal attorneys across the country assist building officials in carrying out their duties and are often asked to interpret and opine on code provisions as they apply in their local jurisdictions.

Our attempt at making these suggestions was for a two-fold purpose: to assist in language that might help communities avoid unnecessary litigation and to begin to develop a good relationship between our organizations that are naturally aligned to improve our communities.

We hope these comments will lead to further discussion of what may be necessary to make the best model code possible and we look forward to working with you in the future!

The International Municipal Lawyers Association (IMLA) is a non-profit, professional organization that has been an advocate and resource for local government attorneys since 1935. IMLA services as an international clearinghouse of legal information and cooperation on municipal legal matters. IMLA collects from and disseminates information to its membership across the United States and Canada and helps governmental officials prepare for litigation and develop new local laws.

Every year, IMLA's legal staff provides accurate, up-to-date information and valuable counsel to hundreds of requests from members. IMLA also provides a variety of services, publications and programs to help members who are facing legal challenges. For the past 77 years, IMLA has held cutting edge national conferences, including a Code Enforcement Conference, bringing local government attorneys together to network and propose solutions to common problems. It champions the development of air and realistic legal solutions and provides its members with information about, and solutions to, the profusion of legal issues facing its membership today.

Cost Impact:

Committee Action Hearing Results

PART II – IRC
HEARD BY IRC COMMITTEE

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this proposed code change because they felt that the proposed changes are unnecessary.

Assembly Action: **None**

ADM6-13, Part I

PART I - IBC: [A] 101.3; ICCPC: [A] 101.2.2; IFC: [A] 101.3; IFCG: [A] 101.4; IMC: [A] 101.3; IPC: [A] 101.3; IPSDC: [A] 101.6; IPMC: [A] 101.2

Proposed Change as Submitted

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Carl F. Baldassarra, representing Rolf Jensen & Associates, Inc. (cbaldassarra@rjagroup.com)

PART I – IBC; ICCPC; IFC; IFCG; IMC; IPC; IPSDC; IPMC

Revise the International Building Code as follows:

IBC [A] 101.3 Intent. The purpose of this code is to establish the minimum requirements to safeguard the public health, safety and general welfare through structural strength, *means of egress* facilities, stability, sanitation, adequate light and ventilation, energy conservation; to safeguard and safety to life and property from fire and other hazards attributed to the built environment; and, to safeguard provide safety to fire fighters and emergency responders during emergency operations.

Revise the International Code Council Performance Code as follows:

ICCPC [A] 101.2.2 Fire. Part III of this code establishes requirements necessary to provide an acceptable level to safeguard of life safety and property protection from the hazards of fire, explosion or dangerous conditions in all facilities, equipment and processes.

Revise the International Fire Code as follows:

IFC [A] 101.3 Intent. The purpose of this code is to establish the minimum requirements consistent with nationally recognized good practice for providing a reasonable level to safeguard 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 safeguard provide safety to fire fighters and emergency responders during emergency operations.

Revise the International Fuel Gas Code as follows:

IFGC [A] 101.4 Intent. The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of fuel gas systems.

Revise the International Mechanical Code as follows:

IMC [A] 101.3 Intent. The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of mechanical systems.

Revise the International Plumbing Code as follows:

IPC [A] 101.3 Intent. The purpose of this code is to provide minimum standards to safeguard life ~~or limb~~, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of plumbing equipment and systems.

Revise the International Private Sewage Disposal Code as follows:

IPSDC [A] 101.6 Intent. The purpose of this code is to provide minimum standards to safeguard life ~~or limb,~~ health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation and maintenance or use of *private sewage disposal systems*.

Revise the International Property Maintenance Code as follows:

IPMC [A] 101.2 Scope. The provisions of this code shall apply to all existing residential and nonresidential structures and all existing *premises* and constitute minimum requirements and standards for *premises*, structures, equipment and facilities for light, *ventilation*, space, heating, sanitation, protection from the elements, to safeguard life ~~safety, safety~~ from fire and other hazards, and for safe and sanitary maintenance; the responsibility of *owners*, *operator*s and *occupants*; the *occupancy* of existing structures and *premises*, and for administration, enforcement and penalties.

Reason: The intent of this change is to make a minor, but important, clarification of the intent of the code. The section covering the "intent" of the IBC is often used by attorneys and others outside of the code community as the basis for various legal actions. Therefore, it is important that this section reflects both the intention of the code community and the relative level of safety that is reasonably provided through these regulations.

The proposal includes changes that make the levels of intended "safety" the same to the reader by using the same term "safeguard" (used in the first phrase) in the other two phrases. While the language using the term "safeguard" is, perhaps, somewhat vague, it is better than suggesting absolute "safety" can be provided to any person or property through the provisions of the code. There is no intention to reduce the level of safety provided by the code with this change. All users and beneficiaries of the code will be better served through this clarification.

Cost Impact: This code change proposal will not affect the cost of construction.

Staff Analysis: The section on Intent are also found in IEBC 101.3, IWUIC 101.3, IZC 101.2, IECC C101.3, IECC R101.3 and ISPSC 101.3.

101.3-ADM (IBC)-BALDASSARRA

Committee Action Hearing Results

PART I - IADMIN
Committee Action: **Disapproved**

Committee Reason: The committee agreed that the scope should be coordinated across the codes, however, they preferred the "reasonable level of life safety" language found in the IFC. The term 'safeguard' is not a match to "provide safety to."

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Carl F. Baldassarra, P.E., representing Rolf Jensen & Associates, Inc., requests Approval as Modified by this Public Comment.

Replace the proposal with the following:

Revise the International Building Code as follows:

IBC [A] 101.3 Intent. The purpose of this code is to establish the minimum requirements to provide a reasonable level of ~~safeguard the~~ public health, safety 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 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.

Revise the International Code Council Performance Code as follows:

ICCPC [A] 101.2.2 Fire. Part III of this code establishes requirements necessary to provide a reasonable ~~an acceptable~~ level of life safety and property protection from the hazards of fire, explosion or dangerous conditions in all facilities, equipment and processes.

Revise the International Fire Code as follows:

IFC [A] 101.3 Intent. 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.

Revise the International Fuel Gas Code as follows:

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

Revise the International Mechanical Code as follows:

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

Revise the International Plumbing Code as follows:

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

Revise the International Private Sewage Disposal Code as follows:

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

Revise the International Property Maintenance Code as follows:

IPMC [A] 101.2 Scope. The provisions of this code shall apply to all existing residential and nonresidential structures and all existing *premises* and constitute minimum requirements and standards for *premises*, structures, equipment and facilities for light, *ventilation*, space, heating, sanitation, protection from the elements, a reasonable level of ~~life safety~~, safety from fire and other hazards, and for a reasonable level of ~~safe and~~ sanitary maintenance; the responsibility of *owners*, *operator*s and *occupants*; the *occupancy* of existing structures and *premises*, and for administration, enforcement and penalties.

Commenter's Reason: The intent of this change is to make minor, but important, clarifications of the intent of the various ICC codes. It is important that these sections reflect both the intention of the code community and the relative level of safety that is

reasonably provided through these regulations in a consistent manner. There is no intention to reduce the level of safety provided by the code with this change. All users and beneficiaries of the code will be better served through this clarification.

This modification addresses the reasons for disapproval of both Part I and Part II at the Code Development Hearing in Dallas. Specifically, the reason for Disapproval of Part I by the Administrative Provisions Committee was published as follows:

The committee agreed that the scope should be coordinated across the codes, however, they preferred the "reasonable level of life safety" language found in the IFC. The term 'safeguard' is not a match to "provide safety to."

Also, the reason for Disapproval of Part II by the International Residential Committee was published as follows:

The committee disapproved this code change proposal because they felt that the term "safeguards" (sic) *is too vague, as the proponent notes. If the proposed requirements were used relative to emergency responders, they need to be further explained or narrowed.*

As can be seen by the reviewing the revised proposals, the Committees' comments have been addressed and, therefore, the Proponent requests that the proposals for each code be Approved as Modified by this public comment.

ADM6-13, Part I

Final Action: AS AM AMPC____ D

ADM6-13, Part II
PART II – IRC R101.3

Proposed Change as Submitted

THIS IS A 2 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Carl F. Baldassarra, representing Rolf Jensen & Associates, Inc. (cbaldassarra@rjagroup.com)

PART II – IRC

Revise the International Residential Code as follows:

IRC 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 and property from fire and other hazards attributed to the built environment and to safeguard ~~provide safety to~~ fire fighters and emergency responders during emergency operations.

Reason: The intent of this change is to make a minor, but important, clarification of the intent of the code. The section covering the "intent" of the IBC is often used by attorneys and others outside of the code community as the basis for various legal actions. Therefore, it is important that this section reflects both the intention of the code community and the relative level of safety that is reasonably provided through these regulations.

The proposal includes changes that make the levels of intended "safety" the same to the reader by using the same term "safeguard" (used in the first phrase) in the other two phrases. While the language using the term "safeguard" is, perhaps, somewhat vague, it is better than suggesting absolute "safety" can be provided to any person or property through the provisions of the code. There is no intention to reduce the level of safety provided by the code with this change. All users and beneficiaries of the code will be better served through this clarification.

Cost Impact: This code change proposal will not affect the cost of construction.

Staff Analysis: The section on Intent are also found in IEBC 101.3, IWUIC 101.3, IZC 101.2, IECC C101.3, IECC R101.3 and ISPSC 101.3.

101.3-ADM (IBC)-BALDASSARRA

Committee Action Hearing Results

PART II – IRC
HEARD BY IRC COMMITTEE
Committee Action: **Disapproved**

Committee Reason: The committee disapproved this code change proposal because they felt that the term 'safeguards is too vague, as the proponent notes. If the proposed requirements were used relative to emergency responders, they need to be further explained or narrowed.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Carl F. Baldassarra, P.E., representing Rolf Jensen & Associates, Inc., requests Approval as Modified by this Public Comment.

Replace the proposal with the following:

Revise the International Residential Code as follows:

IRC R101.3 Intent. The purpose of this code is to establish minimum requirements to provide a reasonable level of ~~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 and property from fire 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.

Commenter's Reason: The intent of this change is to make minor, but important, clarifications of the intent of the various ICC codes. It is important that these sections reflect both the intention of the code community and the relative level of safety that is reasonably provided through these regulations in a consistent manner. There is no intention to reduce the level of safety provided by the code with this change. All users and beneficiaries of the code will be better served through this clarification.

This modification addresses the reasons for disapproval of both Part I and Part II at the Code Development Hearing in Dallas. Specifically, the reason for Disapproval of Part I by the Administrative Provisions Committee was published as follows:

The committee agreed that the scope should be coordinated across the codes, however, they preferred the "reasonable level of life safety" language found in the IFC. The term 'safeguard' is not a match to "provide safety to."

Also, the reason for Disapproval of Part II by the International Residential Committee was published as follows:

The committee disapproved this code change proposal because they felt that the term "safeguards" (sic) *is too vague, as the proponent notes. If the proposed requirements were used relative to emergency responders, they need to be further explained or narrowed.*

As can be seen by the reviewing the revised proposals, the Committees' comments have been addressed and, therefore, the Proponent requests that the proposals for each code be Approved as Modified by this public comment.

ADM6-13, Part II

Final Action: AS AM AMPC____ D

ADM11-13
IBC: [A] 101.4.7 (New), 202 (New), Chapter 35

Proposed Change as Submitted

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self (ACApfelbeck@Altamonte.org)

Add new text to the International Building Code as follows:

IBC [A] 101.4.7 Performance based. The provisions of the *ICC Performance Code for Buildings and Facilities* shall apply to all buildings constructed or maintained utilizing a performance-based design.

Add new text to the International Building Code as follows:

IBC SECTION 202
DEFINITIONS

PERFORMANCE-BASED DESIGN. An engineering approach to design elements of a building based on agreed upon performance goals and objectives, engineering analysis and quantitative assessment of alternatives against the design goals and objectives utilizing accepted engineering tools, methodologies and performance criteria.

Add standard to IBC Chapter 35 as follows:

ICCPC-15 International Code Council Performance Code for Buildings and Facilities….101.4.7

Reason: Specifically referenced in the IBC are the ICC Gas, Mechanical, Plumbing, Property Maintenance, Fire, and Energy Codes. However, currently lacking from the referenced standards in the IBC model provisions is guidance for the code official on how to deal with a performance based design approach. The ICC promulgates the International Code Council Performance Code for Buildings and Facilities which is intended to provide the designer and user with specific guidance in dealing with performance based designs. Since the ICC promulgates a complete set of codes to regulate the built environment, it makes sense that the ICCPC be include within the basic referenced provisions in section 101.4.

In order to provide clarity to the end user, the definition of Performance-Based Design has been extracted from the ICCPC and included section 202 of the IBC.

Cost Impact: This code change will not increase the cost of construction.

101.4.7 (NEW) #1-ADM (IBC)-APFELBECK

Public Hearing Results

Committee Action: **Disapproved**

Committee Reason: The language implies that if you use a performance based approach for a piece of the building, then you have to use a performance based approach for the entire building. Having the ICCPC as an option is appropriate; however, it should not be a requirement.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

J. William Degnan, President, representing National Association of State Fire Marshals, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

IBC [A] 101.4.7 Performance based. The provisions of the *ICC Performance Code for Buildings and Facilities* shall apply to ~~all~~ portions of buildings or systems constructed or maintained utilizing a performance-based design.

(Portions of proposal not shown remain unchanged.)

Commenter's Reason: This modification addresses the committee's concern that the original proposal would only address complete performance based design and not allow partial use of the ICCPC in various construction scenarios.

ADM11-13

Final Action: AS AM AMPC____ D

ADM12-13
IBC: [A] 101.4.7 (New), 202 (New)

Proposed Change as Submitted

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self (ACApfelbeck@Altamonte.org)

Add new text to the International Building Code as follows:

IBC [A] 101.4.7 Wildland-Urban Interface. The provisions of the International Wildland-Urban Interface Code shall apply to all matters governing the design and construction of buildings within wildland-urban interface areas.

Add new text to the International Building Code as follows:

IBC SECTION 202
GENERAL DEFINITIONS

WILDLAND-URBAN INTERFACE AREA. That geographical area where structures and other human development meets or intermingles with wildland or vegetative fuels.

Reason: Specifically referenced in the IBC are the ICC Gas, Mechanical, Plumbing, Property Maintenance, Fire, and Energy Codes. However, currently lacking from the referenced standards in the IBC model provisions is guidance for the code official on how to deal with wild-land urban interface areas. The ICC promulgates the International Wildland-Urban Interface Code which is intended to provide the designer and user with specific guidance in dealing with structures constructed in wildland-urban interface area. Since the ICC promulgates a complete set of codes to regulate the built environment, it makes sense that the IWUIC be include within the basic referenced provisions in section 101.4.

In order to provide clarity to the end user, the definition of Wildland-Urban Interface Area has been extracted from the IWUIC and included section 202 of the IBC.

Cost Impact: This code change will increase the cost of construction.

101.4.7 (NEW) #2-ADM (IBC)-APFELBECK

Committee Action Hearing Results

Committee Action: **Approved as Modified**

Further revise the proposal as follows:

IBC [A] 101.4.7 Wildland-Urban Interface. The provisions of the International Wildland-Urban Interface Code shall apply to ~~all~~ matters governing the design and construction of buildings within wildland-urban interface areas.

Committee Reason: The modification to strike the word 'all' would allow the jurisdiction to address fire risk as part of the designation of the wildland-urban interface area. The IWUIC is currently referenced in the body of the IBC, therefore, it is appropriate for it to be included in the scoping chapter.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Maureen Traxler representing City of Seattle Dept of Planning & Development, requests Disapproval.

Commenter's Reason: The IWUIC was developed for a special purpose. It was meant to be available for jurisdictions where there is danger of wildfire. Some jurisdictions may benefit from having the IWUIC be part of the IFC, but those jurisdictions already have the option to adopt the IWUIC separately, just as they would any other code. The IWUIC should not be mandatory for those jurisdictions that do not have *wildland-urban interface areas* or where interface areas are so negligible that it may be considered a nuisance to enforce the provisions contained in the IWUIC. Many jurisdictions have no history of wildfire, and do not have conditions where wildfire is likely to occur in the future.

According to the definition, the only requirements for an area to be considered a "wildland urban interface area" are that there be human development and adjacency to "vegetative fuel". There is no requirement that there be a risk of wildfire. The definition does apply to Central Park in New York, and to temperate rain forest areas such as occur in California, Oregon, Washington and Alaska which can receive 144 inches or more of rain per year.

Mandating adoption of WUIC, means those jurisdiction without risk of wildfire will be required to designate areas as not being wildland urban interface areas even though they meet the definition.

The committee's reason for disapproval was that the IBC references the IWUIC. However, there is only one reference in the IBC, in Table 1505.1 and that reference does not require universal adoption of the IWUIC. Footnote a to the table states that the table applies "Unless otherwise required in accordance with the *International Wildland-Urban Interface Code* or due to the location of the building within a fire district in accordance with Appendix D". The footnote means that the table applies unless the jurisdiction has adopted the IWUIC. It doesn't assume that the IWUIC is adopted.

ADM12-13

Final Action: AS AM AMPC____ D

ADM14-13
IFC: [A] 102.3, [A] 102.3.1 (New), [A] 102.3.2 (New)

Proposed Change as Submitted

Proponent: Marc Sampson, Longmont Fire Department, CO, representing Fire Marshal's Association of Colorado

Revise the International Fire Code as follows:

IFC [A] 102.3 Change of use or occupancy. No change shall be made in the use or occupancy of any structure that would place the structure in a different division of the same group or occupancy or in a different group of occupancies, unless such structure is made to comply with the requirements of this code and the International Building Code.

IFC [A] 102.3.1 Less hazardous use. Subject to the approval of the fire code official, the use or occupancy of an existing structure shall be allowed to be changed and the structure is allowed to be occupied for purposes in other groups without conforming to all of the requirements of this code and the International Building Code for those groups, provided the new or proposed use is less hazardous, based on life and fire risk, than the existing use.

IFC [A] 102.3.2 Change in use or occupancy from the *International Residential Code*. For dwellings or townhouses constructed in compliance with the *International Residential Code*, no change shall be made in the use or occupancy of a building which would result in an occupancy regulated by this code unless such building is made to comply with the requirements of this code for the applicable occupancy classification.

REASON: Currently the code contains no provision on how to transition from an IRC structure to an IBC structure. The IBC and IFC are based on 'occupancy classifications' while the IRC is not.

These revisions are proposed to the IFC to clarify the application of the code when a building constructed under the IRC undergoes a change of use or occupancy which would now place the building under the regulation of the IFC. Since a dwelling constructed under the IRC is not constructed identically to a dwelling constructed under the IFC, it creates confusion as to how to make this transition.

The 2nd sentence of Section 102.3 is placed into a separate section creating Section 102.3.1. This section states the building official can allow a change of occupancy should not be hidden within the text, but in a standalone section.

Even though the text in IFC Section 102.3 does not show [B] in the margin, the current text is identical to the IBC and IEBC. Once the revisions are approved to the IBC, IEBC and IFC, all three codes will still contain the equivalent requirements and correlate.

Cost Impact: The code change will not increase the cost of construction.

102.3.1 (NEW)-ADM (IFC)-SAMPSON

Committee Action Hearing Results

Committee Action: **Disapproved**

Committee Reason: The change in use from a home to another occupancy is already addressed in the IEBC. This proposed language for the IFC would include homes that were originally constructed under the IRC, which does not address mixed use buildings. Requiring this IRC home to fully comply with the IFC could result in conflicts.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

J. William Degnan, President, representing National Association of State Fire Marshals, requests Approval as Submitted.

Commenter's Reason: This proposal does make sense and the proposal does provide identical language to the IFC and it does provide guidance on how to deal with occupancy changes from an IRC to IBC or IEBC construction.

ADM14-13

Final Action: AS AM AMPC____ D

ADM16-13
IFC: [A] 102.5

Proposed Change as Submitted

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self. (ACApfelbeck@Altamonte.org); Steve Orlowski, representing National Association of Home Builders (NAHB) (sorlowski@nahb.org)

Revise the International Fire Code as follows:

IFC [A] 102.5 Application of residential code. Where structures are designed and constructed in accordance with the International Residential Code, the provisions of this code shall apply as follows:

1. Construction and design provisions: Provisions of this code pertaining to the exterior of the structure shall apply including, but not limited to, premises identification, fire apparatus access and water supplies. ~~Where interior or exterior systems or devices are installed, construction permits required by Section 105.7 of this code shall also apply.~~
2. Administrative~~,~~ and operational ~~and maintenance~~ provisions: All such provisions of this code shall apply.

Reason: The purpose of this code change is to address some of the controversy that has risen since the passage of a public comment on F3-07/08. The original purpose was to clear up the vagueness between the interaction between the IRC and the IFC and how they apply to one- and two- family dwellings and townhouses. The Fire Code Committee did not approve the original proposal which clearly stated that the IFC does not regulate the construction and design features of the structure built in accordance with the International Residential Code, but it does regulate the fire protections features leading up to the structure (such as premise identification, fire protection water supplies and fire apparatus access). A public comment was submitted and approved at the final action hearing which resulted in the current code text. Unfortunately, instead of clearing up where the scope of IFC ends and the scope of IRC begins. the current language has created more controversy over which code regulates the construction, design and maintenance of interior features in one- and two- family dwellings and townhouses.

One of the significant problems with the current language is found in the last sentence of the first application, regarding the construction permits required by section 105.7. All of the required construction permits that would apply to these types of structures, as indicated in this section, are already addressed within the scope of the International Residential Code. The concept of the IRC being a single source construction code is specifically stated within the commentary to R101.1 where it states that the intent of the IRC is to be a "stand-alone residential code that establishes minimum regulations for one- and two-family dwellings and townhouses." The IFC commentary to 102.5 further emphasizes this concept by stating "The IRC is designed and intended for use as a stand-alone code for the construction of detached one- and two-family dwellings and townhouses not more than three stories in height. As such, the construction of detached one- and two-family dwellings and townhouses *is regulated exclusively by the IRC and not subject to the provision of any other I-Codes*, other than to the extent specifically referenced. The intent of providing a stand-alone residential code is that there is no need for duplicative construction or permitting requirements within the I-Codes that would require a builder or homeowner to go out and get separate permits under the IRC and IFC for the same scope of work. Approval of this proposal will ensure the intent of the IRC scope, as a stand-alone construction document, is maintained while ensuring that the exterior fire protection features are still regulated under the scope of the IFC.

Another problem with the current language is the reference to all maintenance requirements of the IFC for IRC constructed structures. Prior to the approval of the public comment on F3-07/08, there was no specific language in the IFC that required maintenance for IRC structures in accordance with the IFC. Due to the language that was approved in F3-07/08 public comment, all of the maintenance provisions in the IFC should be being applied right now.

Looking over some of the maintenance requirements for fire alarm systems and carbon monoxide detectors it raises the questions, has the fire service been enforcing these provisions and if so how. In many states, once a one- and two family dwelling or townhouse receives its certificate of occupancy there is no more involvement with the building official. The IFC states that it is the fire official's responsibility to insure existing building meet the requirements of this code and that all buildings are maintained in accordance with its provisions? How many departments have requested entry to ensure that every existing one- and two- family dwelling is equipped with a carbon monoxide detector as required by the 2012 IFC? The current language of the IFC leaves the fire service open to liability if they are not enforcing the provisions of this code as it is written and adopted. Although some of the referenced standards in the IFC do not require maintenance on some of the system in a one-and two-family dwelling or townhouse, the inference is that maintenance is required since the term "maintenance" is utilized in 102.5 (2).

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

[A] 102.5-ADM (IFC)-APFELBECK-ORLOWSKI

Committee Action Hearing Results

Committee Action: **Disapproved**

Committee Reason: The proposed deletion is not consistent with the full intent of the code; the sentence should be refined to include regulated items. This would create a jurisdiction overlay and possible conflicts with items addressed in the IRC and IFC.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because public comments were submitted.

Public Comment 1:

Steve Orlowski representing National Association Of Home Builders, requests Approval as Modified by this Public Comment.

Further modify the proposal as follows:

IFC [A] 102.5 Application of residential code. Where structures are designed and constructed in accordance with the International Residential Code, the provisions of this code shall apply as follows:

1. Construction and design provisions: Provisions of this code pertaining to the exterior of the structure shall apply including, but not limited to, premises identification, fire apparatus access and water supplies.
2. Administrative, ~~and~~ operational and maintenance provisions: ~~All such~~ Where the *International Residential Code* references the *International Fire Code*, the provisions of this code shall apply.

Commenter's Reason: During the code development hearing, the committee agreed that there was a need for refining the current language to eliminate the duplication of overlap between permits issued under the IRC and the IFC. The committee was concerned with the elimination of the term maintenance and stated that there would be a conflict between the codes where there are provisions within the IRC that specifically reference the IFC. We feel that this public comment addresses the concerns that were raised by both the committee and those that spoke against the original proposal.

Public Comment 2:

Robert J Davidson, Davidson Code Concepts, LLC, representing self, requests Approval as Modified by this Public Comment.

Further modify the proposal as follows:

IFC [A] 102.5 Application of residential code. Where structures are designed and constructed in accordance with the International Residential Code, the provisions of this code shall apply as follows:

1. Construction and design provisions: Provisions of this code pertaining to the exterior of the structure shall apply including, but not limited to, premises identification, fire apparatus access and water supplies. Where interior or exterior systems or devices are installed and the International Residential Code specifically references this code for compliance, construction permits required by Section 105.7 of this code shall also apply.
2. Administrative, ~~and~~ operational and maintenance provisions: All such provisions of this code shall apply.

Commenter's Reason: The modified language addresses both the concern of the original proponent, i.e., a potential conflict with the scoping of the IRC, and that of objectors and the committee.

There are items where the IRC has a specific reference to the IFC for compliance during construction activities. The modified language clarifies that only when the IRC points to the IFC will the IFC construction permit processes apply for the installation of interior or exterior systems or devices.

It leaves the second item unchanged as there are regulated activities that occur in IRC constructed buildings including, but not limited to I Group uses.

ADM16-13

Final Action: AS AM AMPC____ D

ADM18-13, Part I

PART I - IBC: [A] 103.2; IEBC: [A] 103.2; IFC: [A] 103.2; IFGC: [A] 103.2; IMC: [A] 103.2; IPC: [A] 103.2; IPMC: [A] 103.2; IPSDC: [A] 103.2; IWUIC: [A] 103.2

NOTE: *PART II DID NOT RECEIVE A PUBLIC COMMENT AND IS ON THE CONSENT AGENDA. PART II IS REPRODUCED FOR INFORMATIONAL PURPOSES ONLY FOLLOWING ALL OF PART III.*

Proposed Change as Submitted

THIS IS A 3 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART III WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Thomas Peterson, Box Elder County, representing the Utah Chapter of ICC (tpeterson@boxeldercounty.org)

PART I – IBC; IEBC; IFC; IFCG; IMC; IPC; IPSDC; IPMC; IWUIC

Revise the International Building Code as follows:

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

Revise the International Existing Building Code as follows:

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

Revise the International Fire Code as follows:

IFC [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.

Revise the International Fuel Gas Code as follows:

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

Revise the International Mechanical Code as follows:

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

Revise the International Plumbing Code as follows:

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

Revise the International Private Sewage Disposal Code as follows:

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

Revise the International Property Maintenance Code as follows:

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

Revise the International Wildland-Urban Interface Code as follows:

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

Reason: The process in which a jurisdiction hires or by whom a Building/Code Official is appointed, should not be dictated by ICC and should be left up to the Jurisdiction in which he/she is being employed.

Cost Impact: No cost

R103.2-RB-PETERSON

Committee Action Hearing Results

PART I - IADMIN
Committee Action: **Disapproved**

Committee Reason: The current language is consistent with jurisdiction ordinances. Removal of the phrase "the chief appointing authority of" would cause confusion as to who is the jurisdiction.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Thomas Peterson, Box Elder County, representing self, requests Approval as Submitted.

Commenter's Reason: This code change was approved by the Residential Committee; it was disapproved by the Admin committee on the premise that if we remove the phrase "the chief appointing authority of" would cause confusion as to who is the jurisdiction. The Jurisdiction is clearly defined in the code and would not cause confusion in that regard. The ISPSC committee disapproved this code change with the following reason; "A jurisdiction is an area. An area cannot appoint a code official. The current text is proper." While I agree with their definition of a "jurisdiction" I also understand that every jurisdiction has elected officials that set policy for that specific jurisdiction. It is those elected officials responsibility to determine who and how one is hired in that jurisdiction, not ICC's.

ADM18-13, Part I
Final Action: AS AM AMPC____ D

ADM18-13, Part III
PART III - ISPSC 103.2.

NOTE: *PART II DID NOT RECEIVE A PUBLIC COMMENT AND IS ON THE CONSENT AGENDA. PART II IS REPRODUCED FOR INFORMATIONAL PURPOSES ONLY FOLLOWING ALL OF PART III.*

Proposed Change as Submitted

THIS IS A 3 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART III WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Thomas Peterson, Box Elder County, representing the Utah Chapter of ICC (tpeterson@boxeldercounty.org)

PART III – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

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

Reason: The process in which a jurisdiction hires or by whom a Building/Code Official is appointed, should not be dictated by ICC and should be left up to the Jurisdiction in which he/she is being employed.

Cost Impact: No cost

R103.2-RB-PETERSON

Committee Action Hearing Results

PART III – ISPSC
HEARD BY THE ISPSC COMMITTEE
Committee Action: **Disapproved**

Committee Reason: A jurisdiction is an area. An area cannot appoint a code official. The current text is proper.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Thomas Peterson, Box Elder County, representing self, requests Approval as Submitted.

Commenter's Reason: This code change was approved by the Residential Committee; it was disapproved by the Admin committee on the premise that if we remove the phrase "the chief appointing authority of" would cause confusion as to who is the jurisdiction. The Jurisdiction is clearly defined in the code and would not cause confusion in that regard. The ISPSC committee disapproved this code change with the following reason; "A jurisdiction is an area. An area cannot appoint a code official. The current text is proper."

While I agree with their definition of a "jurisdiction" I also understand that every jurisdiction has elected officials that set policy for that specific jurisdiction. It is those elected officials responsibility to determine who and how one is hired in that jurisdiction, not ICC's.

ADM18-13, Part III
Final Action: AS AM AMPC____ D

NOTE: PART II REPRODUCED FOR INFORMATIONAL PURPOSES ONLY – SEE ABOVE

ADM18-13, Part II
PART II - IRC: R103.2

Proposed Change as Submitted

THIS IS A 3 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART III WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Thomas Peterson, Box Elder County, representing the Utah Chapter of ICC (tpeterson@boxeldercounty.org)

PART II – IRC

Revise the International Residential Code as follows:

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

Reason: The process in which a jurisdiction hires or by whom a Building/Code Official is appointed, should not be dictated by ICC and should be left up to the Jurisdiction in which he/she is being employed.

Cost Impact: No cost

R103.2-RB-PETERSON

Public Hearing Results

PART II – IRC
HEARD BY IRC COMMITTEE
Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because they felt that who specifically makes the appointment should be left up to the jurisdiction.

Assembly Action: **None**

ADM30-13, Part II
PART II - IECC: C103.4

NOTE: *PARTS I & III DID NOT RECEIVE A PUBLIC COMMENT AND ARE ON THE CONSENT AGENDA. PARTS I AND III ARE REPRODUCED FOR INFORMATIONAL PURPOSES ONLY FOLLOWING ALL OF PART II.*

Proposed Change as Submitted

THIS IS A 3 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERICAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self. (ACApfelbeck@Altamonte.org)

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

IECC C103.4 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.

Reason: The proposed language is from 107.4 in the IBC which better describes the intent of the section. This proposal correlates the IFC requirement with the IBC so users, contractors and designers are subject to the same code provision in both codes. There is no justification for differing language in the IFC as opposed to the IBC on this topic. The current language in IFC 105.4.5, to submit corrected documents, is too specific based on the sole fact of "when field conditions necessitate. . ." Clearly, this not the only reason that revised construction documents would be needed. As an example, the owner may choose to make a revision, a design professional may value engineer a design or a contractor may change materials from the original approved construction documents. All of these items are reasons that necessitate an amended construction document submittal under the IBC but currently do not under the IFC. This proposal will match the IBC and IFC language is broad enough to addresses any condition that may cause the installation to not be in compliance with the approved construction documents.

Cost Impact: This proposal will not increase the cost of construction. The IBC already requires amended construction documents per this language.

Staff analysis: The proposed language is found in IBC Section 107.4, IEBC Section 106.4 and IRC Section R106.4.

105.4.5-ADM (IFC)-APFELBECK

Committee Action Hearing Results

PART II – IECC – Commercial
HEARD BY IECC COMMERCIAL COMMITTEE

Committee Action: **Disapproved**

Committee Reason: The proposal doesn't bring clarity to the code.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Donald Vigneau, representing Northeast Energy Efficiency Partnerships Inc., requests Approval as Submitted.

Commenter's Reason: The approvals of ADM 30-13 Parts I & III for IBC, IWUIC and IRC will not be consistent with IECC CE unless this vote is overturned. There is no legitimate reason the provisions in the other codes should not coordinate in the energy code.

ADM30-13, Part II

Final Action: AS AM AMPC____ D

NOTE: PARTS I & III REPRODUCED FOR INFORMATIONAL PURPOSES ONLY – SEE ABOVE

ADM30 – 13
PART I - IFC: [A] 105.4.5; IWUIC: [A] 108.10;
PART III - IECC: R103.4

THIS IS A 3 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERICAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Anthony C. Apfelbeck, CBO, CFPS, City of Altamonte Springs Building/Fire Safety Division, representing self. (ACApfelbeck@Altamonte.org)

PART I –IFC; IWUIC

Revise the International Fire Code as follows:

IFC [A] 105.4.5 ~~Corrected documents~~ Amended construction documents. ~~Where field conditions necessitate any substantial change from the approved construction documents, the fire code official shall have the authority to require the corrected construction documents to be submitted for approval.~~ 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.

Revise the International Wildland-Urban Interface Code as follows:

IWUIC [A] 108.10 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* documents shall be resubmitted for approval as an amended set of construction documents.

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

IECC R103.4 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.

Reason: The proposed language is from 107.4 in the IBC which better describes the intent of the section. This proposal correlates the IFC requirement with the IBC so users, contractors and designers are subject to the same code provision in both codes. There is no justification for differing language in the IFC as opposed to the IBC on this topic. The current language in IFC 105.4.5, to submit corrected documents, is too specific based on the sole fact of "when field conditions necessitate. . ." Clearly, this not the only reason that revised construction documents would be needed. As an example, the owner may choose to make a revision, a design professional may value engineer a design or a contractor may change materials from the original approved construction documents. All of these items are reasons that necessitate an amended construction document submittal under the IBC but currently do not under the IFC. This proposal will match the IBC and IFC language is broad enough to addresses any condition that may cause the installation to not be in compliance with the approved construction documents.

Cost Impact: This proposal will not increase the cost of construction. The IBC already requires amended construction documents per this language.

Staff analysis: The proposed language is found in IBC Section 107.4, IEBC Section 106.4 and IRC Section R106.4.

PART I - IADMIN
Committee Action: **Approved as Submitted**

Committee Reason: The proposed language will coordinate the IBC, IFC and IWUIC. The added language will improve consistency in document preparation. There was a suggestion that perhaps the amended construction documents should be for "substantial" rather than "any" changes. This might be interpreted to require revised drawings for minor corrections dealing with construction issues.

Assembly Action: **None**

PART III – IECC – Residential
HEARD BY IECC RESIDENTIAL COMMITTEE

Committee Action: **Approved as Submitted**

Committee Reason: This proposed language better states the intent of this section.

Assembly Action: **None**

ADM34-13
IFC [A] 105.7.12 (New)

Proposed Change as Submitted

THIS CHANGE WILL BE HEARD BY THE FIRE CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMMITTEE.

Proponent: Ian Hardage, San Ramon Valley Fire Protection District (ihardage@srvfire.ca.gov) and Amber Anderson, Cosumnes CSD Fire Department (AmberAnderson@csdfire.com**)**, representing California Fire Chiefs Association

Revise the International Fire Code as follows:

IFC [A] 105.7.12 Mechanical refrigeration. A construction permit is required for the installation of or modification to a mechanical refrigeration unit or system.

(Renumber subsequent sections)

Reason: Currently only an operational permit is required to operate a mechanical refrigeration unit or system regulated by Chapter 6. In order for these systems to be maintained and operated in compliance with Chapter 6, these units or systems must be compliant with Chapter 6 at time of installation. Not all requirements of IFC Chapter 6 are found in the IMC, ASHRAE 15, or IIAR 2. Specifically, IFC, Sections 606.5, 606.10.1.2, and 606.12.3 which provide fire code officials the opportunity to provide mechanical refrigeration system installation design criteria and or exceptions.

It is not uncommon for mechanical refrigeration systems to be installed, replaced or modified without fire department knowledge or input until they are found on an emergency call or during a facility inspection. Other systems sensitive to change such as stationary battery systems, compressed gases, hazardous materials, and flammable and combustible liquids require a construction permit as found in IFC Section 105.7. The same opportunity is needed for mechanical refrigeration systems.

Increases in construction costs would only occur if an authority having jurisdiction chose to implement a separate fee for permit. All other costs such as design drawings and construction of the system should already be included in the original design budget. We feel that any cost increase by an AHJ would likely be significantly less than any delays in construction or operation of the system when such system is determined to be non-compliant with codes and standards enforced by the fire code official at a time less than ideal for the customer such as at final inspection.

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

105.7.12 (NEW)-ADM (IFC)-ANDERSON-HARDAGE

Committee Action Hearing Results

Committee Action: **Approved as Modified**
HEARD BY THE IFC COMMITTEE

Further modify the proposal as follows:

IFC [A] 105.7.12 Mechanical refrigeration. A construction permit is required for the installation of or modification to a mechanical refrigeration unit or system regulated by Chapter 6.

Committee Reason: The committee agreed that, in addition to the operational permit required by Section 105.6.38, a construction permit is needed to provide the fire code official with the ability to review plans and specifications for new or modified refrigeration systems. The modification will limit the requirement to built-in refrigeration systems addressed in Chapter 6, not all refrigeration systems or equipment.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Jeffrey M. Shapiro, P.E., International Code Consultants, representing International Institute of Ammonia Refrigeration, requests Disapproval.

Commenter's Reason: The requirement to obtain a fire code construction permit for installation of refrigeration systems creates unnecessary overlap between the IFC and IMC. Many of the IFC Code Development Committee members recognized this. The Committee's initial motion for this item was Disapproval, and that motion narrowly lost by a vote of 6:8.

Every refrigeration system covered in IFC Chapter 6 already requires an IMC construction permit, which covers the entire system installation. In contrast, the IFC contains only a few construction related requirements for refrigeration systems, and nearly all of these are duplicated in or referenced by the IMC, ASHRAE 15 and/or IIAR 2. It is true that some fire departments, but certainly not all, have varying levels of interest in mechanical refrigeration systems. However, fire department participation in the construction process for these systems has long been accomplished through a cooperative relationship between fire and mechanical code officials under the existing mechanical code permit requirement.

The solution for cases where there is a lack of coordination between fire and mechanical code officials, perhaps because they aren't getting along, should not be adding another layer of bureaucracy via an additional permit requirement. If anything, competing permits and approval authority may make a bad situation worse, putting the designer and the owner in the middle of a conflict between code enforcement agencies.

It also makes no sense to single out refrigeration systems for a fire code construction permit when there are many other mechanical systems, such as fuel fired appliances, hazardous product exhaust systems and cooking hoods, that are covered in the IFC but defer to the IMC for construction permits.

Finally, the original justification statement for this proposal stated *"It is not uncommon for mechanical refrigeration systems to be installed, replaced or modified without fire department knowledge or input until they are found on an emergency call or during a facility inspection."* If the fire code official is enforcing the current operational permit requirement for these systems, that shouldn't happen.

ADM34-13

Final Action: AS AM AMPC____ D

ADM37-13
IEBC: 106.2.6 (New), Chapter 16

Proposed Change as Submitted

THIS CHANGE WILL BE HEARD BY THE EXISTING BUILDING CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THIS COMMMITTEE.

Proponent: Rebecca Morley, representing National Center for Healthy Housing

Add new text to the International Existing Building Code as follows:

IEBC 106.2.6 Certifications and plans where painted surfaces are disturbed. Where a Group E, I-4, R-2, R-3 or R-4 occupancy was completed prior to 1978 and repair, alteration or addition being performed will result in the disturbance of painted surfaces, the contractor shall provide to the code official one of the following:

1. Copies of EPA or state renovation firm certification, renovator certification and a plan for compliance for renovations in accordance with 40 CFR 745 requirements for renovations.
2. Documentation from an approved test in accordance with 40 CFR 745.82(a)(1) or (2) that shows that the disturbed paint contains lead that is below specified levels.

Add the following standard to IEBC Chapter 16:

EPA	U.S. Environmental Protection Agency
40 CFR 745	Lead-Based Paint Poisoning Prevention in Certain Residential Structures – July 1, 2012

Reason: Section 106 covers construction documents, and the specific provisions include fire protection drawings, means of egress, exterior wall envelope and site plans. This code change proposal, 106.2.6, adds a simple requirement that permit applicants include, with the other construction documents, evidence of compliance with health-protective requirements to protect children from lead poisoning during additions, alterations, and repairs to pre-1978 homes.

The purpose of this proposed code language is to incorporate protection from lead-based paint into the Code through the requirement for construction documents. Once the Code requires permit applicants to demonstrate up front their knowledge of, and plans to follow, the federal and state renovation rule requirements, the code official will be positioned to provide important oversight and leadership in preventing lead poisoning without even leaving the office. This oversight will help level the playing field between contractors who are complying with the rule and noncompliant entities who are under-pricing and undercutting their competitors. By merely asking an applicant for the missing documents, the code official can influence entities not following the law into compliance before the work even starts. In a few cases, these entities may be unaware of the regulations. Although these regulations have been in effect since April 2010, and have been adopted by 12 states, reported non-compliance is affecting the compliant contractor and continuing the problem of lead poisoning in the US.

The proposed "plan that indicates compliance with the federal disclosure and work practice requirements" can take different forms depending on what documents the builder is already using. Some builders who work on pre-1978 homes are already using a form to track their upfront assessments and another form for recordkeeping. Anyone working in pre-1978 homes should have an EPA or state certification for their firm, along with at least one individual renovator certification that the renovator received at the end of the required one-day training course. dispersal of lead before, during, and after work performed on a pre-1978 home. These requirements are already in effect in federal and state regulation.

The plan and certifications would only be needed for a structure likely to contain lead-based paint: a pre-1978 home. As noted under the exception, the requirement is waived if paint testing proves that the paint is not lead-based paint. A rebuttable presumption of lead's presence allows the builder to demonstrate that lead is not present and obtain exemption from the requirements. EPA-approved tests include lead-based paint inspection or risk assessment, test kit used by a certified renovator, and collection of a lead-based paint chips for laboratory analysis.

Renovation of painted surfaces is a significant source of lead dust that poisons children. The dangers associated with lead poisoning are well-known: serious health effects, detrimental effects on cognitive and behavioral development, with serious personal and social consequences that may persist throughout their lifetime.

Multiple studies have demonstrated that lead dust is the major source of lead poisoning for young children. There is no safe level of lead exposure for children; lead affects intelligence even at very low levels.[1,2,5,8,9] Indeed, the rate of IQ loss per 1 microgram of lead per deciliter of blood (µg/dL) is greatest at lead levels below 10 µg/dL. As a child's BLL increases from 1 to 10 µg/dL, experts estimate a child may lose anywhere from 3.9 to 7.4 IQ points, but from 10 to 30 µg/dL the decrement is 2.5 to 3.0 IQ points. Low-level chronic exposure may have an even greater effect on IQ than a single instance of very high BLL.[10]

Research indicates that a five-point negative shift in IQ at the population level would increase the number of children with an "extremely low" IQ by 57%, substantially increasing the cost of special education programs.[3] Considering the costs to the special education system alone, one study conservatively estimated that it costs $38,000 over three years to educate a child with lead poisoning.[11] Low-level exposure to lead has also been linked to factors other than IQ that can further impact educational outcomes. EBLLs are associated with Attention Deficit Hyperactivity Disorder (ADHD) and antisocial behavior, which in turn increase the likelihood of conduct disorder, criminal activity, and drug abuse.[1,4] Each 1 µg/dL reduction in the average preschool blood lead level saves $13.4 billion from the direct and indirect costs of crime.[1]

Several recent studies have explored the specific effects of lead on educational outcomes. These studies show a strong relationship between slightly elevated blood lead levels in young children and decreased scores on end-of-grade tests in elementary school. While similar educational effects were documented for higher blood levels decades ago,[12] the recent studies confirm that the connection between blood lead and poor educational outcomes remains true for blood levels as low as 3-4 µg/dL. A more recent study of 57,000 North Carolina children found that children with a BLL as low as 4 µg/dL at three years of age were significantly more likely to be classified as learning-disabled than children with a BLL of 1 µg/dL.[6]

The consequences of lead exposure are clear. This code change proposal seeks to reduce the risk – and level the playing field among contractors working on pre-1978 properties.

The EPA 40 CFR 745 standard is available at http://www.gpo.gov/fdsys/pkg/CFR-2012-title40-vol32/xml/CFR-2012-title40-vol32-part745.xml.

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Cost Impact: This code change proposal will not increase the cost of construction.

Staff analysis: A review of the standard proposed for inclusion in the code, NFPA 914 with regard to the ICC criteria for referenced standards (Section 3.6 of CP#28) will be posted on the ICC website on or before April 1, 2013.

106.2.6 (NEW)-ADM (IEBC)-MORLEY

Committee Action Hearing Results

Committee Action: **Disapproved**

HEARD BY THE IEBC COMMITTEE

Committee Reason: The proposal was disapproved for several reasons. First, the committee felt that technical requirements should not be located in Chapter 1. Secondly, there was discomfort with having to enforce federal regulations as a local building official. This would expand the building official's role inappropriately. Finally, there was concern with what would be expected in terms of accepting and approving a plan as required by this proposal. There was also concern with the accuracy of the lead tests available.

For staff analysis of the content of EPA 40 CFR 745-July 1, 2012 relative to CP#28, Section 3.6, please visit: http://www.iccsafe.org/cs/codes/Documents/2012-2014Cycle/Proposed-B/ProposedStandards.pdf.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Mark Henshall, representing US Environmental Protection Agency, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

IEBC 106.2.6 Certifications ~~and plans~~ where painted surfaces are disturbed. Where a Group ~~E, I-4,~~ R-2, R-3 or R-4 occupancies was completed prior to 1978 and repair, alteration or additions being performed will result in the disturbance of painted surfaces, the contractor shall provide to the code official ~~one of the following:~~

~~1.~~ a copy of a current Renovation Repair and Painting firm certification issued by either EPA per 40 CFR 745.89 or by a state program authorized by EPA per 40 CFR 745 Subpart Q. ~~Copies of EPA or state renovation firm certification, renovator certification and a plan for compliance for renovations in accordance with 40 CFR 745 requirements for renovations.~~

~~2. Documentation from an approved test in accordance with 40 CFR 745.82(a)(1) or (2) that shows that the disturbed paint contains lead that is below specified levels.~~

Add the following standard to IEBC Chapter 16:

EPA	U.S. Environmental Protection Agency
40 CFR 745	Lead-Based Paint Poisoning Prevention in Certain Residential Structures – July 1, 2012

Commenter's Reason: Section 106 covers construction documents, and the specific provisions include fire protection drawings, means of egress, exterior wall envelope and site plans. This code change proposal adds a requirement that permit applicants include, with the other construction documents, evidence of compliance with the firm certification requirements of EPA's or an authorized states Renovation, Repair and Painting Regulation program. The local building code official would have no other responsibility than to request a copy of a current Renovation Repair and Painting firm certification.

EPA's 2008 Lead-Based Paint Renovation, Repair and Painting (RRP) Rule aims to protect the public from lead-based paint hazards associated with renovation, repair and painting activities. These activities can create hazardous lead dust when surfaces with lead paint, are disturbed. The rule requires workers to be certified and trained in the use of lead-safe work practices, and requires renovation, repair and painting firms to be EPA-certified. This training and adherence to lead-safe work practices will help ensure residents are not exposed to hazardous levels of lead contaminated dust.

The original proposal required "a plan for compliance for renovations in accordance with 40 CFR 745 requirements for renovations." Questions were raised as to what constituted a plan and what would be expected in terms of the code official approving such a plan. In addition, the original proposal could be interpreted to mean that local building officials were being asked to enforce a federal regulation. This modification to the original proposal has addressed these concerns. Because this proposal is not a technical requirement, it is appropriate to include in Chapter 1.

ADM37-13

Final Action: AS AM AMPC____ D

ADM38-13
IFC: 106.3 (New), 113.2

Proposed Change as Submitted

Proponent: Carl Baldassarra, P.E., FSFPE, Chair, ICC Code Technology Committee (cbaldassarra@rjagroup.com)

Add new text to the International Fire Code as follows:

IFC [A] 106.3 Periodic building fire safety inspections. In addition to any other inspections required or authorized by this code, all buildings shall be subjected to periodic building fire safety inspections in compliance with the requirements of Sections 106.3.1 through 106.3.6.

Exceptions: Periodic building fire safety inspections shall not be required in any of the following:

1. Buildings classified as Group U occupancies that are associated with Group R-3 occupancies.
2. Dwelling units in Group R-2 and Group R-3 occupancies.
3. Dwelling units constructed in accordance with the *International Residential Code*.

IFC [A] 106.3.1 Scope. The scope of periodic building fire safety inspections shall include the maintenance of safeguards as required by Section 107.1; the maintenance of the means of egress, fire-resistance-rated construction, and fire protection systems; storage arrangements, including hazardous material and combustible material storage; evidence of unlawful alterations; compliance with the fire safety and evacuation plan requirements of Chapter 4; recordkeeping, housekeeping and such other requirements as determined by the *fire code official*.

IFC [A] 106.3.2 Inspecting entity. Periodic building fire safety inspections required by Section 106.3 shall be conducted by the *fire code official*.

Exception: Where the *fire code official* determines that periodic fire safety inspections shall be conducted by an *approved* third party.

IFC [A] 106.3.3 Inspector qualifications. *Fire code officials* and *approved* third parties conducting periodic building fire safety inspections required by Section 106.3 shall, at a minimum, be certified through a recognized fire inspector certification program.

Exception: Where the building is subject to a building fire safety inspection program approved by the *fire code official*.

IFC [A] 106.3.4 Frequency of inspection. The minimum required frequency of periodic building fire safety inspections shall be determined by the *fire code official* based upon the *fire code official's* assessment of the risk or once every 5 years.

IFC [A] 106.3.5 Filings. Inspection reports for periodic building fire safety inspections conducted by an *approved* third party in accordance with Section 106.3.2 shall be submitted to the *fire code official* in accordance with the frequency of inspection schedule established by the *fire code official* in accordance with Section 106.3.4. The *fire code official* has the authority to prescribe the form and format of such report.

IFC [A] 106.3.6 Not a limitation on inspection authority. Periodic building fire safety inspections required by Section 106.3 shall not be construed to limit the *fire code official's* inspection authority pursuant to other sections of this code.

(Renumber subsequent sections)

Revise the International Fire Code as follows:

IFC [A] SECTION 113
FEES

IFC [A] 113.2 Schedule of ~~permit~~ fees. A fee for each permit, and fees associated with establishing a program to implement the requirement for periodic building fire safety inspections in accordance with Section 106.3, shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

Reason: This proposed change is a result of the CTC's investigation of the area of study entitled "NIST Charleston Sofa Store Fire Recommendations". The scope of the activity is noted as:

Review the NIST and other investigative reports on the fire that occurred on the evening of June 18, 2007 in the Sofa Super Store in Charleston, South Carolina to identify issues that can be addressed by the International Codes.

In connection with their investigation, NIST analyzed the fire ground, consulted with other experts, and performed computer simulations of fire growth alternatives. Based on these analyses, NIST concluded that the following sequence of events is likely to have occurred. A fire began in packing material and discarded furniture outside an enclosed loading dock area. The fire spread to the loading dock, then into both the retail showroom and warehouse spaces. During the early stages of the fire in the two latter locations, the fire spread was slowed by the limited supply of fresh air. This under-ventilation led to generation of a large mass of pyrolyzed and only partially oxidized effluent. The smoke and combustible gases flowed into the interstitial space below the roof and above the suspended ceiling of the main retail showroom. As this space filled with unburned fuel, the hot smoke also seeped through the suspended ceiling into the main showroom and formed a hot smoke layer below the suspended ceiling. Up to this time, the extent of fire spread into the interstitial space was not visible to fire fighters in the store. If the fire spread had been visible to the fire fighters in the store, it would have provided a direct indication of a fire hazard in the showroom. Meanwhile, the fire at the back of the main showroom and the gas mixture below the suspended ceiling were both still fuel rich. When the front windows were broken out or vented, the inflow of additional air allowed the heat release rate of the fire to intensify rapidly and added air to the layer of unburned fuel below the suspended ceiling enabling the ignition of the unburned fuel/air mixture. The fire swept from the rear to the front of the main showroom extremely quickly, and then into the west and east showrooms. Nine fire fighters were killed in the Sofa Super Store fire. NIST developed eleven recommendations to help mitigate such future losses.

Recommendation 2 of the NIST report reads as follows:

"Model Building and Fire Code Enforcement: NIST recommends that all state and local jurisdictions implement aggressive and effective fire inspection and enforcement programs that address:
a) all aspects of the building and fire codes;
b) adequate documentation of building permits and alterations;
c) means of fire protection systems inspection and detailed recordkeeping;
d) frequency and rigor of fire inspections, including follow-up and auditing procedures; and
e) guidelines for remedial requirements when inspections identify deviations from code provisions."

Following a review of recommendation 2 of the NIST report, a new section, 106.3, is proposed.

Section 106.3 requires that all buildings, with certain exceptions as listed in the section, be subjected to periodic building fire safety inspections in accordance with the requirements of Sections 106.3.1 through 106.3.6. The exception includes dwelling units in Group R-2 and Group R-3 occupancies, Group U occupancies associated with Group R-3 occupancies, and dwelling units constructed in accordance with the International Residential Code.

The purpose of requiring periodic building fire safety inspections is to help ensure that buildings are operated and maintained in accordance with the intent of the International Fire Code, as set forth in Section 101.3. There is little benefit to having an International Fire Code that includes periodic inspection, testing and maintenance requirements intended to ensure that a building is maintained in a safe condition unless there is a mechanism inherent in such code that provides the fire code official with reasonable assurances that they are being complied with. The 18th century phrase "a chain is only as strong as its weakest link" appropriately describes the reality of Building and Fire Codes being adopted in a jurisdiction, but not comprehensively enforced.

The NIST report offers several other recommendations that are not addressed in this proposal. The CTC has investigated all of the NIST recommendations and has, as deemed appropriate, submitted separate code changes in response. These separate code change proposals address the following: fire inspector, and fire plan examiner qualifications and certifications; detailed recordkeeping requirements; and required automatic sprinkler protection for existing Group F-1, M and S-1 occupancies that manufacture, store or sell upholstered furniture or mattresses that undergoing an Alteration 3 renovation. It is these proposals, coupled with the proposed requirement for a periodic building fire safety inspection, which will help fire code officials in their efforts to ensure that all buildings, not just buildings storing or selling upholstered furniture and mattresses, are constructed, operated and maintained in a manner that provides a prudent level of fire safety for building occupants and firefighters. The importance of fire prevention in the overall safety to building occupants and the protection of property cannot be overemphasized. It is interesting to note that the report "America Burning", a report published by the Federal Government in the early 1970's, recommended a "balance" of 50/50 between public fire department expenditures on suppression and fire prevention. This report can be found at http://www.usfa.fema.gov/downloads/pdf/publications/fa-264.pdf.

Section 106.3.1 defines the scope of periodic building fire safety inspections to include the maintenance of means of egress, fire-resistant-rated construction, and fire protection systems; evidence of unlawful alterations; compliance with the fire safety and evacuation plan required by Chapter 4 of the Fire Code; recordkeeping, housekeeping and such other requirements as determined by the fire code official.

Section 106.3.2 requires that periodic building fire safety inspections be conducted by the fire code official unless the fire code official determines that the inspection shall be conducted by an approved third party.
Section 106.3.2 acknowledges that the primary and preferred entity authorized to conduct periodic building fire safety inspections is the fire code official, but recognizes that certain jurisdictions may choose to require such inspection to be conducted by an approved third party. This section places no duty or liability on the fire code official to conduct periodic building fire safety inspections, it merely identifies them as the primary and preferred entity to do so.

Section 106.3.3 establishes qualifications for the inspector conducting periodic building fire safety inspections. Such inspector qualification requirement would not apply to buildings that are subjected to a building fire safety inspection program when approved by the fire code official. This section requires that inspectors conducting such inspections, at a minimum, be certified through a recognized fire inspector certification program. If the fire code officials choose to conduct periodic building fire safety inspections, they would be required to have such inspections conducted by individuals that meet this certification requirement. However, as previously stated, the fire code official has no duty or liability to conduct such inspections and therefore no obligation to employ certified inspectors. Approved third party individuals conducting such inspections, except as noted above, would be required to comply with this certification requirement. The section authorizes the fire code official to accept any recognized certification program for such fire inspectors.

Section 106.3.4 requires that the minimum frequency of periodic building fire safety inspections be determined by the fire code official based upon the fire code official's assessment of the risk or once every 5 years. As stated previously, certain buildings, as identified in Section 106.3, would not require periodic building fire safety inspections. For those buildings requiring periodic building fire safety inspections, 5 years was chosen as the maximum time to be allowed between such inspections, unless the fire code official's assessment of the building risk determines that a shorter or longer period should apply.
A building risk assessment would require that many factors be considered on a case-by-case basis, including but not limited to consideration of the building's occupancy Group; occupant load; building height and floor area; construction type and features; fire protection systems; layout and use of the building; size, type and configuration of the fuel load; vulnerability of the building occupants; history and severity of noncompliance with fire safety requirements; incidence of fire and other considerations relevant to the fire risk presented to building occupants and firefighters by such building.
Section 106.3.5 requires that inspection reports for periodic building fire safety inspections conducted by an approved third party be submitted to the fire code official in accordance with the frequency of inspection schedule established by the fire code official. This requirement would help the fire code official identify those buildings not in compliance with the periodic building fire safety inspection requirement. Fire code officials can then take appropriate enforcement action against such building owners to achieve compliance. The proposed change would also allow the fire code official to prescribe the form and format of such report, thereby facilitating its review.

Section 106.3.6 makes it clear that the periodic building fire safety inspection required by Section 106.3 does not limit the fire code official's authority to inspect a building under other provisions of the International Fire Code, including Section 104.3.

The proposed change to Section 113.2 would authorize the fire code official to establish fees associated with implementing a periodic building fire safety inspection program. Jurisdictions that act on this authority would help provide themselves with the economic resource they require to administer the program.
This proposal is submitted by the ICC Code Technology Committee. The ICC Board established the ICC Code Technology Committee (CTC) as the venue to discuss contemporary code issues in a committee setting which provides the necessary time and flexibility to allow for full participation and input by any interested party. The code issues are assigned to the CTC by the ICC Board as "areas of study". Information on the CTC, including: meeting agendas; minutes; reports; resource documents; presentations; and all other materials developed in conjunction with the CTC effort can be downloaded from the following website: http://www.iccsafe.org/cs/CTC/Pages/default.aspx. Since its inception in April/2005, the CTC has held twenty-five meetings - all open to the public. In 2012, three of the 25 face-to face meetings were held. In addition to the CTC meetings, the CTC established Study Groups (SG) of interested parties for each of the areas of study. These SG's are responsible for reviewing the available information and making recommendations to the CTC. All totaled, the SG's held over 70 conference calls in 2012.

Cost Impact: This code change proposal will not increase the cost of construction.

106.3 (NEW)-ADM (IFC)-BALDASSARRA-CTC

Committee Action Hearing Results

Committee Action: **Disapproved**

Committee Reason: The certification program is too narrow. It is necessary to clarify that the 'risk assessment' would allow for both more or less than a 5 year time frame. Would the Group R-2 and R-3 exceptions include residential facilities such as dormitories and congregate residences where there might be the same privacy issues as apartments? The proposal seems to regulate the fire official rather than the building. It is unclear on how the fees for this will be addressed.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Robert J Davidson, Davidson Code Concepts, LLC, representing self, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

IFC [A] 106.3 Periodic building fire safety inspections. In addition to any other inspections required or authorized by this code, all buildings shall be subjected to periodic building fire safety inspections in compliance with the requirements of Sections 106.3.1 through 106.3.6.

~~**Exceptions:** Periodic building fire safety inspections shall not be required in any of the following:~~

1. ~~Buildings classified as Group U occupancies that are associated with Group R-3 occupancies.~~
2. ~~Dwelling units in Group R-2 and Group R-3 occupancies.~~
3. ~~Dwelling units constructed in accordance with the *International Residential Code*.~~

IFC [A] 106.3.3 Inspector qualifications. *Fire code officials* and *approved* third parties conducting periodic building fire safety inspections required by Section 106.3 shall, at a minimum, be certified through a recognized fire inspector certification program or have a level of applicable experience commensurate with the duties assigned as determined by the jurisdiction.

~~**Exception:** Where the building is subject to a building fire safety inspection program approved by the *fire code official*.~~

IFC [A] 106.3.4 Frequency of inspection. The minimum required frequency of periodic building fire safety inspections shall be determined by the *fire code official* ~~based upon the *fire code official's* assessment of the risk~~ or at least once every 5 years. For low hazard occupancies the fire code official may extend the length of time between periodic inspections beyond 5 years.

IFC [A] SECTION 113
FEES

IFC [A] 113.2 Schedule of ~~permit~~ fees. A fee for each permit, and a fee~~s associated with establishing a program to implement the requirement~~ for periodic building fire safety inspections in accordance with Section 106.3, shall be paid as required, in accordance with the schedule as established by the applicable governing authority.

(Portions of proposal not shown remain unchanged)

Commenter's Reason: To address the committee concerns the following modifications were made.

In IFC [A] 106.3 the exceptions are proposed to be deleted. The Scope and Applicability of the Fire Code is already provided for in Sections 101 and 102.

In IFC [A] 106.3.3 language has been added to broaden the qualifications by providing for the jurisdiction to set a level of applicable experience as a qualification.

IFC [A] 106.3.4 was modified to take out a reference to "risk assessment" which caused the greatest objection and to clarify as requested by the committed that the fire code official can set a schedule greater than every five years for some occupancies.

The language in the fee section was clarified. If the jurisdiction establishes a schedule as already permitted by this section for periodic inspections it will apply.

ADM38-13

Final Action: AS AM AMPC____ D

ADM42-13
IBC: [A] 107.1.1 (New)

Proposed Change as Submitted

Proponent: Philip Brazil, P.E., S.E., Senior Structural Engineer, Reid Middleton, Inc., representing self

Add new text to the International Building Code as follows:

IBC [A] 107.1.1 Structural reports and certificates. Structural reports and certificates shall be submitted by the owner or the owner's authorized agent to the *building official* in accordance with Section 1704.5.

Reason: The purpose for this proposal is for correlation with a proposal that adds a new Section 1704.5 specifying submittals to the building official, which are typically related to the structural design of the building or structure, and are typically submitted during construction.

Note that separate proposals:

1. Transfer the requirements of Section 1705.12.1 to new Section 1704.5;
2. Add additional requirements for submittals that are related to structural steel;
3. Add additional requirements for submittals that are related to the welding of concrete reinforcement and anchor bolts;
4. Add additional requirements for submittals that are related to masonry; and
5. Change "the owner" to "the owner or the owner's authorized agent".

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

107.1.1 (NEW)-ADM (IBC)-BRAZIL

Committee Action Hearing Results

Committee Action: **Disapproval**

Committee Reason: Inspections and reports are already generically addressed in Chapter 17. These provisions might be located better in Section 107.2. The language needs to be limited to special inspections.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Maureen Traxler, representing City of Seattle Dept of Planning & Development, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

IBC [A] ~~107.1.1~~ 107.2.6 Structural reports and certificates. Structural reports and certificates shall be submitted by the owner or the owner's authorized agent to the *building official* ~~in accordance with~~ where required by Section 1704.5.

Commenter's Reason: The modification to the proposal responds to the issues raised by the Administrative Provisions Committee. The proposed modification would insert the new section at the end of Section 107.2 where it would follow the other information required to be submitted with construction documents. The new section is modified to state that structural reports would be required only when required by Section 1704.5. While Chapter 17 does require that these reports be submitted, it is helpful to

have a provision in Chapter 1 stating that these reports and certificates are part of the construction documents for the permit application. Note that Section 1704.5 was rewritten for the 2015 IBC as part of Group A.

ADM42-13

Final Action: AS AM AMPC____ D

ADM46-13
IBC: [A] 107.3.4.1, 202; IEBC: [A] 106.3.4, 202

Proposed Change as Submitted

Proponent: Maureen Traxler, City of Seattle, representing Seattle Department of Planning and Development (maureen.traxler@seattle.gov)

Revise the International Building Code as follows:

IBC [A] 107.3.4.1 Deferred submittals. ~~For the purposes of this section, deferred submittals are defined as those portions of the design that are not submitted at the time of the application and that are to be submitted to the *building official* within a specified period.~~

Deferral of any submittal items shall have the prior approval of the *building official*. The *registered design professional in responsible charge* shall list the deferred submittals on the *construction documents* for review by the *building official*.

Documents for deferred submittal items shall be submitted to the *registered design professional in responsible charge* who shall review them and forward them to the *building official* with a notation indicating that the deferred submittal documents have been reviewed and found to be in general conformance to the design of the building. The deferred submittal items shall not be installed until the deferred submittal documents have been *approved* by the *building official*.

Add new definition as follows:

IBC SECTION 202
DEFINITIONS

DEFERRED SUBMITTAL. Those portions of the design that are not submitted at the time of the application and that are to be submitted to the *building official* within a specified period.

Revise the International Existing Building Code as follows:

IEBC [A] 106.3.4 Deferred submittals. ~~For the purposes of this section, deferred submittals are defined as those portions of the design that are not submitted at the time of the application and that are to be submitted to the *code official* within a specified period~~.

Deferral of any submittal items shall have the prior approval of the *code official*. The *registered design professional in responsible charge* shall list the deferred submittals on the construction documents for review by the *code official*.

Submittal documents for deferred submittal items shall be submitted to the *registered design professional in responsible charge* who shall review them and forward them to the *code official* with a notation indicating that the deferred submittal documents have been reviewed and that they have been found to be in general conformance to the design of the building. The deferred submittal items shall not be installed until their deferred submittal documents have been approved by the *code official*.

Add new definition as follows:

IEBC SECTION 202
DEFINITIONS

DEFERRED SUBMITTAL. Those portions of the design that are not submitted at the time of the application and that are to be submitted to the *code official* within a specified period.

Reason: A definition of "deferred submittal" is buried in IBC Section 107.3.4.1 and IEBC 106.3.4. This proposal moves the definition to Section 202. The term is used at least two places in the code, so placing the definition in Chapter 2 will make it easier to find when applying those sections.

Cost Impact: None.

[A] 107.3.4.1-ADM (IBC)-TRAXLER

Committee Action Hearing Results

Committee Action: **Approved as Modified**

Further revise the International Building Code as follows:

IBC [A] 107.3.4.1 Deferred submittals. ~~Deferral of~~ Any *deferred submittal* items shall have the prior approval of the *building official*. The *registered design professional in responsible charge* shall list the deferred submittals on the *construction documents* for review by the *building official*.

Documents for *deferred submittal* items shall be submitted to the *registered design professional in responsible charge* who shall review them and forward them to the *building official* with a notation indicating that the *deferred submittal* documents have been reviewed and found to be in general conformance to the design of the building. The *deferred submittal* items shall not be installed until the *deferred submittal* documents have been *approved* by the *building official*.

Further revise the International Existing Building Code as follows:

IEBC [A] 106.3.4 Deferred submittals. ~~Deferral of~~ Any *deferred submittal* items shall have the prior approval of the *code official*. The *registered design professional in responsible charge* shall list the *deferred submittals* on the construction documents for review by the *code official*.

Submittal documents for *deferred submittal* items shall be submitted to the *registered design professional in responsible charge* who shall review them and forward them to the *code official* with a notation indicating that the *deferred submittal* documents have been reviewed and that they have been found to be in general conformance to the design of the building. The *deferred submittal* items shall not be installed until their *deferred submittal* documents have been approved by the *code official*.

Committee Reason: The modification will use the defined term in the text. 'Deferred submittal' as a defined term is cleaner and easier to understand.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Maureen Traxler, representing City of Seattle Dept of Planning & Development, requests Approval as Submitted.

Commenter's Reason: The Code Development Committee approved a floor modification that slightly changed the meaning of IBC Section 107.3.4.1. It's not the deferred items that should have prior approval, it's the deferral of the submittals for those items. This provision is meant to require applicants to get the code official's approval before deferring any submittal. Approval of the deferred submittal items occurs after they've been submitted.

ADM46-13

Final Action: AS AM AMPC____ D

ADM47-13, Part IV
PART II - IECC: C103.4

NOTE: *PARTS I, II & III DID NOT RECEIVE A PUBLIC COMMENT AND IS ON THE CONSENT AGENDA. PARTS I, II AND III ARE REPRODUCED FOR INFORMATIONAL PURPOSES ONLY FOLLOWING ALL OF PART IV.*

Proposed Change as Submitted

THIS IS A 4 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Michael D. Fischer, Kellen Company, representing the American Institute of Building Design (mfischer@kellencompany.com)

PART IV – IRC

Add new text to the International Residential Code as follows:

IRC R106.6 Copyright protection. The *building official* shall establish procedures to prevent improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted materials including building designs, floor plans, elevations, engineering designs, and other architectural features.

Reason: The code requires that construction documents be kept on file and generally available to the public. The code does not include safeguards to ensure that the building department at the least will honor the copyrighted works that are part and parcel of most projects. Local copy and print centers honor such copyright protection by declining to duplicate copyrighted works without permission of the author. It is not unreasonable to expect similar efforts by governmental agencies.

Cost Impact: None.

R106.6 (NEW)-RB-FISCHER

Committee Action Hearing Results

PART IV - IRC
HEARD BY IRC COMMITTEE

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this code change proposal because they felt that the protection afforded in the proposal already exists in federal law. This proposal would not change the application of this section. Drawings are already typically copyrighted.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Michael D. Fischer, Kellen Company, representing American Institute of Building Design, requests Approval as Modified by this Public Comment.

Replace the proposal with the following:

R106.5 Retention of construction documents. One set of *approved construction documents* shall be retained by the *building 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.

R106.5.1 Copyright protection. The *building official* shall issue a notice regarding the departmental policy on improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted information.

Commenter's Reason: During the debate and committee discussion on the original proposal, concerns were raised about potential conflict with state or local public record laws. The proposed modification removes the requirement that the code official establish procedures regarding copyright protection, and replaces it with a requirement to issue a notice outlining the department policy. With notice appropriately provided to the public by the building department, the likelihood that a member of the public will improperly reuse copyrighted materials is lessened. The modification will allow the building official to address the issue of copyright protection while complying with applicable FOIL requirements.

ADM47-13, Part IV

Final Action: AS AM AMPC____ D

NOTE: PARTS I, II & III REPRODUCED FOR INFORMATIONAL PURPOSES ONLY – SEE ABOVE

ADM47 – 13
PART I - IBC: [A] 107.6 (New); IEBC: [A] 106.6 (New); IWUIC: [A] 108.9 (New)
PART II - IECC: C103.6 (New);
PART III - IECC: R103.6 (New);

THIS IS A 4 PART CODE CHANGE. PART I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Michael D. Fischer, Kellen Company, representing the American Institute of Building Design (mfischer@kellencompany.com)

PART I – IBC; IEBC; IWUIC

Add new text to the International Building Code as follows:

IBC 107.6 Copyright protection. The *building official* shall establish procedures to prevent improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted materials including building designs, floor plans, elevations, engineering designs, and other architectural features.

Add new text to the International Existing Building Code as follows:

IEBC 106.6 Copyright protection. The *building official* shall establish procedures to prevent improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted materials including building designs, floor plans, elevations, engineering designs, and other architectural features.

(Renumber subsequent sections)

Add new text to the International Wildland-Urban Interface Code as follows:

IWUIC 108.9 Copyright protection. The *building official* shall establish procedures to prevent improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted materials including building designs, floor plans, elevations, engineering designs, and other architectural features.

(Renumber subsequent sections)

PART II – IECC-COMMERCIAL

Add new text to the International Energy Conservation Code-Commercial as follows:

R106.6 Copyright protection. The *building official* shall establish procedures to prevent improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted materials including building designs, floor plans, elevations, engineering designs, and other architectural features.

PART III – IECC-RESIDENTIAL

Add new text to the International Energy Conservation Code-Residential as follows:

R106.6 Copyright protection. The *building official* shall establish procedures to prevent improper or unauthorized duplication, reuse, or dissemination to the public, of retained *construction documents* that contain copyrighted materials including building designs, floor plans, elevations, engineering designs, and other architectural features.

Reason: The code requires that construction documents be kept on file and generally available to the public. The code does not include safeguards to ensure that the building department at the least will honor the copyrighted works that are part and parcel of most projects. Local copy and print centers honor such copyright protection by declining to duplicate copyrighted works without permission of the author. It is not unreasonable to expect similar efforts by governmental agencies.

Cost Impact: None.

PART I - IADMIN
Committee Action: **Disapproved**

Committee Reason: Copyright issues are addressed through state law. This is something that should be addressed by an administrative policy of the city worked out by the town council. This is not a code issue and should not be a requirement in the code.

Assembly Action: **None**

PART II – IECC – Commercial
HEARD BY IECC COMMERCIAL COMMITTEE

Committee Action: **Disapproved**

Committee Reason: The proponent requested disapproval to allow development of a public comment to address issues raised in debate before other committees.

Assembly Action: **None**

PART III – IECC – Residential
HEARD BY IECC RESIDENTIAL COMMITTEE

Committee Action: **Disapproved**

Committee Reason: Copyright protection should not be the responsibility of the code official, nor should it be a subject of the IECC.

Assembly Action: **None**

ADM52-13, Part II
PART II - IECC: C202;

NOTE: *PARTS I, IV & V DID NOT RECEIVE A PUBLIC COMMENT AND IS ON THE CONSENT AGENDA. PARTS I, IV AND V ARE REPRODUCED FOR INFORMATIONAL PURPOSES ONLY FOLLOWING ALL OF PART III.*

Proposed Change as Submitted

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Deborah Taylor, Deborah F. Taylor Consulting, LLC, representing self (taylor@dftconsultingny.com)

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

IECC SECTION C202
GENERAL DEFINITIONS

ALTERATION. Any construction or renovation to an existing structure other than repair or addition that requires a permit. Also, a change in ~~a~~ an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

COMMISSIONING. A protocol included in the construction documents for mechanical and lighting systems, including controls, that establishes a process of testing, balancing, calibrating and adjusting the installed systems to ensure that they function according to *approved* construction documents.

LIGHTING POWER ALLOWANCE. The total input electrical power permitted by this code for lighting in a building, or part thereof as applicable.

LIGHTING POWER DENSITY. The ratio of lighting input power permitted by this code as a function of area served, measured in watts per square foot.

TOTAL CONNECTED LIGHTING POWER. A calculation of the lighting power capacity in a building, or part thereof, or design, performed in accordance with Section C405.5.1 of this code.

WORK. Proposed or actual construction that shall include demolition or installation of materials, equipment or systems related to creating, altering or removing a building, or part thereof.

Reason: The definition for “alteration” needs to acknowledge electrical alterations as well. The added terms are already used in the code and required definition.

Cost Impact: This code change proposal will not increase the cost of construction.

Staff Analysis: The definition for Alteration also appears in the IFGC and IZC.

C202-ALTERATION-EC-TAYLOR.doc

Public Hearing Results

PART II – IECC – Commercial
HEARD BY IECC COMMERCIAL COMMITTEE

Committee Action: **Disapproved**

Committee Reason: The committee preferred the revision of this definition which was approved in ADM51-13.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Deborah F. Taylor, Principal, Deborah F. Taylor Consulting, LLC, representing self, requests Approval as Submitted for ADM52-13, Part II.

Commenter's Reason: Because of lighting and controls, electrical work needs to be added to the definition of "alteration." This definition was approved as submitted by the IRC Technical Committee, but disapproved by both the IECC Commercial and Residential Technical Committees. The other terms are used often in the code and should be defined in Chapter 2.

ADM52-13, Part II
Final Action: AS AM AMPC____ D

ADM52-13, Part III
PART III - IECC: R202 (IRC N1101.9);

Proposed Change as Submitted

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Deborah Taylor, Deborah F. Taylor Consulting, LLC, representing self (taylor@dftconsultingny.com)

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

IECC SECTION R202 (IRC N1101.9)
GENERAL DEFINITIONS

ALTERATION. Any construction or renovation to an existing structure other than repair or addition that requires a permit. Also, a change in ~~a~~ an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

COMMISSIONING. A protocol included in the construction documents for mechanical and lighting systems, including controls, that establishes a process of testing, balancing, calibrating and adjusting the installed systems to ensure that they function according to *approved* construction documents.

LIGHTING POWER ALLOWANCE. The total input electrical power permitted by this code for lighting in a building, or part thereof as applicable.

LIGHTING POWER DENSITY. The ratio of lighting input power permitted by this code as a function of area served, measured in watts per square foot.

TOTAL CONNECTED LIGHTING POWER. A calculation of the lighting power capacity in a building, or part thereof, or design, performed in accordance with Section C405.5.1 of this code.

WORK. Proposed or actual construction that shall include demolition or installation of materials, equipment or systems related to creating, altering or removing a building, or part thereof.

Reason: The definition for “alteration” needs to acknowledge electrical alterations as well. The added terms are already used in the code and required definition.

Cost Impact: This code change proposal will not increase the cost of construction.

Staff Analysis: The definition for Alteration also appears in the IFGC and IZC.

C202-ALTERATION-EC-TAYLOR.doc

Public Hearing Results

PART III – IECC – Residential
HEARD BY IECC RESIDENTIAL COMMITTEE
Committee Action: **Disapproved**

Committee Reason: The provisions proposed are not needed in the IECC-Residential provisions.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Deborah F. Taylor, Principal, Deborah F. Taylor Consulting, LLC, representing self, requests Approval Modified by this Public Comment for ADM52-13, Part III.

Modify the proposal as follows:

ALTERATION. Any construction or renovation to an existing structure other than repair or addition that requires a permit. Also, a change in an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

~~**COMMISSIONING.** A protocol included in the construction documents for mechanical and lighting systems, including controls, that establishes a process of testing, balancing, calibrating and adjusting the installed systems to ensure that they function according to *approved* construction documents.~~

~~**LIGHTING POWER ALLOWANCE.** The total input electrical power permitted by this code for lighting in a building, or part thereof as applicable.~~

~~**LIGHTING POWER DENSITY.** The ratio of lighting input power permitted by this code as a function of area served, measured in watts per square foot.~~

~~**TOTAL CONNECTED LIGHTING POWER.** A calculation of the lighting power capacity in a building, or part thereof, or design, performed in accordance with Section C405.5.1 of this code.~~

WORK. Proposed or actual construction that shall include demolition or installation of materials, equipment or systems related to creating, altering or removing a building, or part thereof.

Commenter's Reason: Because of lighting and controls, electrical work needs to be added to the definition of "alteration." The definition of 'alteration' as originally submitted was approved as submitted by the IRC Technical Committee, but disapproved by both the IECC Commercial and Residential Technical Committees. The term 'work' is used often in the IECC/Residential code and should be defined in Chapter 2. The definitions for "commissioning" and lighting-related work are not used in Chapter 4 of the IECC/Residential Code and have therefore have been removed from the proposal.

ADM52-13, Part III
Final Action: AS AM AMPC____ D

NOTE: PARTS I, IV & V REPRODUCED FOR INFORMATIONAL PURPOSES ONLY – SEE ABOVE

ADM52 – 13
PART I - IBC; IEBC; IFC; IMC;
PART IV - IRC: R202;
PART V - ISPSC 202

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Deborah Taylor, Deborah F. Taylor Consulting, LLC, representing self (taylor@dftconsultingny.com)

PART I – IBC; IEBC; IFC; IMC

Revise the International Building Code as follows:

IBC SECTION 202
DEFINITIONS

[A] ALTERATION. Any construction or renovation to an *existing structure* other than *repair* or *addition*. Also, a change in an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

Revise the International Existing Building Code as follows:

IEBC SECTION 202
DEFINITIONS

[A] ALTERATION. Any construction or renovation to an existing structure other than a *repair* or *addition.* Also, a change in an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit. Alterations are classified as Level 1, Level 2 or Level 3.

Revise the International Fire Code as follows:

IFC SECTION 202
DEFINITIONS

[A] ALTERATION. Any construction or renovation to an *existing structure* other than *repair* or *addition*. Also, a change in an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a permit.

Revise the International Mechanical Code as follows:

IMC SECTION 202
GENERAL DEFINITIONS

[A] ALTERATION. A change in a mechanical or electrical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation.

Reason: The definition for “alteration” needs to acknowledge electrical alterations as well. The added terms are already used in the code and required definition.

Cost Impact: This code change proposal will not increase the cost of construction.

Staff Analysis: The definition for Alteration also appears in the IFGC and IZC.

PART IV – IRC

Revise the International Residential Code as follows:

IRC SECTION R202
DEFINITIONS

ALTERATION. Any construction, retrofit or renovation to an existing structure other than repair or addition that requires a *permit*. Also, a change in ~~a~~ an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a *permit*.

PART V – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC SECTION 202
DEFINITIONS

ALTERATION. Any construction, retrofit or renovation to an *existing aquatic vessel* other than repair or addition that requires a permit. Also, a change in an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a *permit*.

Reason: The definition for "alteration" needs to acknowledge electrical alterations as well. The added terms are already used in the code and required definition.

Cost Impact: This code change proposal will not increase the cost of construction.

PART I - IADMIN
Committee Action: **Disapproved**

Committee Reason: The definition for alteration should be left broad. The additional sentence is not needed.

Assembly Action: **None**

PART IV - IRC
HEARD BY IRC COMMITTEE

Committee Action: **Approved as Submitted**

The following is errata that was not posted to the ICC website.

Modify the proposal as follows:

ALTERATION. Any construction~~, retrofit~~ or renovation to an existing structure other than repair or addition that requires a *permit*. Also, a change in an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a *permit*.

Committee Reason: The committee approved this proposed code change because they felt that it provides clarity.

Assembly Action: **None**

PART V - ISPSC
HEARD BY THE ISPSC COMMITTEE

Committee Action: **Disapproved**

The following is errata that was not posted to the ICC website.

Modify the proposal as follows:

ALTERATION. Any construction~~, retrofit~~ or renovation to an *existing aquatic vessel* other than repair or addition that requires a permit. Also, a change in an electrical or mechanical system that involves an extension, addition or change to the arrangement, type or purpose of the original installation that requires a *permit*.

Committee Reason: The proposal appears to bring too much scope of coverage into this code that is only for coverage of pools and spas.

Assembly Action: **None**

ADM55-13, Part II
PART II - IECC: C202

NOTE: *PART I DID NOT RECEIVE A PUBLIC COMMENT AND IS ON THE CONSENT AGENDA. PART I IS REPRODUCED FOR INFORMATIONAL PURPOSES ONLY FOLLOWING ALL OF PART V.*

Proposed Change as Submitted

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Philip Brazil, P.E., Reid Middletonw, Inc., representing Washington Association of Building Officials, Technical Code Development (pbrazil@reidmiddleton.com)

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

IECC SECTION C202
GENERAL DEFINITIONS

APPROVED. Acceptable to ~~Approval by~~ the code official ~~as the result of investigation and tests conducted by him or her, or by reason of accepted principles or tests by national recognized organizations.~~

Reason: The purpose for the proposal is to clarify the meaning of the definitions for “approved” and “permit” by specifying the building official rather than the “authority having jurisdiction.” The provisions of the building code consistently identify the building official as the official in charge of administration and enforcement of the building code. The only instances of “authority having jurisdiction” in the 2012 IBC are in this proposal.

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

202-APPROVED-ADM-BRAZIL

Committee Action Hearing Results

PART II – IECC – Commercial
HEARD BY IECC COMMERCIAL COMMITTEE

Committee Action: **Disapproved**

Committee Reason: Current text provides the code official guidance regarding what approved means and how something is 'approved'. This proposal removes that guidance.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Maureen Traxler, City of Seattle Department of Planning & Development, representing Washington Association of Building Officials Technical Code Development Committee, requests Approval as Submitted.

Commenter's Reason: This proposal would make the definition of "approved" in the IECC consistent with the definition in the Building, Fire, Fuel Gas, Mechanical, Plumbing, Property Maintenance and Wildland Urban Interface codes as approved in Part I of this proposal. The committees disapproved these 2 parts of the proposal because they felt that building officials need guidance to make approvals. However, the other codes do not include the language the Energy Code Committees found necessary. We can see no reason building officials would need additional guidance to make approvals under the Energy Code. The language provides minimal guidance in any case. It doesn't require anything other than what a building official would normally do. "Accepted principles" and "tests by national recognized organizations" are typical standards for approvals. The deleted language allows "investigations" without defining what constitutes an investigation. Presumably making a phone call or reviewing manufacturer information could be considered investigation.

ADM55-13, Part II

Final Action: AS AM AMPC____ D

ADM55-13, Part III
PART III - IECC: R202 (IRC N1101.9)

NOTE: *PART I DID NOT RECEIVE A PUBLIC COMMENT AND IS ON THE CONSENT AGENDA. PART I IS REPRODUCED FOR INFORMATIONAL PURPOSES ONLY FOLLOWING ALL OF PART V.*

Proposed Change as Submitted

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Philip Brazil, P.E., Reid Middletonw, Inc., representing Washington Association of Building Officials, Technical Code Development (pbrazil@reidmiddleton.com)

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

IECC SECTION R202 (IRC N1101.9)
GENERAL DEFINITIONS

APPROVED. Acceptable to ~~Approval by~~ the code official ~~as the result of investigation and tests conducted by him or her, or by reason of accepted principles or tests by national recognized organizations.~~

Reason: The purpose for the proposal is to clarify the meaning of the definitions for “approved” and “permit” by specifying the building official rather than the “authority having jurisdiction.” The provisions of the building code consistently identify the building official as the official in charge of administration and enforcement of the building code. The only instances of “authority having jurisdiction” in the 2012 IBC are in this proposal.

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

202-APPROVED-ADM-BRAZIL

Committee Action Hearing Results

PART III – IECC – Residential
HEARD BY IECC RESIDENTIAL COMMITTEE

Committee Action: **Disapproved**

Committee Reason: The proposed text would diminish guidance to the code official regarding needed information for approval.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Maureen Traxler, City of Seattle Department of Planning & Development, representing Washington Association of Building Officials Technical Code Development Committee, requests Approval as Submitted.

Commenter's Reason: This proposal would make the definition of "approved" in the IECC consistent with the definition in the Building, Fire, Fuel Gas, Mechanical, Plumbing, Property Maintenance and Wildland Urban Interface codes as approved in Part I of this proposal. The committees disapproved these 2 parts of the proposal because they felt that building officials need guidance to make approvals. However, the other codes do not include the language the Energy Code Committees found necessary. We can see no reason building officials would need additional guidance to make approvals under the Energy Code. The language provides minimal guidance in any case. It doesn't require anything other than what a building official would normally do. "Accepted principles" and "tests by national recognized organizations" are typical standards for approvals. The deleted language allows "investigations" without defining what constitutes an investigation. Presumably making a phone call or reviewing manufacturer information could be considered investigation.

ADM55-13, Part III

Final Action: AS AM AMPC____ D

ADM55-13, Part IV
PART IV - IRC: R202

NOTE: *PART I DID NOT RECEIVE A PUBLIC COMMENT AND IS ON THE CONSENT AGENDA. PART I IS REPRODUCED FOR INFORMATIONAL PURPOSES ONLY FOLLOWING ALL OF PART V.*

Proposed Change as Submitted

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Philip Brazil, P.E., Reid Middletonw, Inc., representing Washington Association of Building Officials, Technical Code Development (pbrazil@reidmiddleton.com)

PART IV – IRC

Revise the International Residential Code as follows:

IRC SECTION R202
DEFINITIONS

APPROVED. Acceptable to the *building official*.

PERMIT. An official document or certificate issued by the ~~authority having jurisdiction~~ building official that authorizes performance of a specified activity.

Reason: The purpose for the proposal is to clarify the meaning of the definitions for “approved” and “permit” by specifying the building official rather than the “authority having jurisdiction.” The provisions of the building code consistently identify the building official as the official in charge of administration and enforcement of the building code. The only instances of “authority having jurisdiction” in the 2012 IBC are in this proposal.

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

202-APPROVED-ADM-BRAZIL

Committee Action Hearing Results

PART IV - IRC
HEARD BY IRC COMMITTEE

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this code change proposal because the authority having jurisdiction issues the permit and the building official is the representative of that authority.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Maureen Traxler, City of Seattle Department of Planning & Development, representing Washington Association of Building Officials Technical Code Development Committee, requests Approval as Submitted.

Commenter's Reason: The provisions of the International Codes consistently identify the building official as the official in charge of administration and enforcement of the codes. See IRC Section 104 reprinted below. The term "authority having jurisdiction" is not defined and is not used anywhere else in the International Codes. Using it in the definition makes code officials vulnerable to challenges to their authority. It's important that the code state clearly and unequivocally that the code official has ultimate authority to make approvals. This change will make the IRC definitions consistent with the definitions in 7 other codes that were approved in Part I— IBC; IFC; IFGC; IMC; IPC; IPMC; IWUIC.

The reason for disapproval of this part of the proposal misinterprets Chapter 1 of the IRC. Section 104 clearly gives the code official authority sole responsibility to administer this code.

SECTION R104
DUTIES AND POWERS OF THE BUILDING OFFICIAL

R104.1 General. The *building official* is hereby authorized and directed to enforce the provisions of this code. The *building official* shall have the authority to render interpretations of this code and to adopt policies and procedures in order to clarify the application of its provisions. Such interpretations, policies and procedures shall be in conformance with the intent and purpose of this code. Such policies and procedures shall not have the effect of waiving requirements specifically provided for in this code.

R104.2 Applications and permits. The *building official* shall receive applications, review *construction documents* and issue permits for the erection and alteration of buildings and structures, inspect the premises for which such permits have been issued and enforce compliance with the provisions of this code.

ADM55-13, Part IV

Final Action: AS AM AMPC____ D

ADM55-13, Part V
PART V - ISPSC 202

NOTE: *PART I DID NOT RECEIVE A PUBLIC COMMENT AND IS ON THE CONSENT AGENDA. PART I IS REPRODUCED FOR INFORMATIONAL PURPOSES ONLY FOLLOWING ALL OF PART V.*

Proposed Change as Submitted

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Philip Brazil, P.E., Reid Middletonw, Inc., representing Washington Association of Building Officials, Technical Code Development (pbrazil@reidmiddleton.com)

PART V – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC SECTION 202
DEFINITIONS

APPROVED. Acceptable to the *code official* ~~or authority having jurisdiction~~.

PERMIT. An official document or certificate issued by the ~~authority having jurisdiction~~ building official that authorizes performance of a specified activity.

Reason: The purpose for the proposal is to clarify the meaning of the definitions for “approved” and “permit” by specifying the building official rather than the “authority having jurisdiction.” The provisions of the building code consistently identify the building official as the official in charge of administration and enforcement of the building code. The only instances of “authority having jurisdiction” in the 2012 IBC are in this proposal.

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

202-APPROVED-ADM-BRAZIL

Committee Action Hearing Results

PART V - ISPSC
HEARD BY THE ISPSC COMMITTEE

Committee Action: **Disapproved**

Committee Reason: The permitting of pools might not be controlled by the building official. This proposal removes the flexibility for other authorities having jurisdiction to do permitting and to approve items.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Maureen Traxler, City of Seattle Dept of Planning & Development, representing Washington Association of Building Officials Technical Code Development Committee, requests Approval as Modified by this Public Comments.

Modify the proposal as follows:

ISPSC SECTION 202
DEFINITIONS

APPROVED. Acceptable to the *code official*.

PERMIT. An official document or certificate issued by the ~~building~~ code official that authorizes performance of a specified activity.

Commenter's Reason: The provisions of the codes consistently identify the code official as the person in charge of administration and enforcement of the codes. See ISPSC Section 104 reprinted below. The term "authority having jurisdiction" is not defined and is not used anywhere else in the International Codes. Using it in the definition makes code officials vulnerable to challenges to their authority. It's important that the code state clearly and unequivocally that the code official has ultimate authority to make approvals and issue permits. This change will make the ISPSC definitions consistent with the definitions in 7 other codes that were approved in Part I— IBC; IFC; IFGC; IMC; IPC; IPMC; IWUIC.

The reason for disapproval of this part of the proposal misinterprets Chapter 1 of the ISPSC. Section 104 clearly gives the code official authority sole authority to administer this code. Even if other agencies issue permits related to pools and spas, the code official retains responsibility for enforcing the ISPSC and issuing permits under the International Codes. If other agencies issue permits in some jurisdictions, the code official, by definition, may authorize others to perform duties. "**CODE OFFICIAL.** The officer or other designated authority charged with the administration and enforcement of this code, or a duly authorized representative." Disapproval of this proposal would result in inconsistency within the ISPSC between the definition and Section 104, as well as making this Code inconsistent with the other codes.

SECTION 104
DUTIES AND POWERS OF THE CODE OFFICIAL

104.1 General. The *code official* is hereby authorized and directed to enforce the provisions of this code. The code official shall have the authority to render interpretations of this code and to adopt policies and procedures in order to clarify the application of its provisions. Such interpretations, policies and procedures shall be in compliance with the intent and purpose of this code. Such policies and procedures shall not have the effect of waiving requirements specifically provided for in this code.

104.2 Applications and permits. The code official shall receive applications, review construction documents and issue permits for the erection, alteration, demolition and moving of aquatic vessels, related mechanical, electrical, plumbing systems, to inspect the premises for which such permits have been issued and enforce compliance with the provisions of this code.

ADM55-13, Part V

Final Action: AS AM AMPC____ D

NOTE: PART I REPRODUCED FOR INFORMATIONAL PURPOSES ONLY – SEE ABOVE

ADM55 – 13
PART I - IBC: 202, IFC: 202, IFGC: 202, IMC: 202, IPC: 202, IPMC: 202, IWUIC: 202

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Philip Brazil, P.E., Reid Middletonw, Inc., representing Washington Association of Building Officials, Technical Code Development (pbrazil@reidmiddleton.com)

PART I – IBC; IFC; IFCG; IMC; IPC; IPMC; IWUIC

Revise the International Building Code as follows:

IBC SECTION 202
DEFINITIONS

[A] APPROVED. Acceptable to the *building official* ~~or authority having jurisdiction~~.

[A] PERMIT. An official document or certificate issued by the ~~authority having jurisdiction which~~ building official that authorizes performance of a specified activity.

Revise the International Fire Code as follows:

IFC SECTION 202
DEFINITIONS

[A] APPROVED. Acceptable to the *fire code official*.

[A] PERMIT. An official document or certificate issued by the ~~authority having jurisdiction which~~ fire code official that authorizes performance of a specified activity.

Revise the International Fuel Gas Code as follows:

IFGC SECTION 202
DEFINITIONS

[A] APPROVED. Acceptable to the *code official* ~~or authority having jurisdiction~~.

Revise the International Mechanical Code as follows:

IMC SECTION 202
DEFINITIONS

[A] APPROVED. Acceptable to the *code official* ~~or authority having jurisdiction~~.

Revise the International Plumbing Code as follows:

IPC SECTION 202
DEFINITIONS

[A] APPROVED. Acceptable to the *code official* ~~or authority having jurisdiction~~.

Revise the International Property Maintenance Code as follows:

IPMC SECTION 202
DEFINITIONS

[A] APPROVED. Acceptable to ~~Approved by~~ the *code official*.

Revise the International Wildland-Urban Interface Code as follows:

IWUICC SECTION 202
DEFINITIONS

[A] APPROVED. Acceptable to the code official ~~Approval by the code official as the result of review, investigation or tests conducted by the code official or by reason of accepted principles or tests by national authorities, or technical or scientific organizations.~~

Reason: The purpose for the proposal is to clarify the meaning of the definitions for "approved" and "permit" by specifying the building official rather than the "authority having jurisdiction." The provisions of the building code consistently identify the building official as the official in charge of administration and enforcement of the building code. The only instances of "authority having jurisdiction" in the 2012 IBC are in this proposal.

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

PART I - IADMIN
Committee Action: **Approved as Submitted**

Committee Reason: The phrase 'authority having jurisdiction' is already addressed in the definition for code official, therefore, it can be removed from the definition for the term permit and approved. This revision would coordinate the codes and is preferred to the options for the term 'approved' offered in ADM53 and ADM 54.

Assembly Action: **None**

ADM60-13, Part V
PART V - ISPSC: 202

NOTE: *PARTS I, II, III & IV DID NOT RECEIVE A PUBLIC COMMENT AND ARE ON THE CONSENT AGENDA. PARTS I, II, III, AND IV ARE REPRODUCED FOR INFORMATIONAL PURPOSES ONLY FOLLOWING ALL OF PART V.*

Proposed Change as Submitted

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Maureen Traxler, City of Seattle, representing Seattle Department of Planning and Development (maureen.traxler@seattle.gov)

PART V – ISPSC

Revise the International Swimming Pool and Spa Code as follows:

ISPSC SECTION 202
DEFINITIONS

REPAIR. The ~~restoration to good or sound condition~~ reconstruction or renewal of any part of an existing *aquatic vessel* for the purpose of its maintenance or to correct damage.

Reason: We are proposing the definition be modified in each of the codes in which it appears. The identical definition appears in the IBC, IEBC, IRC and ISPSC--4 of the 6 ICC codes in which it appears. The IECC definition is "The reconstruction or renewal of any part of an existing building." Note that the term is not defined in the IFC, IMC, IFGC, IPC or IPSDC. The definition of 'repair' in the IGCC definition is identical except that it includes building sites as well as buildings, and can be addressed in Group C.

Limiting repairs to maintenance is not consistent with the use of the term in the codes. IBC Section 3405.1 and IEBC Section 404.1, Repairs, specifically state that repair includes correction of damage. "Work on nondamaged components that is necessary for the required *repair* of damaged components shall be considered part of the *repair* and shall not be subject to the requirements for *alterations* in this chapter." IEBC Section 606.2 deals with repairs to damaged buildings—explicitly including correction of damage, which in many cases would be more than "maintenance".

Another possible solution to this inconsistency would be to delete the phrase "for the purpose of its maintenance" as the term is defined in the IECC. However, adding damage to the existing definition more clearly distinguishes repairs from alterations.

Cost Impact: None.

Committee Action Hearing Results

PART V - ISPSC
HEARD BY THE ISPSC COMMITTEE

Committee Action: **Disapproved**

Committee Reason: The phrase "to correct damage" is too specific and unnecessary.

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Maureen Traxler, City of Seattle Dept of Planning & Development, representing Washington Association of Building Officials Technical Code Development Committee, requests Approval as Submitted.

Commenter's Reason: This is a five-part proposal; four parts were approved. The proposal makes the definition of "repair" consistent in all the codes where it is used. The proposal also makes the definition consistent with the common use of the term to refer to correction of damage as repair.

ADM60-13, Part V

Final Action: AS AM AMPC____ D

NOTE: PARTS I, II, III AND IV REPRODUCED FOR INFORMATIONAL PURPOSES ONLY – SEE ABOVE

ADM60 – 13
PART I - IBC: 202; IEBC: 202;
PART II - IECC: C202;
PART III - IECC: R202 (IRC N1101.9);
PART IV - IRC: R202

THIS IS A 5 PART CODE CHANGE. PARTS I WILL BE HEARD BY THE ADMINISTRATIVE PROVISIONS COMMITTEE AS ONE CODE CHANGE. PART II WILL BE HEARD BY THE ENERGY CONSERVATION CODE-COMMERCIAL COMMITTEE. PART III WILL BE HEARD BY THE ENERGY CONSERVATION CODE-RESIDENTIAL COMMITTEE. PART IV WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. PART V WILL BE HEARD BY THE SWIMMING POOL AND SPA CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Maureen Traxler, City of Seattle, representing Seattle Department of Planning and Development (maureen.traxler@seattle.gov)

PART I – IBC; IEBC

Revise the International Building Code as follows:

IBC SECTION 202
DEFINITIONS

[A] REPAIR. The reconstruction or renewal of any part of an existing building for the purpose of its maintenance or to correct damage.

Revise the International Existing Building Code as follows:

IEBC SECTION 202
DEFINITIONS

[A] REPAIR. The ~~restoration to good or sound condition~~ reconstruction or renewal of any part of an existing building for the purpose of its maintenance or to correct damage.

PART II – IECC-COMMERCIAL

Revise the International Energy Conservation Code-Commercial as follows:

IECC SECTION C202
GENERAL DEFINITIONS

REPAIR. The reconstruction or renewal of any part of an existing building for the purpose of its maintenance or to correct damage.

PART III – IECC-RESIDENTIAL

Revise the International Energy Conservation Code-Residential as follows:

IECC SECTION R202 (IRC N1101.9)
GENERAL DEFINITIONS

REPAIR. The reconstruction or renewal of any part of an existing building for the purpose of its maintenance or to correct damage.

PART IV – IRC

Revise the International Residential Code as follows:

IRC SECTION R202
DEFINITIONS

REPAIR. The reconstruction or renewal of any part of an existing building for the purpose of its maintenance or to correct damage. For definitions applicable in Chapter 11, see Section N1101.

PART I - IADMIN
Committee Action: **Approved as Submitted**

Committee Reason: The revision to the term 'repair' cleans up the difference between the terms repair and alteration. This proposal will also provide consistency throughout the code.

Assembly Action: **None**

PART II – IECC – Commercial
HEARD BY IECC COMMERCIAL COMMITTEE

Committee Action: **Approved as Submitted**

Committee Reason: The proposal results in the identical definition of repair in multiple International Codes.

Assembly Action: **None**

PART III – IECC – Residential
HEARD BY IECC RESIDENTIAL COMMITTEE

Committee Action: **Approved as Submitted**

Committee Reason: This proposed change would provide consistency with other I-Codes.

Assembly Action: **None**

PART IV - IRC
HEARD BY IRC COMMITTEE

Committee Action: **Approved as Submitted**

Committee Reason: The committee approved this proposed code change because they felt that it clarifies what the code is commonly interpreted to intend. This action is consistent with prior committee action on ADM60 Part I.

Assembly Action: **None**

ADM61-13
IRC: R202

Proposed Change as Submitted

THIS CHANGE WILL BE HEARD BY THE RESIDENTIAL CODE COMMITTEE. SEE THE TENTATIVE HEARING ORDER FOR THESE COMMMITTEES.

Proponent: Paul Armstrong, PE, CBO; Orange Empire Chapter – Code Committee, Orange Empire Chapter

Revise the International Residential Code as follows:

IRC SECTION R202
DEFINITIONS

IRC TOWNHOUSE. A single-family *dwelling unit* constructed in a group of three or more attached units in which each unit extends from the foundation to roof and with open space ~~a *yard* or public way~~ on at least two or more sides.

Reason: The purpose of this change is to coordinate the definitions of Townhouse between the IRC and IBC. The proposal intends to use the definition in the 2012 IBC in both codes. The current inconsistency found is a problem in determining the application of the codes. The example is a townhouse design using a court on one of the sides. The IBC in the Scope, Section 101.2, would refer the designer to the IRC for the design of the project but the IRC, based on its definition, would not be allowed whether the project meets all the other criteria or not. So the user is back to the IBC and its definition does allow the design of the project. However, there are no provisions specific for townhouses in the IBC. So the definition the IBC is really only useful for determining the application of the IRC or IBC and needs to be consistent between the two codes.

Definitions are vital in understanding the application of all codes. While differences can exist between codes in the ICC family of codes, those definitions that are used in determining the application of one code or another should be consistent.

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

Staff Analysis: Townhouse is defined in the IBC and IRC.

R202-TOWNHOUSE-RB-ARMSTRONG

Committee Action Hearing Results

HEARD BY IRC COMMITTEE

Committee Action: **Disapproved**

Committee Reason: The committee disapproved this code change proposal because they felt that “open-space” is vague whereas “yard” and “public way” are defined. Open space does not necessarily mean open to the sky. While the definition for townhouse should be consistent between the IBC and the IRC, it is felt that the revision should be to the IBC version to use the defined terms of ‘yard’ and ‘public way.’

Assembly Action: **None**

Individual Consideration Agenda

This item is on the agenda for individual consideration because a public comment was submitted.

Public Comment:

Paul Armstrong, CSG Consultants, Inc., representing Orange Empire Chapter Code Committee, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

IBC SECTION R202
DEFINITIONS

IBC TOWNHOUSE. A single-family *dwelling unit* constructed in a group of three or more attached units in which each unit extends from the foundation to roof and with ~~open space~~ a *yard* or public way on at least two or more sides.

Commenter's Reason: The intent of the original proposal was to coordinate the definition of townhouse between the IBC and IRC.

The committee's reason for disapproval was the following:

> The committee disapproved this code change proposal because they felt that "open-space" is vague whereas "yard" and "public way" are defined. Open space does not necessarily mean open to the sky. While the definition for townhouse should be consistent between the IBC and the IRC, it is felt that the revision should be to the IBC version to use the defined terms of 'yard' and 'public way.'

ADM61-13

Final Action: AS AM AMPC____ D

ADM62-13

Proposed Change as Submitted

ADM62-13

IBC, IECC, IEBC, IFC, IFGC, IgCC, IMC, IPC, IPMC, IRC, and the ISPSC

The following table provides a comprehensive list of all standards that the respective standards promulgators have indicated have been, or will be, updated from the listing in the 2012 Editions of the International Codes. According to Section 4.5.1 of ICC Council Policy #CP 28, Code Development Policy, the updating of standards referenced by the Codes shall be accomplished administratively by the Administrative code development committee. Therefore, referenced standards that are to be updated for the 2015 edition of any of the I-Codes are listed in this single code change proposal. Note that the table below indicates the change to the standard, and the code or codes in which each standard appears. The list includes standards that the promulgators have already updated or will have updated by December 1, 2014.

***4.5.1 Standards referenced in the I-Codes:** The updating of standards referenced by the Codes shall be accomplished administratively by the Administrative code development committee in accordance with these full procedures except that the deadline for availability of the updated standard and receipt by the Secretariat shall be December 1 of the third year of each code cycle. The published version of the new edition of the Code which references the standard will refer to the updated edition of the standard. If the standard is not available by the deadline, the edition of the standard as referenced by the newly published Code shall revert back to the reference contained in the previous edition and an errata to the Code issued. Multiple standards to be updated may be included in a single proposal.*

AA	**Aluminum Association**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ADM 1-~~2010~~ 2015	Aluminum Design Manual: Part I Specification for Aluminum Structures	IBC							
AAMA	**American Architectural Manufacturers Association**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
450-~~09~~ 10	Voluntary Performance Rating Method for Mulled Fenestration Assemblies	IRC							
506-~~08~~ 11	Voluntary Specifications for Hurricane Impact and Cycle Testing of Fenestration Products	IRC							
711-~~07~~ 13	Voluntary Specification for Self Adhering Flashing Used for Installation of Exterior Wall Fenestration Products	IRC							
1402-~~86~~ 09	Standard Specification for Aluminum Siding, Soffit and Fascia	IBC							
ACCA	**Air Conditioning Contractors of America**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
Manual D-~~09~~ 2011	Residential Duct Systems	IMC	IRC						
Manual J-2011	Residential Load Calculation - Eighth Edition	IRC	IECC-R						
Manual S-~~10~~ 13	Residential Equipment Selection	IRC	IECC-R						

180-~~2008~~ 2012	Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems	IMC	IRC						
183-2007 (reaffirmed 2011)	Peak Cooling and Heating Load Calculations in Buildings Except Low-Rise Residential Buildings	IMC	IECC						
ACI	**American Concrete Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
216.1-~~07~~ 14	~~Standard Method~~ Code Requirements for Determining Fire Resistance of Concrete and Masonry Construction Assemblies	IBC							
304.2R-~~04~~ 96	Placing Concrete by Pumping Methods (Reapproved 2008)	ISPSC							
305.1-~~06~~ 14	Specification for Hot Weather Concreting	ISPSC							
308.1-~~98~~ 11	~~Standard~~ Specification for Curing Concrete	ISPSC							
318-~~11~~ 14	Building Code Requirements for Structural Concrete	IBC	IRC	ISPSC					
332-~~10~~ 14	Residential Code Requirements for Structural Concrete Construction	IRC							
506.2-~~95~~ 13	Specification for Shotcrete	ISPSC							
530-~~11~~ 13	Building Code Requirements for Masonry Structures	IBC	IRC						
530.1-~~11~~ 13	Specifications for Masonry Structures	IBC	IRC						
~~AF&PA~~ AWC	**~~American Forest & Paper Association~~ American Wood Council**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
~~AF&PA~~ AWC STJR~~—2012~~ 2015	Span Tables for Joists and Rafters	IBC	IRC						
~~ANSI/AF&PA~~ AWC WFCM~~—2012~~ 2015	Wood Frame Construction Manual for One- and Two-Family Dwellings	IBC	IRC						
ANSI/AWC NDS-~~2012~~ 2015	National Design Specification (NDS) for Wood Construction - with 2012 Supplement	IBC	IRC						
~~ANSI/AF&PA~~ AWC SDPWS~~—2008~~ 2015	Special Design Provisions for Wind and Seismic	IBC							
~~AF&PA~~ AWC WCD No. 4-2003	Wood Construction Data-Plank and Beam Framing for Residential Buildings	IBC							
ANSI/~~AF&PA~~ AWC PWF~~—2007~~ 2015	Permanent Wood Foundation Design Specification	IBC	IRC						
AHRI	**Air Conditioning, Heating and Refrigeration Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
210/240-2008 with Addenda 1 and 2	Performance Rating of Unitary Air-Conditioning and Air-Source Heat Pump Equipment	IECC-C							
310/380-2004 (CSA - C744-04)	Standard for Packaged Terminal Air-Conditioners and Heat Pumps	IECC-C							

340/360-2007 with Addendum 2	Performance Rating of Commercial and Industrial Unitary Air-Conditioning and Heat Pump Equipment	IECC-C							
365 (I-P)-2009	Commercial and Industrial Unitary Air-Conditioning Condensing Units	IECC-C							
366 (SI)-2009	Commercial and Industrial Unitary Air-Conditioning Condensing Units	IECC-C							
400-2001 with Addenda 1 and 2	Liquid to Liquid Heat Exchangers ~~with Addendum 2~~	IECC-C							
440-2008	Performance Rating of Room Fan-Coils	IECC-C							
460-2005	Performance Rating of Remote Mechanical-Draft Air-Cooled Refrigerant Condensers	IECC-C							
550/590-~~03~~ 2011 with Addendum 1	Performance Rating of Water-Chilling ~~Packages~~ and Heat Pump Water-Heating Packages Using the Vapor Compression Cycle ~~with Addenda~~	IECC-C							
700- ~~2006~~ 2011 with Addendum 1	~~Purity~~ Specifications for Fluorocarbon ~~and Other~~ Refrigerants	IECC-C							
870-20~~09~~ 05	Performance Rating of Direct Geoexchange Heat Pumps	IECC-C							
1160-~~08~~ (I-P) 09	Performance Rating of Heat Pump z21.56	IECC-C	ISPSC						
116~~0~~1 (SI)- ~~08~~ -2011	Performance Rating of Heat Pump Pool Heaters	IECC-C	ISPSC						
13256-1~~(2005)~~ (2011)	~~Water-Source Heat Pumps –~~ Water-to-Air and Brine-to-Air Heat Pumps – Testing and Rating for Performance: ~~Part 1 -~~	IECC-C							
13256-2~~(1998)~~ (2011)	~~Water-source Heat Pumps~~ Water-to-Water and Brine-to-water Heat Pumps - Testing and Rating For Performance: ~~Part 2:~~	IECC-C							
AISI	**American Iron and Steel Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
AISI S100-07/S2-~~10~~ 12	North American Specification for the Design of Cold Formed Steel Structural Members ~~with Supplement 2, dated 2010~~ 2012	IBC	IRC						
AISI S110-07/S1-09 (2012)	Standard for Seismic Design of Cold-Formed Steel Structural Systems-Special Moment Frames, 2007 with Supplement 1, dated 2009, (2012)	IBC							
AISI S200-~~07~~ 2012	North American Standard for Cold-Formed Steel Framing - General Provisions	IBC							

AISI S210-~~07~~ 2012	North American Standard for Cold-formed Steel Framing-Floor and Roof System Design, 2007, (2012)	IBC							
AISI S211-07/S1-12 (2012)	North American Standard for Cold-Formed Steel Framing-Wall Stud Design, 2007, including Supplement 1, dated 2012, (2012)	IBC							
AISI S212-~~07~~ (2012)	North American Standard for Cold-Formed Steel Framing-Header Design, 2007, (2012)	IBC							
AISI S213-07/S1-~~09~~ (2012)	North American Standard for Cold-Formed Steel Framing-Lateral Design, with Supplement 1, dated 2009, (2012)	IBC							
AISI S214-~~07~~ 12	North American Standard for Cold-Formed Steel Framing - Truss Design with Supplement 2, dated ~~2008~~, 2012	IBC							
AISI S230-07-~~07/S2-08~~ /S3-12 (2012)	Standard for Cold-formed Steel Framing-Prescriptive Method for One- and Two-family Dwellings, 2007, with Supplement ~~2~~ 3, dated ~~2008~~ dated 2012, (2012)	IRC	IBC						
~~AITC~~	**~~American Institute of Timber Construction~~ (*Please note that the AITC is no longer promulgating ICC standards. Standards previously promulgated by AITC are now being handled by APA and WCLIB.)***								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ALI	**Automotive Lift Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ALI/ALCTV-~~2006~~ 2011	Standard for Automotive Lifts - Safety Requirements for Construction, Testing, and Validation ~~(ANSI)~~	IBC							
AMCA	**Air Movement and Control Association International**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
205-~~10~~ 12	Energy Efficiency Classification for Fans	IgCC							
220-~~05~~ 08	Laboratory Methods of Testing Air Curtain Units for Aerodynamic Performance Rating	IgCC							
500D-~~10~~ 12	Laboratory Methods for Testing Dampers for Rating	IECC-C							
ANSI	**American National Standards Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
Z97.1- ~~09~~ 2014	Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test	IBC	IRC						
ANSI A137.1-~~88~~ 2012	American National Standard Specifications for Ceramic Tile	IBC	IRC						

Z21.50/CSA 2.22-~~2007~~ 2012	Vented Gas Fireplaces	IRC	IFGC	IgCC					
Z21.88/CSA 2.33-~~09~~ 2015	Vented Gas Fireplace Heaters	IRC	IFGC	IgCC					
LC 1/CSA 6.26-~~2005~~ 2013	Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)	IFGC							
LC 4/CSA 6.32-~~2007~~ 2012	Press-Connect Metallic Fittings for Use in Fuel Gas Distribution Systems	IFGC	IRC						
Z21.1-~~2005~~ 2010	Household Gas Cooking Appliances	IFGC	IRC						
Z21.5.1/CSA 7.1-~~2006~~ 2014	Gas Clothes Dryers - Volume I - Type 1 Clothes Dryer	IFGC	IRC						
Z21.5.2/CSA 7.2-~~2005~~ 2014	Gas Clothes Dryers - Volume II - Type 2 Clothes Dryer	IFGC							
Z21.10.1/CSA 4.1-~~2009~~ 2012	Gas Water Heaters - Volume I - Storage Water Heaters with Input Ratings of 75,000 Btu per Hour or Less	IFGC	IRC						
Z21.10.3/CSA 4.3-~~2004~~ 2011	Gas Water Heaters - Volume III - Storage Water Heaters with Input Ratings Above 75,000 Btu per Hour, Circulating or Instantaneous	IFGC	IRC						
Z21.11.2-~~2007~~ 2011	Gas-Fired Room Heaters - Volume II - Unvented Room Heaters	IFGC	IRC						
Z21.13/CSA 4.9-~~2010~~ 2011	Gas-Fired Low Pressure Steam and Hot Water Boilers	IFGC	IRC						
A21.40.1/CSA 2.91-96 (R~~2002~~ 2011)	Gas-Fired Heat Activated Air Conditioning and Heat Pump Appliances	IFGC	IRC						
Z21.40.2/CSA 2.92-96 (R~~2002~~ 2011)	Air-Conditioning and Heat Pump Appliances (Thermal Combustion)	IFGC	IRC						
Z21.42-~~1993 (R2002)~~ 2014	Gas-Fired Illuminating Appliances	IFGC	IRC						
Z21.47/CSA 2.3-~~2007~~ 2012	Gas-Fired Central Furnaces	IFGC	IRC						
Z21.50/CSA 2.22-~~2006~~ 2012	Vented Gas Fireplaces	IFGC	IRC						
Z21.56/CSA 4.7-~~2007~~ 2013	Gas-Fired Pool Heaters	IFGC	ISPSC	IRC					
Z21.58/CSA 1.6-~~2003~~ 2013	Outdoor Cooking Gas Appliances	IFGC	IRC						
Z21.60/CSA 2.26-~~2003~~ 2012	Decorative Gas Appliances for Installation in Solid-fuel Burning Fireplaces	IFGC	IRC						
Z21.80/CSA 6.22-~~2003 (R2008)~~ 2011	Line Pressure Regulators	IFGC	IRC						
Z21.84-~~2002~~ 2012	Manually-lighted, Natural Gas Decorative Gas Appliances for Installation in Solid Fuel Burning Fireplaces	IFGC	IRC						
Z21.88/CSA 2.33-~~2009~~ 2015	Vented Gas Fireplace Heaters	IFGC	IRC						
Z21.97-~~2009~~ 2012	Outdoor Decorative Appliances	IFGC	IRC						
Z83.4/CSA 3.7-~~2003~~ 2012	Non-Recirculating Direct Gas-fired Industrial Air Heaters	IFGC							
~~Z83.6-90 (R1998)~~ withdrawn replaced with Z83.19 & Z83.20	Gas-fired Infrared Heaters	IFGC	IRC						
Z83.11/CSA 1.8-~~2006~~ 2013	Gas Food Service Equipment	IFGC							
Z83.18-~~2004~~ 2012	Recirculating Direct Gas-fired Industrial Air Heaters	IFGC							
Z83.19-2001 (R~~2005~~ 2009)	Gas-fired High Intensity Infrared Heaters	IFGC	IRC						
~~Z124.1-95~~ replaced with CSA B45.5-11/ IAPMO Z124-11	Plastic ~~Bathtub Units~~ Plumbing Fixtures	IPC	IRC						
~~Z124.1.2-2005~~ replaced with CSA B45.5-11/ IAPMO Z124-11	Plastic ~~Bathtub and Shower Units~~ Plumbing Fixtures	IPC	IRC						
~~Z124.2-95~~ replaced with CSA B45.5-11/ IAPMO Z124-11	Plastic ~~Shower Receptors and Shower Stalls~~ Plumbing Fixtures	IPC	IRC						

~~Z124.3-95~~ replaced with CSA B45.5-11/ IAPMO Z124-11	Plastic ~~Lavatories~~ Plumbing Fixtures	IPC	IRC						
~~Z124.4-96~~ replaced with CSA B45.5-11/ IAPMO Z124-11	Plastic ~~Water Closet Bowls and Tanks~~ Plumbing Fixtures	IPC	IRC						
~~Z124.6-97~~ replaced with CSA B45.5-11/ IAPMO Z124-11	Plastic ~~Sinks~~ Plumbing Fixtures	IPC	IRC						
~~Z124.7-97~~ replaced with IAPMO Z124.7-2012	Prefabricated Plastic Spa Shells	ISPSC							
~~Z124.9-94~~ replaced with CSA B45.5-11/ IAPMO Z124-11	Plastic ~~Urinal Fixtures~~ Plumbing Fixtures	IPC	IRC						

APA

APA -The Engineered Wood Association

Standard Reference Number	Title	Referenced in Code(s):							
ANSI/~~AITC~~ A 190.1 – ~~07~~ 12	Structural Glued-Laminated Timber	IBC	IRC	IgCC					
APA E30-~~03~~ 11	Engineered Wood Construction Guide	IRC							
APA PDS ~~04~~ 12	Panel Design Specification	IBC							
APA PDS Supplement 5-~~08~~ 12	Design and Fabrication of All-Plywood Beams (revised ~~2008~~ 2013)	IBC							
APA PDS Supplement 1-~~90~~ 12	Design and Fabrication of Plywood Curved Panels (revised ~~1995~~ 2013)	IBC							
APA PDS Supplement 4-~~90~~ 12	Design and Fabrication of Plywood Sandwich Panels (revised ~~1993~~ 2013)	IBC							
APA PDS Supplement 3-~~90~~ 12	Design and Fabrication of Plywood Stressed-skin Panels (revised ~~1996~~ 2013)	IBC							
APA PDS Supplement 2-~~92~~ 12	Design and Fabrication of Glued Plywood-lumber Beams (revised ~~1998~~ 2013)	IBC							
EWS R540-~~02~~ 12	Builders Tips: Proper Storage and Handling of Glulam Beams	IBC							
EWS S475-~~01~~ 07	Glued Laminated Beam Design Tables	IBC							
EWS S560-~~03~~ 10	Field Notching and Drilling of Glued Laminated Timber Beams	IBC							
EWS T300-~~05~~ 07	Glulam Connection Details	IBC							
EWS X440-~~03~~ 08	Product Guide - Glulam	IBC							

API

API –American Petroleum Institute

Standard Reference Number	Title	Referenced in Code(s):							
Publ 2009 7th Edition (2002, R2012)	Safe Welding and Cutting Practices in Refineries, Gas Plants and Petrochemical Plants	IFC							
Publ 2023 3rd Edition (R2001, R2006)	Guide for Safe Storage and Handling of Heated Petroleum-Derived Asphalt Products and Crude Oil Residue	IFC							
Publ 2028 3rd Edition (2002, R2012)	Flame Arrestors in Piping Systems	IFC							
Publ 2201 5th Edition (2003, 2010)	Procedures for Welding or Hot Tapping on Equipment in Service	IFC							
RP 651 ~~(1997)~~ 3rd Edition (2007)	Cathodic Protection of Aboveground Petroleum Storage	IFC							

	Tanks								
RP 752 ~~(2003)~~ 3rd Edition (2009)	Management of Hazards Associated with Location of Process Plant Buildings, CMA Manager's Guide	IFC							
RP 1604 (1996) 3rd Edition, R2010)	Closure of Underground Petroleum Storage Tanks	IFC							
RP 1615 ~~(1996)~~ 6th Edition (2011)	Installation of Underground Petroleum Storage Systems	IFC							
RP 2001 ~~(2005)~~ 9th Edition (2012)	Fire Protection in Refineries	IFC							
RP 2350 ~~(2005)~~ 4th Edition (2012)	Overfill Protection for Storage Tanks in Petroleum Facilities, 3rd Edition	IFC							
RP 2003 ~~(1998)~~ 7th Edition (2008)	Protection Against Ignitions Arising out of Static, Lightening, and Stray Currents	IFC							
Spec 12P 3rd Edition ~~(1995)~~ (Reaffirmed ~~2000~~)	Specification for Fiberglass Reinforced Plastic Tanks	IFC							
Std 653 ~~(2001)~~ 4th Edition ~~(2000)~~ (2009)	Tank Inspection, Repair, Alteration and Reconstruction	IFC							
Std 2015 6th Edition (2001, R2006)	Safe Entry and Cleaning of Petroleum Storage Tanks	IFC							
Std 2000 6th Edition ~~(1998)~~ 2009	Venting Atmosphere and Low-pressure Storage Tanks: Nonrefrigerated and Refrigerated	IFC							

APHA — American Public Health Association

Standard Reference Number	Title	Referenced in Code(s):							
~~2005~~ 2012	Standard Methods for Examination of Water and Waste water ~~21~~ 2nd Edition	IgCC							

APSP — The Association of Pool & Spa Professionals

Standard Reference Number	Title	Referenced in Code(s):							
ANSI/~~NSPI~~ APSP/ICC 3-~~99~~ 2013	Standard for Permanently Installed Residential Spas	IRC							
ANSI/~~NSPI~~ APSP/ICC 4-~~2007~~ 2012	Standard for Above-ground/On-ground residential swimming pools	IRC							
ANSI/~~NSPI~~ APSP/ICC 5-~~2003~~ 2011	Standard for Residential In-Ground Swimming Pools	IRC							
ANSI/~~NSPI~~ APSP/ICC 6-~~2009~~ 2013	Standard for Residential Portable Spas	IRC							
ANSI/APSP/ICC 7-~~06~~ 2013	Standard for Suction Entrapment Avoidance in Swimming Pools, Wading Pools, Spas, Hot Tubs, and Catch Basins	IBC	IRC	ISPSC					
ANSI/APSP/ICC 14-11	Portable Spa Energy Efficiency Standard	IPSPC							
ANSI/APSP/ICC 15-11	Standard for Energy Efficiency for Residential Inground Swimming Pools and Spas with Addenda A Approved 2013)	ISPSC							

ANSI/APSP/ICC16-11	Standard for Suction Fittings for Use in Swimming Pools, Wading Pools, Spas and Hot Tubs	ISPSC							
ASABE	**American Society of Agricultural & Biological Engineers**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
EP 559.1 1997 W/Corr. 1 DEC 1996 (R2008) AUG2010	Design Requirements and Bending Properties for Mechanically Laminated Wood Columns Assemblies	IBC							
EP 486.1 2 DEC 1999 (R2005) OCT2012	Shallow Post and Pier Foundation Design	IBC							
EP542- FEB1999 99(R2009)	Procedures for Using and Reporting Data Obtained with the Soil Cone Penetrometer	IgCC							
S313.3 99 FEB1999 (R2009)	Soil Cone Penetrometer	IgCC							
ASCE/SEI	**American Society of Civil Engineers/Structural Engineers Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
5—11 13	Building Code Requirements for Masonry Structures	IBC	IRC						
6—11 13	Specification for Masonry Structures	IBC	IRC						
7—10	Minimum Design Loads for Buildings and Other Structures with Supplement No. 1	IBC	IEBC	IRC					
8—02 14	Standard Specification for the Design of Cold-formed Stainless Steel Structural Members	IBC							
24-05 13	Flood Resistant Design and Construction	IBC	ISPSC	IRC					
29-05 14	Standard Calculation Methods for Structural Fire Protection	IBC							
31-03 41-13 Note: will be incorporated into ASCE 41-13	Seismic Evaluation and Retrofit Rehabilitation of Existing Buildings	IEBC							
32-01	Design and Construction of Frost Protected Shallow Foundations	IBC	IRC						
41-06 13	Seismic Evaluation and Retrofit Rehabilitation of Existing Buildings	IEBC							
ASHRAE	**American Society of Heating, Refrigerating and Air Conditioning Engineers**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
15-2010 2013	Safety Standard for Refrigeration Systems	IMC							

34-~~2010~~ 2013	Designation and Safety Classification of Refrigerants	IRC	IMC						
52.2-~~2007~~ 2012	Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size	IgCC							
55-~~2004~~ 2010	Thermal Environmental Conditions on Human Occupancy	IgCC							
62.1-~~2010~~ 2013	Ventilation for Acceptable Indoor Air Quality	IMC	IECC	IEBC	IgCC				
90.1-~~2010~~ 2013	Energy Standard for Buildings Except Low-Rise Residential Buildings including Addendum G (ANSI/ASHRAE/IESNA 90.1-2007)	IECC	IgCC						
140-20~~10~~ 11	Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs	IECC							
146-~~2006~~ 2011	Testing for Rating Pool Heaters	IECC							
180-~~08~~ 2012	Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems	IMC							
ANSI/ASHRAE/ACCA 183-2007 (RA2011)	Peak Cooling and Heating Load Calculations in Buildings, Except Low-rise Residential Buildings	IECC							
ASHRAE-~~2004~~ 2012	HVAC Systems and Equipment Handbook - 2004	IMC	IECC						
ASHRAE-~~2009~~ 2013	ASHRAE Handbook of Fundamentals	IRC	IECC-R	IMC					
13256-1(~~2005~~) 1998 (RA 2012)	Water-source Heat Pumps - Testing and Rating for Performance - Part 1: Water-to-Air and Brine-to-Air Heat Pumps (ANSI/ASHRAE/IESNA 90.1-2004)	IECC							

ASME — American Society of Mechanical Engineers

Standard Reference Number	Title	Referenced in Code(s):							
ASME A17.1/CSA B44—~~2007~~2013	Safety Code for Elevators and Escalators	IBC	IFC	IEBC	IRC	IPMC			
A112.1.3-2000(~~Reaffirmed 2005~~ 11)	Air Gap Fittings for Use with Plumbing Fixtures, Appliances, and Appurtenances	IPC	IRC						
A112.3.4-2000 (~~Reaffirmed~~ 2004) replaced with ASME A112.3.4-2013/CSA B45.9-13	Macerating Toilet Systems and Related Components	IPC	IRC						
A112.4.1-~~1993 (Reaffirmed 2002)~~ 2009	Water Heater Relief Valve Drain Tubes	IPC	IRC						
A112.4.2-~~2003 (R2008)~~ 2009	Water Closet Personal Hygiene Devices	IPC							
A112.4.3-1999 (~~Reaffirmed 2004~~ 10)	Plastic Fittings for Connecting Water Closets to the Sanitary Drainage System	IPC	IRC						
A112.6.1M-1997 (~~Reaffirmed 2002~~ 08)	Floor-Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use	IPC	IRC						
A112.6.2-2000 (~~Reaffirmed 2004~~ 10)	Framing-Affixed Supports for Off-the-Floor Water Closets with Concealed Tanks	IPC	IRC						
A112.6.3-2001(~~Reaffirmed~~ 2007)	Floor and Trench Drains	IPC	IRC						
A112.6.7-~~2001(Reaffirmed 2007)~~ 2010	Enameled and Epoxy Coated Cast Iron and PVC Plastic Sanitary Floor Sinks	IPC							

A112.6.9-2005 (R2010)	Siphonic Roof Drains	IPC							
ASME A112.18.1-2005 2012/ CSA B125.1-2005 2012	Plumbing Supply Fittings	IPC	IRC						
ASME A112.18.2-2005 2011/ CSA B125.2-2005 2011	Plumbing Waste Fittings	IPC	IRC						
ASME A112.19.1-2013/ CSA B45.2-08 13	Enameled Cast-Iron and Enameled Steel Plumbing Fixtures	IPC	IRC						
ASME A112.19.2-2008 2013/ CSA B45.1-08 13	Ceramic Plumbing Fixtures	IPC	IRC						
ASME A112.19.3-2008/ CSA B45.4-08(R2013)	Stainless-Steel Plumbing Fixtures	IPC	IRC						
ASME A112.19.5-2011/ CSA/B45.15-09 11	Flush Valves and Spuds Trim for Water Closets, Urinals Bowls and Tanks	IPC	IRC						
ASME A112.19.7-2012/ CSA B45.10-09 2012	Hydromassage Bathtubs Appliances Systems	IPC	IRC						
B16.1-2005 2010	Cast Gray Iron Pipe Flanges and Flanged Fittings, Classes 25, 125 and 250	IFGC							
B16.3-2006 2011	Malleable Iron Threaded Fittings Classes 150 and 300	IPC	IRC	IMC					
B16.4—2006 2011	Gray Iron Threaded Fittings Class 125 and 250	IPC	IRC						
B16.5-2003 2009	Pipe Flanges and Flanged Fittings NPS 1/2 Through NPS 24	IMC							
B16.11-2005 2011	Forged Fittings, Socket-Welding and Threaded	IPC	IRC	IMC					
B16.12-1998 (Reaffirmed 2006) 2009	Cast Iron Threaded Drainage Fittings	IPC	IRC						
B16.15-2006 2011	Cast Bronze Threaded Fittings	IRC	IMC	IPC	IPSPC				
B16.18-2001 (Reaffirmed 2005) 2012	Cast Copper Alloy Solder Joint Pressure Fittings	IPC	IBC	IRC	IMC	IFC			
B16.20-1998(Reaffirmed 2007)	Metallic Gaskets for Pipe Flanges: Ring-Joint, Spiral-Wound, and Jacketed	IFGC							
B16.22-2001(Reaffirmed 2005) (R2010)	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	IPC	IBC	IRC	IFC	IMC			
B16.23-2002 (Reaffirmed 2006) 2011	Cast Copper Alloy Solder Joint Drainage Fittings: DWV	IPC	IRC	IMC					
B16.24-2006 2011	Cast Copper Alloy Pipe Flanges and Flanged Fittings: Class 150, 300, 400, 600, 900, 1500 and 2500	IMC							
B16.26-2006 2011	Cast Copper Alloy Fittings for Flared Copper Tubes	IPC	IRC	IMC					
B16.29-2007 2012	Wrought Copper and Wrought-Copper-Alloy Solder Joint Drainage Fittings - (DWV)	IPC	IRC	IMC					
B16.33-2002(Reaffirmed 2007) 2012	Manually Operated Metallic Gas Valves for Use in Gas Piping Systems up to 125 psig (Sizes 1/2 through 2)	IFGC	IRC						
B31.1-2007 2012	Power Piping	IFC							
B31.3-2004 2012	Process Piping	IBC	IFC						
B31.4-2006 2012	Pipeline Transportation Systems for Liquid Hydrocarbons and other Liquids	IFC							
B31.9—08 2011	Building Services Piping	IFC	IMC						
ASSE 1016/ASME A112.1016/CSA B125.16-2011 is a replacement for ASSE 1016-2010	Performance Requirements for Automatic Compensating, Valves for Individual Showers and Tub/Shower Combinations	IPC	IRC	IgCC					

BPVC-~~2007~~ 2010/2011 addenda	Boiler & Pressure Vessel Code	IFC	IMC	IFGC	IRC				
CSD-1-~~2009~~ 2011	Controls and Safety Devices for Automatically Fired Boilers	IMC							
ASPE	**American Society of Plumbing Engineers**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
45-~~2007~~ 2013	Siphonic Roof Drainage Systems	IPC							
ASSE	**American Society of Sanitary Engineering**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
~~1016-2010~~ ASSE 1016/ASME A112.1016/CSA B125.16-2011	Performance Requirements for Automatic Compensating, Valves for Individual Showers and Tub/Shower Combinations	IPC	IRC	IgCC					
ASTM	**ASTM International**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
A53/A 53M-~~07~~ 12	Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	IPC	IMC	IRC	IFGC				
A74-~~09~~ 12	Specification for Cast Iron Soil Pipe and Fittings	IPC	IRC	IPSDC					
A82/A 2M-~~05a~~ 07	Specification for Steel Wire, Plain, for Concrete Reinforcement	IRC							
A106/A 106M-~~08~~ 11	Specification for Seamless Carbon Steel Pipe for High-Temperature Service	IMC	IRC	IFGC					
A123/A 123M-~~02~~ 12	Specification of Zinc (Hot-Dip Galvanized) Coating on Iron and Steel Products	IBC							
A126-~~04~~(2009)	Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings	IMC	IRC						
A153/A153M-~~05~~ 09	Specification for Zinc Coating (Hot Dip) on Iron and Steel Hardware	IBC	IRC						
A182-~~10a~~ 12A	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings and Valves and Parts for High-Temperature Service	ISPSC							
A185/A 185M-~~06E01~~ 07	Specification for Steel Welded Wire Reinforcement, Plain for Concrete	IBC							
A240/A 240M-~~09~~ 12	Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications	IBC	IRC	IPSPC					
A252-~~98(2007)~~ 10	Specification for Welded and Seamless Steel Pipe Piles	IBC							
A283/A 283M-~~03(2007)~~ 12	Specification for Low and Intermediate Tensile Strength Carbon Steel Plates	IBC							
A307-~~07b~~ 10	Specification for Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength	IBC	IRC						
A312/A 312M-~~08a~~ 12A	Specification for Seamless, and Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes	IPC	IRC	ISPSC					

A377-~~03~~ 2003(2008)e1*	Index of Specification for Ductile-Iron Pressure Pipe	IRC							
A403-~~10a~~ 12	Standard Specification for Wrought Austenitic Stainless Steel Pipe Fittings	ISPSC							
A416/A 416M-~~06~~ 12A	Specification for Steel Strand, Uncoated Seven-Wire for Prestressed Concrete	IBC							
A420/A 420M-~~07~~ 10A	Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service	IMC							
A421/A 421M- ~~05~~ 10	Specification for Uncoated Stress-Relieved Steel Wire for Prestressed Concrete	IBC							
A435/A 435M-90 ~~(2007)~~ 2012	Specification for Straight-Beam Ultrasonic Examination of Steel Plates	IBC							
A463M/A 463M-~~06~~ 10	Specification for Steel Sheet, Aluminum-Coated, by the Hot Dip Process	IBC	IRC						
A480/A480M-~~06b~~ 12	Specification for General Requirements for Flat-Rolled Stainless and Heat-/Resisting Steel Plate, Sheet and Strip	IBC							
A496-~~05~~ 07	Specification for Steel Wire, Deformed for Concrete Reinforcement	IBC							
A497 A497M-~~06e01~~ 07	Specification for Steel Welded Reinforcement Deformed for Concrete	IBC							
A510-~~08~~ 11	Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel, Alloy Steel	IBC	IRC						
A572/A 572M-~~07~~ 12	Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel	IBC							
A588/A 588M-05 ~~10~~	Specification for High-Strength Low-Alloy Structural Steel with 50 ksi (345 Mpa) Minimum Yield Point, with Atmospheric Corrosion Resistance	IBC							
A615/A 615M-~~09~~ 12	Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement	IBC	IRC						
A653/A 653M-~~08~~ 11	Specification for Steel Sheet, Zinc-Coated Galvanized or Zinc-Iron Alloy-Coated Galvannealed by the Hot-Dip Process	IBC	IRC						
A690/690M-07(2012**)**	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/A 706M-09B	Specification for Low-Alloy Steel Deformed and Plain Bars for Concrete Reinforcement	IBC	IRC						
A722/A 722M-~~07~~ 12	Specification for Uncoated High-Strength Steel Bar for Prestressing Concrete	IBC							
A733-2003(2009)e1*	Specification for Welded and Seamless Carbon Steel and Austenitic Stainless Steel Pipe Nipples	IPC							
A755/A 755M-~~03(2008)~~ 2011	Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process and Prepainted by the Coil-coating Process for Exterior Exposed Building Products	IBC	IRC						

A767/A 767M-~~05~~ 09	Specification for Zinc-Coated (Galvanized) Steel Bars for Concrete Reinforcement	IBC							
A775/A 775M-07b	Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process and Prepainted by the Coil-coating Process for Exterior Exposed Building Products	IBC							
A778-01(2009)e1	Specification for Welded Unannealed Austenitic Stainless Steel Tubular Products	IPC	IRC						
A792/A 792M-~~08~~ 10	Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process	IBC	IRC						
A875/A 875M-~~06~~ 10	Standard Specification for Steel Sheet Zinc-5%, Aluminum Alloy-Coated by the Hot-Dip Process	IBC	IRC						
A888-~~09~~ 11	Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Application	IPC	IPSDC	IRC					
A913/A 913M-~~07~~ 11	Specification for High-Strength Low-Alloy Steel Shapes of Structural Quality, Produced by Quenching and Self-Tempering Process (QST)	IBC							
A924/A 924M-~~08a~~ 2010a	Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot Dip Process	IBC	IRC						
A951/A951M-~~06~~ 11	Specification for Steel Wire Masonry Joint Reinforcement	IRC							
A992/A 992M-~~06a~~ 11	Standard Specification for Structural Shapes	IBC							
A996/A 996M-20**09**b	Specification for Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement	IRC							
A1003/A 1003M-~~08~~ 12	Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-formed Framing Members	IRC							
A1008/A1008M-~~07~~ 12	Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability, Solution Hardened and Bake Hardenable	IBC							
B42-~~02e01~~ 10	Specification for Seamless Copper Pipe, Standard Sizes	IPC	IBC	IRC	IFC				
B43-~~98(2004)~~ 09	Specification for Seamless Red Brass Pipe, Standard Sizes	IPC	IBC	IRC	IFC	IMC			
B68-~~02~~ 11	Specification for Seamless Copper Tube, Bright Annealed	IBC	IFC	IMC					
B75-~~02~~ 11	Specification for Seamless Copper Tube	IPC	IPSDC	IRC	IMC				
B88-~~03~~ 09	Specification for Seamless Copper Water Tube	IPC	IBC	IPSDC	IRC	IMC	IFC	IPSPC	
B101-~~07~~ 12	Specification for Lead-Coated Copper Sheet and Strip for Building Construction	IBC	IRC						
B135-~~08a~~ 10	Specification for Seamless Brass Tube	IRC	IMC						
B152/B 152M-~~06a~~ 09	Specification for Copper Sheet, Strip Plate and Rolled Bar	IPC							
B209-~~07~~ 10	Specification for Aluminum and Aluminum-Alloy Steel and Plate	IBC	IRC						
B210-~~04~~ 12	Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes	IFGC							

B227-~~04~~ 10	Specification for Hard-Drawn Copper-Clad Steel Wire	IRC							
B241/B 241M-~~02~~ 10	Specification for Aluminum and Aluminum-Alloy, Seamless Pipe and Seamless Extruded Tube	IFGC							
B251-~~02e01~~ 10	Specification for General Requirements for Wrought Seamless Copper and Copper-Alloy Tube	IPC	IPSDC	IBC	IFC	IRC	IMC		
B302-~~07~~ 12	Specification for Threadless Copper Pipe, Standard Sizes	IPC	IRC	IMC					
B370-~~09~~ 12	Specification for ~~Cold Rolled~~ Copper Sheet and Strip for Building Construction	IBC	IRC						
B447-~~07~~ 12a	Specification for Welded Copper Tube	IPC	IRC						
B633-~~07~~ 11	Specification for Electodeposited Coatings of Zinc on Iron and Steel	IRC							
B687-99~~(2005)e01~~ (2011)	Specification for Brass, Copper, and Chromium-Plated Pipe Nipples	IPC							
B695-04(2009)	Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel	IBC	IRC						
B813-~~00(2009)~~ 10	Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube	IPC	IPSDC	IRC	IMC				
B828-02(2010)	Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings	IPC	IPSDC	IRC					
C4-04~~e01~~ (2009)	Specification for Clay Drain Tile and Perforated Clay Drain Tile	IPC	IPSDC	IRC					
C5-~~03~~ 10	Specification for Quicklime for Structural Purposes	IBC	IRC						
C14-~~07~~ 11	Specification for Nonreinforced Concrete Sewer, Storm Drain, and Culvert Pipe	IPC	IPSDC	IRC					
C22/C 22M-00~~(2005)e01~~ (2010)	Specification for Gypsum	IBC	IRC						
C27-98(2008)	Specification for ~~Standard~~ Classification of Fireclay and High-Alumina Refractory Brick	IBC	IRC						
C28/C 28M-~~00(2005~~**)** 10	Specification for Gypsum Plasters	IBC	IRC						
C31/C 31M-~~08b~~ 12	Practice for Making and Curing Concrete Test Specimens in the Field	IBC							
C33/C33M-~~08~~ 11a	Specification for Concrete Aggregates	IBC	IRC						
C34–~~03~~ 10	Specification for Structural Clay Load-Bearing Wall Tile	IBC	IRC						
C35-~~01(2005)~~/C35M-1995(2009)	Specification for Inorganic Aggregates for Use in Gypsum Plaster	IBC	IRC						
~~C36/C 36M-03~~ Withdrawn Replaced	Specification for Gypsum Wallboard	IBC							
~~C37/C 37M-01~~ Withdrawn Replaced	Specification for Gypsum Lath	IBC							
C42/C 42M-~~04~~ 12	Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	IBC							
C55-~~06e01~~ 2011	Specification for Concrete Building Brick	IBC	IRC						
C56-~~05~~ 2010	Specification for Structural Clay Non-Load-Bearing Tile	IBC							
C59/C 59M-**00(2006)**	Specification for Gypsum Casting Plaster and Molding Plaster	IBC	IRC						

C61/C 61M-00(2006) (2011)	Specification for Gypsum Keene's Cement	~~IBC~~	IRC						
C62-~~08~~ 12	Specification for Building Brick (Solid Masonry Units Made From Clay or Shale)	IBC	IRC						
C67-~~08~~ 12	Test Methods of Sampling and Testing Brick and Structural Clay Tile	IBC							
C73-~~05~~ 10	Specification for Calcium Silicate ~~Face~~ Brick (Sand-Lime Brick)	IBC	IRC						
C76-~~08a~~ 12a	Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe	IPC	IPSDC	IRC					
C90-~~08~~ 12	Specification for Loadbearing Concrete Masonry Units	IBC	IRC	IECC					
C91-~~05~~ 12	Specification for Masonry Cement	IBC	IRC						
C94/C 94M-~~09~~ 12	Specification for Ready-Mixed Concrete	IBC	IRC						
C109/C 109M-~~05~~ 2001b	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)	IBC							
C126-~~99(2005)~~ 12	Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units	IBC							
C129-~~06~~ 11	Specification for Nonload-bearing Concrete Masonry Units	IBC	IRC						
C140-~~08a~~ 2012a	Test Method Sampling and Testing Concrete Masonry Units and Related Units	IBC	IRC						
C143/C 143M-~~08~~ 2010a	Test Method for Slump of Hydraulic Cement Concrete	IRC							
~~C145-85~~ *Withdrawn Combined*	Specification for Solid-Load Bearing Concrete Masonry Units	IRC							
C150-~~07~~ 12	Specification for Portland Cement	IBC	IRC						
C172/C172M-~~08~~ 10	Practice for Sampling Freshly Mixed Concrete	IBC							
C199-84 (~~2005~~) (2011)	Test Method for Pier Test for Refractory Mortars	IBC	IRC						
C203-~~5a~~ (2012)	Standard Test Methods for Breaking Load and Flexural Properties of Block-type Thermal Insulation	IRC							
C206-03(2009)	Specification for Finishing Hydrated Lime	IBC							
C207-~~06~~ 2011	Specification for Hydrated Lime for Masonry Purposes	IBC	IRC						
C208-~~2008a~~ 12	Specification for Cellulosic Fiber Insulating Board	IBC	IRC						
C212-~~00(2006)~~10	Specification for Structural Clay Facing Tile	IBC							
C216-~~07a~~ 12	Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)	IBC	IRC						
C270-~~08a~~ 12a	Specification for Mortar for Unit Masonry	IBC	IRC						
C272-~~01(2007)~~/C272M-12	Standard Test Method for Water Absorption of Core Materials for ~~Structural~~ Sandwich Constructions	IRC							
C273/C273M-~~07a~~ 11	Standard Test Method for Shear Properties of Sandwich Core Materials	IRC							

C296-~~00(2004)~~ /C296M-00(2009)e1	Specification for Asbestos-Cement Pressure Pipe	IPC	IRC						
C315-07(2011)	Specification for Clay Flue Liners and Chimney Pots	IBC	IRC	IMC	IFGC				
C317/C 317M-00~~(2005)~~ 2010	Specification for Gypsum Concrete	IBC							
C330-~~05~~**/C330-2009**	Specification for Lightweight Aggregates for Structural Concrete	IBC							
C331-~~05~~ /C331M-2010	Specification for Lightweight Aggregates for Concrete Masonry Units	IBC							
C406-~~06e01~~ /C406M-2010	Specification for Roofing Slate	IBC	IRC						
C411-~~05~~ 11	Test Method for Hot-Surface Performance of High-Temperature Thermal Insulation	IRC	IMC						
C425-04(2009)	Specification for Compression Joints for Vitrified Clay Pipe and Fittings	IPC	IPSDC	IRC					
C428/C428M-05(20~~06~~11)e1	Specification for Asbestos-Cement Nonpressure Sewer Pipe	IPC	IPSDC	IRC					
C443-~~05a~~ 12	Specification for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets	IPC	IPSDC	IRC					
C472-99~~(2004)~~ (2009)	Specification for Standard Test Methods for Physical Testing of Gypsum, Gypsum Plasters and Gypsum Concrete	IBC							
C473-~~07~~ 12	Test Methods for Physical Testing of Gypsum Panel Products	IBC							
C474-~~05~~ 12	Test Methods for Joint Treatment Materials for Gypsum Board Construction	IBC							
C475/C 475M-~~02(2007)~~ 12	Specification for Joint Compound and Joint Tape for Finishing Gypsum ~~Wall~~ Board	IBC	IRC						
C476-~~08~~ 10	Specification for Grout for Masonry	IRC							
C496/C496M-~~96~~ 11	Standard Test Method for Splitting Tensile Strength of Cylindrical Concrete Specimens	IEBC							
C503-~~08a~~ 10	Specification for Marble Dimension Stone (Exterior)	IBC							
C508/C508M-00~~(2004)~~ (2009)e1	Specification for Asbestos-Cement Underdrain Pipe	IPC	IRC						
C514-04(2009)e1	Specification for Nails for the Application of Gypsum Board	IBC	IRC						
C516-08~~a~~	Specification for Vermiculite Loose Fill Thermal Insulation	IBC							
C518-~~04~~ 10	Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	IBC	IECC						
C547-~~07e1~~ 12	Specification for Mineral Fiber Pipe Insulation	IBC							
C549-06(2012)	Specification for Perlite Loose Fill Insulation	IBC							
C552-~~07~~ 12b	Standard Specification for Cellular Glass Thermal Insulation	IBC	IRC						
C557-03(2009)e~~0~~1	Specification for Adhesives for Fastening Gypsum Wallboard to Wood Framing	IBC	IRC						
C564-~~08~~ 12	Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings	IPC	IPSDC	IRC					

C568-~~08a~~ 10	Specification for Limestone Dimension Stone	IBC							
C578—~~08b~~12a	Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation	IBC	IRC						
C587-04~~(2009)~~	Specification for Gypsum Veneer Plaster	IBC	IRC						
C595/C95M-~~08a~~ 2012e1	Specification for Blended Hydraulic Cements	IBC	IRC						
C615/C615M-~~03~~ 2011	Specification for Granite Dimension Stone	IBC							
C616/C616M-~~08a~~ 2010	Specification for Quartz Dimension Stone	IBC							
C629-~~08~~ 2010	Specification for Slate Dimension Stone	IBC							
~~C630/C 630M-03~~ *Withdrawn replaced by C1396/C1396M-11*	Specification for Water-Resistant Gypsum Backing Board	IBC	IRC						
C635/C635M-~~07~~ 12	Specification for the Manufacturer, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings	IBC							
C645-~~08a~~ 11A	Specification for Nonstructural Steel Framing Members	IBC	IRC						
C652-~~09~~ 12	Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)	IBC	IRC						
C685/C 685M-~~07~~ 11	Specification for Concrete Made by Volumetric Batching and Continuous Mixing	IRC							
C700-~~07a~~ 11	Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated	IPC	IPSDC	IRC					
C726-~~05e1~~ 12	Standard Specification for Mineral Wool Roof Insulation Board	IBC							
C728-05(2010)	Standard Specification for Perlite Thermal Insulation Board	IBC	IRC						
C744-~~08~~ 11	Specification for Prefaced Concrete and Calcium Silicate Masonry Units	IBC							
C754-~~08~~ 11	Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products	IBC							
C836/C836M-~~06~~ 12	Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course	IBC	IRC						
C840-~~08~~ 11	Specification for Application and Finishing of Gypsum Board	IBC							
C841-03(2008)E1	Specification for Installation of Interior Lathing and Furring	IBC							
C842-~~05~~(2010)E1	Specification for Application of Interior Gypsum Plaster	IBC							
C843-99~~(2006)~~ (2012)	Specification for Application of Gypsum Veneer Plaster	IBC	IRC						
C844-04(2010)	Specification for Application of Gypsum Base to Receive Gypsum Veneer Plaster	IBC	IRC						
C847-~~09~~ 12	Specification for Metal Lath	IBC	IRC						
C887-05(2010)	Specification for Packaged, Dry, Combined Materials for Surface Bonding Mortar	IBC	IRC						

C897-05(2009)	Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters	IBC	IRC						
C920-~~08~~ 11	Standard Specification for Elastomeric Joint Sealants	IBC	IRC	IgCC					
C926-~~06~~ 12A	Specification for Application of Portland Cement-Based Plaster	IBC	IRC						
C931/C 931M-04 *Withdrawn Replaced by C1396/C1396M-11*	Specification for Exterior Gypsum Soffit Board	IBC							
C932-06	Specification for Surface-Applied Bonding Compounds ~~Agents~~ for Exterior Plastering	IBC							
C933-~~07b~~ 11	Specification for Welded Wire Lath	IBC							
C946-~~91 (2001)~~ 10	Specification for ~~Practice for~~ Construction of Dry-stacked, Surface-Bonded Walls	IBC							
C954-~~07~~ 11	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						
C955-~~09~~ 11C	Standard Specification for Load-bearing Transverse and Axial Steel Studs, Runners Tracks, and Bracing or Bridging, for Screw Application of Gypsum Panel Products and Metal Plaster Bases	IBC	IRC						
C956-04(2010)	Specification for Installation of Cast-in-Place Reinforced Gypsum Concrete	IBC							
C957-~~06~~ 10	Specification for High-Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane with Integral Wearing Surface	IBC	IRC						
C989/C989M-~~06~~ 12A	Specification for ~~Ground Granulated Blast-Furnace~~ Slag Cement for Use in Concrete and Mortars	IBC							
C1007-~~08a~~ 11a	Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories	IBC							
C1019-~~09~~ 11	Test Method for Sampling and Testing Grout	IBC							
C1029-~~08~~ 10	Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation	IBC	IRC						
C1032-06(2011)	Specification for Woven Wire Plaster Base	IBC	IRC						
C1047-~~09~~ 10A	Specification for Accessories for Gypsum Wallboard and Gypsum Veneer Base	IBC	IRC						
C1053-00~~(2005)~~ (2010)	Specification for Borosilicate Glass Pipe and Fittings for Drain, Waste, and Vent (DWV) Applications	IPC							

C1063-~~08~~ 12C	Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster	IBC	IRC						
C1088-09	Specification for Thin Veneer Brick Units Made From Clay or Shale	IBC							
C1072-~~06~~ 11	Standard Text Method for Measurement of Masonry Flexural Bond Strength	IBC							
C1107/C1107-~~08~~ 11	Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink)	IRC							
C1116/C1116M-~~08a~~ 10	Standard Specification for Fiber - Reinforced Concrete and Shotcrete	IRC							
C1157-~~08a~~ 11	Standard Performance Specification for Hydraulic Cement	IBC							
C1167-~~03~~ 11	Specification for Clay Roof Tiles	IBC	IRC						
C1173-~~08~~ 10	Specification for Flexible Transition Couplings for Underground Piping Systems	IPC	IPSDC	IRC					
C1178/C 1178M-~~06~~ 11	Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel	IBC	IRC						
C1186-08	Specification for Flat ~~Nonasbestos~~ Fiber Cement Sheets	IBC	IRC						
C1218/C1218M-99(2008)	Test Method for Water-Soluble Chloride in Mortar and Concrete	IBC							
C1240-~~05~~ 12	Specification for Silica Fume Used in Cementitious Mixtures	IBC							
C1261-~~07~~ 10	Specification for Firebox Brick for Residential Fireplaces	IBC	IRC						
C1277-~~08~~ 11	Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings	IPC	IPSDC	IRC					
C1278/C1278M-07a(2011)	Specification for Fiber-Reinforced Gypsum Panels	IBC	IRC						
C1280-~~09~~ 12A	Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing	IBC							
C1283-~~07a~~ 11	Practice for Installing Clay Flue Lining	IBC	IRC						
C1288-99(~~2004~~)~~e1~~ 2010	Standard Specification for Discrete Non-Asbestos Fiber-Cement Interior Substrate Sheets	IBC	IRC						
C1289—~~08~~ 12a	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board	IBC	IRC						
C1314-~~07~~ 11A	Test Method for Compressive Strength of Masonry Prisms	IBC							

C1325-08b	Standard Specification for Non-Asbestos Fiber-Mat Reinforced Cement ~~Interior Substrate Sheets~~ Backer Units	IBC	IRC						
C1328/C1328M-~~05~~ 12	Specification for Plastic (Stucco Cement)	IBC	IRC						
C1364-~~07~~ 10B	Standard Specification for Architectural Cast Stone	IBC							
C1371-04A(2010)E1	Standard Test Method For Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers	IECC	IgCC						
C1373/C1373-~~03~~ 11	Standard Practice for Determination of Thermal Resistance of Attic Insulation Systems Under Simulated Winter Conditions	IECC							
C1396/1396M-~~06a~~ 11	Specification for Gypsum Ceiling Board	IBC	IRC						
C1405-~~08~~ 12	Standard Specification for Glazed Brick (Single Fired, Solid Brick Units)	IBC							
C1492-03(2009)	Standard Specification for Concrete Roof Tile	IBC	IRC						
C1513-~~04~~ 12	Standard Specification for Concrete Roof Tile	IRC							
C1540-~~08~~ 11	Specification for Heavy Duty Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings	IPC							
C1611/C 1611M-~~05~~ 09BE1	Standard Test Method for Slump Flow of Self-Consolidating Concrete	IBC							
C1629/C1692M—06(2011)	Standard Classification for Abuse-Resistant Nondecorated Interior Gypsum Panel Products and Fiber-Reinforced Cement Panels	IBC							
C1658/C1658-~~06~~ 12	Standard Specification for Glass Mat Gypsum Panels	IBC	IRC						
C1563-08	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							
D25-~~99(2005)~~12	Specification for Round Timber Piles	IBC							
D56-05(2010)	Test Method for Flash Point by Tag Closed Tester	IBC							
D86-~~09~~ 2011b	Test Method for Distillation of Petroleum Products at Atmospheric Pressure	IBC	IFC						
D92-~~05a~~ 12	Test Method for Flash and Fire Points by Cleveland Open Cup Tester	IFC							
D93-~~08~~ 11	Test Method for Flash Point by Pensky-Martens Closed Cup Tester	IBC	IFC	IMC					

D226/D226M-~~06~~ 09	Specification for Asphalt-Saturated Organic Felt Used in Roofing and Waterproofing	IBC	IRC						
D227/D227M-03(2011)E1	Specification for Coal-Tar-Saturated Organic Felt Used in Roofing and Waterproofing	IBC	IRC						
D635-~~06~~ 10	Test Method for Rate of Burning and/or Extent and Time of Burning of ~~Self-Supporting~~ Plastics in a Horizontal Position	IBC							
D1003-~~07~~ 11e1	Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics	IECC							
D1248-~~05~~ 12	Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable	IRC							
D1557-~~07~~ 12	Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lb/ft3(2,700kN-m/m3))	IBC							
D1593-09	Non-rigid vinyl chloride plastic film and sheeting	ISPSC							
D1621-~~04a~~ 10	Standard Test Method for Compressive Properties Of Rigid Cellular Plastics	IRC							
D1623-~~03~~ 09	Standard Test Method for Tensile and Tensile Adhesion Properties of Rigid Cellular Plastics	IRC							
D1693-~~08~~ 12	Test Method for Environmental Stress-Cracking of Ethylene Plastics	IRC	IMC						
D1784-~~08~~ 11	Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Choloride) (CPVC) Compounds	IRC							
D1785-~~06~~ 12	Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80 and 120	IPC	IMC	IRC	ISPSC				
D1863/D1863M-05(2011)E1	Specification for Mineral Aggregate Used on Built-Up Roofs	IBC	IRC						
D1869-95 ~~(2005)e1~~ (2010)	Specification for Rubber Rings for Asbestos-Cement Pipe	IPC	IPSDC	IRC					
D1929-~~96(2001)e01~~ 12	Test Method for Determining Ignition ~~Properties~~ Temperature of Plastics	IBC							
D1970/D1970M-~~09~~ 11	Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roof Underlayment for Ice Dam Protection	IBC	IRC						
D2126-~~04~~ 09	Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging	IRC							
D2216-~~05~~ 10	Test Method for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	IBC							
D2235-04 (2011)	Specification for Solvent Cement for Acrylonitrile-Butadiene-Styrene (ABS) Plastic Pipe and Fittings	IPC	IPSDC	IMC	IRC				
D2239-~~03~~ 12	Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter	IPC	IRC						

D2241-~~05~~ 09	Specification for Poly (Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR-Series)	IPC	IRC	IMC	ISPSC				
D2412-~~02(2008)~~ 11	Test Method for Determination of External Loading Characteristics of Plastic Pipe by Parallel-Plate Loading	IRC	IMC						
D2487-~~06e1~~ 2011	Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)	IBC							
D2513-~~08b~~ 12	Specification for ~~Thermoplastic~~ Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings	IRC	IMC	IFGC					
D2559-~~04~~ 12A	Standard Specification for Adhesives for ~~Structural Laminated~~ Bonded Structural Wood Products for Use under Exterior (West Use) Exposure Conditions	IRC							
D2564-~~04e01~~ 12	Specification for Solvent Cements for Poly (Vinyl Chloride) (PVC) Plastic Piping Systems	IPC	IPSDC	IRC	IMC				
D2626/D2626M-04(2012)E1	Specification for Asphalt-Saturated and Coated Organic Felt Base Sheet Used in Roofing	IBC	IRC						
D2661-~~08~~ 11	Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe and Fittings	IPC	IPSDC	IRC					
D2665-~~09~~ 12	Specification for Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	IPC	IPSDC	IRC					
D2672-96a~~(2003)~~ (2009)	Specification for Joints for IPS PVC Pipe Using Solvent Cement	IPC	IRC	ISPSC					
D2683-~~04~~ 10	Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing	IPC	IRC	IMC					
D2729-~~03~~ 11	Specification for Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings	IRC	IPC	IPSDC					
D2737-~~03~~ 12E1	Specification for Polyethylene (PE) Plastic Tubing	IPC	IRC						
D2822/D2822M-05(2011)E1	Specification for Asphalt Roof Cement, Asbestos Containing	IBC	IRC						
D2823/D2823M-05 (2011)E1	Specification for Asphalt Roof Coatings, Asbestos Containing	IBC	IRC						
D2824-06(2012)E1	Specification for Aluminum-Pigmented Asphalt Roof Coatings, Non-fibered, Asbestos Fibered, and Fibered without Asbestos	IRC	IBC						
D2837-~~08~~ 11	Test Method for Obtaining Hydrostatic Design Basis for Thermoplastic Pipe Materials or Pressure Design Basis for Thermoplastic Pipe Products	IRC	IMC						
D2843-~~99(2004)e01~~ 10	Test for Density of Smoke from the Burning or Decomposition of Plastics	IBC							
D2846/D 2846M-09BE1	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Hot- and Cold-Water Distribution Systems	IPC	IRC	IMC	ISPSC				
D2855-96~~(2002)~~ (2010)	Practice for Making Solvent-Cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings	IPC	IPSDC	IRC					
D2859-06 (2011)	Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials	IBC	IFC						
D2898-~~(04)~~ 10	Standard Test Methods for Accelerated Weathering of Fire-	IBC	IRC	IWUIC					

	Retardant-Treated Wood for Fire Testing								
D2949-~~01a(2008)~~ 10	Specification for 3.25-in. Outside Diameter Poly (Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings	IPC	IPSDC	IRC					
D2974-07~~a~~ A	Standard Test Methods for Moisture, Ash and Organic Matter of Peat and other Organic Soils	IgCC							
D3035-~~08~~ 12	Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter	IPC	IRC	IMC					
D3139-98(~~2005~~) 2011	Specification for Joints for Plastic Pressure Pipes Using Flexible Elastomeric Seals	IPC							
D3161/D3161M-~~09~~ 12	Test Method for a Wind Resistance of Asphalt Shingles (Fan Induced Method)	IBC	IRC						
D3200-74(~~2005~~) 2012	Standard Specification and Test Method for Establishing Recommended Design Stresses for Round Timber Construction Poles	IBC							
D3201-08AE1	Test Method for Hygroscopic Properties of Fire-Retardant Wood and Wood-Based Products	IBC	IRC	IWUIC					
D3261-~~03~~ 12	Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings Plastic Pipe and Tubings	IMC	IPC						
D3278-1996(~~2004~~)~~e1~~ (2011)	Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus	IBC	IFC	IMC					
D3311-~~08~~ 11	Specification for Drain, Waste and Vent (DWV) Plastic Fittings Patterns	IPC	IRC						
D3350-~~08~~ 12	Specification for Polyethylene Plastics Pipe and Fittings Materials	IRC	IMC						
D3462/3462M-~~09~~ 10A	Specification for Asphalt Shingles Made From Glass Felt and Surfaced with Mineral Granules	IBC	IRC						
D3679-~~09~~ 11	Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding	IBC	IRC						
D3689-07	Test Methods for Deep Foundations ~~Piles~~ Under Static Axial Tensile Load	IBC							
D3737-~~08~~ 09E1	Practice for Establishing Allowable Properties for Structural Glued Laminated Timber (Glulam)	IBC	IRC						
D3805/D3805M-97(~~2003~~)~~e1~~ (2009)	Standard Guide for Application of Aluminum-Pigmented Asphalt Roof Coatings	IBC							
D3909/D3909M-97b(~~2004~~) 2012e1	Specification for Asphalt Roll Roofing (Glass Felt) Surfaced with Mineral Granules	IBC	IRC	IWUIC					
D3957-~~06~~ 09	Standard Practices for Establishing Stress Grades for Structural Members Used In Log Buildings	IBC	IRC						
D4022/D4022M-2007(2012)E1	Specification for Coal Tar Roof Cement, Asbestos Containing	IBC	IRC						
D4068-~~01~~ 09	Specification for Chlorinated Polyethylene (CPE) Sheeting for Concealed Water-Containment Membrane	IPC	IRC						
D4272-~~08a~~ 09	Test Method for Total Energy Impact of Plastic Films by Dart Drop	IBC							
D4318-~~05~~ 10	Test Method for Liquid Limit, Plastic Limit, and Plasticity Index of Soils	IBC	IRC						
D4434/D4434M-~~09~~ 12	Specification for Poly (Vinyl Chloride) Sheet Roofing	IBC	IRC						

D4479/D4479M-07(2012)E1	Specification for Asphalt Roof Coatings - Asbestos-Free	IBC	IRC						
D4551-~~96 (2008)e1~~ 12	Specification for Poly (Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-Containment Membrane	IPC	IRC						
D4586/D4586M-07(2012)E1	Specification for Asphalt Roof Cement, Asbestos-Free	IBC	IRC						
D4601/D4601M-~~08~~ 042012E1	Specification for Asphalt-Coated Glass Fiber Base Sheet Used in Roofing	IBC	IRC						
D4637/D4637M-~~08~~ 12	Specification for EPDM Sheet Used in Single-Ply Roof Membrane	IBC	IRC						
D4829-~~08a~~ 11	Test Method for Expansion Index of Soils	IBC	IRC						
D4869/D4869M-05(2011)e01	Specification for Asphalt-Saturated (Organic Felt) Underlayment Used in Steep Slope Roofing	IBC	IRC						
D4897/D4897M-01(2009)	Specification for Asphalt-Coated Glass-Fiber Venting Base Sheet Used in Roofing	IBC	IRC						
D4945-~~08~~ 12	Test Methods for High-Strain Dynamic Testing of Deep Foundations	IBC							
~~D5019-07a~~ Withdrawn/no replacement	Specification for Reinforced CSM Polymeric Sheet Used in Roofing Membrane	IBC	IRC						
D5055-~~10~~ 12	Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-Joists	IBC	IRC	IgCC					
D5197-09E1	Test Method for Determination of Formaldehyde and Other Carbonyl Compounds in Air (Active Sampler Methodology)	IgCC							
D5456-~~10~~ 12	Standard Specification for Evaluation of Structural Composite Lumber Products	IBC	IRC	IgCC					
D5516-~~03~~ 09	Test Method of Evaluating the Flexural Properties of Fire-Retardant Treated Softwood Plywood Exposed to the Elevated Temperatures	IBC	IRC						
D5643/D5643M-06 (2012)E1	Specification for Coal Tar Roof Cement, Asbestos-Free	IBC	IRC						
D5664-~~08~~ 10	Test Methods for Evaluating the Effects of Fire-Retardant Treatments and Elevated Temperatures on Strength Properties of Fire-Retardant Treated Lumber	IBC	IRC						
D6162-2000a(2008)	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	IBC	IRC						
D6164/D6164M-~~05e1~~ 11	Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Polyester Reinforcements	IBC	IRC						
D6222/D6222M-~~08~~ 11	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using Polyester Reinforcements	IBC	IRC						
D6223D6223M-02(2009)E1	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements	IBC	IRC						

D6662-09	Standard Specification for Polyolefin-Based Plastic Lumber Decking Boards	IWUIC							
D6694-08	Standard Specification for Liquid-applied Silicone Coating Used In Spray Polyurethane Foam Roofing Systems	IBC	IRC						
D6698-07 12	Standard Test Method for On-Line Measurement of Turbidity Below 5 NTU in Water	IgCC							
D6754/D6745M-02 10	Standard Specification for Ketone Ethylene Ester Based Sheet Roofing	IBC	IRC						
D6757-07	Standard Specification for Inorganic Underlayment Felt Containing Inorganic Fibers used in Steep-Slope Roofing Products	IBC	IRC						
D6878-08e1/D6878-11A	Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing	IBC	IRC						
D6886-11 12	Standard Methods for Determining the Biobased Content of Solid, Liquid, and Gaseous Samples Using Radiocarbon Analysis	IgCC							
D7032-08 10a	Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails)	IRC	IWUIC						
D7158-08d /D7158M 2011	Standard Test Method for Wind Resistance of Sealed Asphalt Shingles (Uplift Force/Uplift Resistance Method)	IBC	IRC						
E84-09 2012c	Test Method for Surface Burning Characteristics of Building Materials	IBC	IFC	IRC	IMC				
E96/E96M-05 10	Test Method for Water Vapor Transmission of Materials	IBC	IRC						
E108-07a 2011	Test Methods for Fire Tests of Roof Coverings	IBC	IRC						
E119-2008a 2012a	Standard Test Methods for Fire Tests of Building Construction and Materials	IBC	IRC	IMC	IWUIC				
E136-09 2012	Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 Degrees C	IBC	IRC	IMC	IWUIC				
E519-00e1 /E519M 2010	Standard Test Method for Diagonal Tension (Shear) in Masonry Assemblages	IEBC							
E605-93(2006) (2011)	Test Method for Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members	IBC							
E681-04 2009	Test Method for Concentration Limits of Flammability of Chemicals (Vapors and Gases)	IBC	IFC						
E736-00(2006) (2011)	Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members	IBC							
E779—03 10	Standard Test Method for Determining Air Leakage Rate by Fan Pressurization	IECC	IgCC						
E814-08b 2011a	Test Method of Fire Tests of Through-Penetration Firestops	IBC	IRC	IMC					
E970-08a 2010	Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source	IBC	IRC						
E1300-07e01 12AE1	Practice for Determining Load Resistance of Glass in	IBC							

	Buildings								
E1332-90(2003)	Standard Classification for the Determination of Outdoor-Indoor Transmission Class	IgCC							
E1354-~~09~~ 2011b	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter	IBC	IFC						
E1465-08A	Standard Practice for Radon Control Options for the Design and Construction of New Low-Rise Residential Buildings	IRC							
E1509-~~04~~ 12	Standard Specification for Room Heaters, Pellet Fuel-Burning Type	IRC	IMC	IgCC					
E1529-~~06~~ 10	Test Method for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies	IFC							
E1537-~~07~~ 12	Test Method for Fire Testing of Upholstered Furniture	IFC							
E1590-~~07~~ 12	Test Method for Fire Testing of Mattresses	IFC							
E1592-05(2012)	Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference	IBC							
E1602-~~03~~ 02(2010)E1	Guide for Construction of Solid Fuel-Burning Masonry Heaters	IBC	IRC						
E1643-~~10~~ 11	Standard Practice for Selection, Design, Installation, and Inspection of Water Vapor Retarders used in Contact with Earth or Granular Fill Under Concrete Slabs	IgCC							
E1677-~~05~~ 11	Standard Specification for an Air Retarder (AR) Material or System for Low-Rise Framed Building Walls	IECC							
E1966-07A(2011)	Test Method for Fire resistant Joint Systems	IBC	IFC						
E1980-~~01~~ 11	Standard Practice for Calculating Solar Refluctance Index of Horizontal and Low-sloped Opaque Surfaces	IECC	IgCC						
E1996-~~09~~ 12	Specification for Performance of Exterior Windows, ~~Glazed~~ Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes	IBC	IRC	IFC					
E2072-~~04~~ 10	Standard Specification for Photolumiscent (Phosphorescent) Safety Markings	IBC	IFC						
E2174-~~09~~ 10AE1	Standard Practice for On-Site Inspection of Installed Fire Stops	IBC	IEBC						
E2178~~–03~~ 11	Standard Test Method for Air Permeance of Building Materials	IRC	IECC						
E2231-~~04~~ 09	Standard Practice for Specimen Preparation and Mounting of Pipe and Duct Insulation Materials to Assess to Surface Burning Characteristics	IRC	IMC						
E2273-03(2011)	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies	IBC	IRC						

E2307 -~~04~~ 12	Standard Test Method for Determining Fire Resistance of a Perimeter ~~Fire Barriers~~ Joint System Between an Exterior Wall Assembly and a Floor Assembly Using the Intermediate-Scale, Multi-story Test Apparatus[1].	IBC							
E2336-04(2009)	Standard Test Methods Fire Resistive Grease Duct Enclosure Systems	IMC							
E2357-~~05~~ 11	Standard Test Method for Determining Air Leakage Rate of Air Barrier Assemblies	IECC							
E2393-~~09~~ 10A	Standard Practice for On-Site Inspection of Installed Fire Resistive Joint Systems and Perimeter Fire Barrier	IBC	IEBC						
E2404—~~08~~ 12	Standard Practice for Specimen Preparation and Mounting of Textile, Paper or Vinyl Wall or Ceiling Coverings to Assess Surface Burning Characteristics	IBC	IFC						
E2568—09e1	Standard Specification of PB Exterior Insulation and Finish Systems ~~(EIFS)~~	IBC	IRC						
E2573—~~07a~~ 12	Standard Practice for Specimen Preparation and Mounting of Site-fabricated Stretch Systems to Assess Surface Burning Characteristics	IBC	IFC						
E2599-~~09~~ 11	Standard Practice for Specimen Preparation and Mounting of Reflective Insulation Materials and Vinyl Stretch Ceiling Materials ~~Radiant Barrier~~ for Building Applications to Assess Surface Burning Characteristics	IBC							
E2634-~~08~~ 11	Standard Specification for Flat Wall Insulating Concrete Form (ICF) Systems	IBC	IRC						
F409-~~02(2008)~~ 12	Specification for Thermoplastic Accessible and Replaceable Plastic Tube and Tubular Fittings	IPC	IRC						
F437-~~06~~ 09	Specification for Threaded Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80	IPC	IRC	IMC	ISPSC				
F438-~~04~~ 09	Specification for Socket-Type Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 40	IPC	IRC	IMC	ISPSC				
F439-~~06~~ 12	Specification for ~~Socket-Type~~ Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe Fittings, Schedule 80	IPC	IRC	IMC	ISPSC				
F441/F 441M-~~02(2008)~~ 12	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80	IPC	IRC	IMC					
F442/F 442M-~~99(2005)e1~~ 12	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)	IPC	IRC	IMC					
F477-~~08~~ 10	Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe	IPC	IPSDC	IRC					
F493-~~04~~ 10	Specification for Solvent Cements for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe and Fittings	IPC	IRC	IMC					
F547-~~06~~ (2012)	Terminology of Nails for Use with Wood and Wood-based Materials	IBC							

F656-~~08~~ 10	Specification for Primers for Use in Solvent Cement Joints of Poly (Vinyl Chloride) (PVC) Plastic Pipe and Fittings	IPC	IPSDC	IRC					
F714-~~08~~ 12E1	Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter	IPC	IRC	IMC					
F876-~~08b~~ 10E1	Specification for Crosslinked Polyethylene (PEX) Tubing	IPC	IRC	IMC					
F877-~~07~~ 11	Specification for Crosslinked Polyethylene (PEX) Plastic Hot- and Cold-Water Distribution Systems	IPC	IRC	IMC					
F891-~~07~~ 10	Specification for Coextruded Poly (Vinyl Chloride) (PVC) Plastic Pipe with a Cellular Core	IPC	IPSDC	IRC					
F1055-~~98(2006)~~ 11	Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene Pipe and Tubing	IPC	IRC	IMC					
F1281-~~07~~ 11	Specification for Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Pressure Pipe	IPC	IRC	IMC					
F1282-~~06~~ 10	Specification for Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure Pipe	IPC	IMC	IRC					
F1346-91 ~~(2003)~~ (2010	Performance Specification for Safety Covers and Labeling Requirements for All Covers for Swimming Pools, Spas and Hot Tubs	IBC	IRC	IPMC	IgCC	ISPSC			
F1484-~~05~~ 12	Standard Test Methods for Performance of Steam Cookers	IgCC							
F1488-~~03~~ 09E1	Specification for Coextruded Composite Pipe	IPC	IPSDC	IRC	IgCC				
F1496-~~99(2005)e1~~ 12	Standard Test Method for Performance of Convection Ovens	IgCC							
F1499-~~01(2008)~~ 12	Specification for Coextruded Composite Drain, Waste, and Vent Pipe (DWV)	IPSDC							
F1667-05 11A E1	Specification for Driven Fasteners: Nails, Spikes, and Staples	IBC	IRC						
F1673-~~04(2005)~~ 10	Standard Specification for Polyvinylidene Fluoride (PVDF) Corrosive Waste Drainage Systems	IPC							
F1807-~~08~~ 12	Specifications 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	IPC	IRC	IMC					

F1924-~~05~~ 12	Standard Specification for Plastic Mechanical Fittings for Use on Outside Diameter Controlled Polyethylene Gas Distribution Pipe and Tubing	IMC							
F1960-~~09~~ 12	Specification for Cold Expansion Fittings with PEX Reinforcing Rings for Use with Cross-linked Polyethylene (PEX) Tubing	IPC	IRC	IMC					
F1974-~~08~~ 09	Specification for Metal Insert Fittings for Polyethylene/Aluminum/Polyethylene and Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene Composite Pressure Pipe	IPC	IRC	IMC					
F1986-01~~(2006)~~ (2011)	Specification for Multilayer Pipe, Type 2, Compression Fittings and Compression Joints for Hot and Cold Drinking Water Systems	IPC	IRC						
F2080-~~08~~ 09	Specification for Cold-Expansion Fittings with Metal Compression-Sleeves for Cross-linked Polyethylene (PEX) Pipe	IPC	IRC						
F2098-08	Standard Specification for Stainless Steel Clamps for Securing SDR9 Cross-Linked Polyethylene (PEX) Tubing to Metal Insert and Plastic Insert Fittings	IPC	IRC						
F2159-~~05~~ 11	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	IPC							
F2200~~—05~~ 11B	Standard Specification for Automated Vehicular Gate Construction	IRC	IFC						
F2262-~~05~~ 09	Standard Specification for Cross-linked Polyethylene/Aluminum/Cross-linked Polyethylene Tubing OD Controlled SDR9	IPC	IRC						
F2306/F 2306M-~~08~~ 11	Specification for 12" to 60" 300 to 1500 mm annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Gravity-Flow Storm Sewer and Subsurface Drainage Applications	IPC							
F2387-04(2012)	Standard Specification for Manufactured Safety Vacuum Release Systems, Swimming (SVRS) for Pools, Spas and Hot Tubs	IBC							
F2389-~~07e1~~ 10	Specification for Pressure-Rated Polypropylene (PP) Piping Systems	IPC	IRC	IMC					
F2434-~~08~~ 09	Standard Specification for Metal Insert Fittings Utilizing a Copper Crimp ring for SDR9 Cross-Linked Polyethylene (PEX) Tubing and SDR9 Cross-Linked Polyethylene/Aluminum/Cross-Linked Polyethylene (PEX-AL-PEX) Tubing	IPC	IRC	IMC					
F2735-09	Standard Specification for Plastic Insert Fittings for SDR9 Cross-linked Polyethylene (PEX) and Polyethylene of Raised Temperature (PE-RT) Tubing	IMC	IPC	IRC					
F2769-~~09~~ 10	Polyethylene of Raised Temperature (PE-RT) Plastic Hot and Cold-Water Tubing and Distribution Systems	IMC	IPC	IRC					

AWCI	The Association of the Wall & Ceiling Industries International								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
12-B-~~98~~ 04	~~Technical Manual 12-B~~ Standard Practice for the Testing and Inspection of Field Applied Thin Film Intumescent Fire-Resistive Materials; an Annotated Guide, ~~First~~ Second Edition	IBC							
AWPA	**American Wood Protection Association**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
M4~~—08~~ 11	Standard for the Care of Preservative-Treated Wood Products	IBC	IRC						
U1~~—11~~ 14	USE CATEGORY SYSTEM: User Specification for Treated Wood except Section 6, Commodity Specification H	IBC	IRC						
AWS	**American Welding Society**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
A5.8-~~04~~M/A5.8:2011	Specifications for Filler Metals for Brazing and Braze Welding	IRC	IMC	IPC					
D1.3-~~98~~/D1.3M:2008	Structural Welding Code-Sheet Steel	IBC							
D1.4-~~1998~~ /D1.4M:2011	Structural Welding Code - Reinforcing Steel Including Metal Inserts and Connections in Reinforced Concrete Construction	IBC							
AWWA	**American Water Works Association**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
C104-~~98~~/A21.4-08	~~Standard for~~ Cement-Mortar Lining for Ductile-Iron Pipe and Fittings for Water	IRC	IPC						
C110/A21.10-~~03~~ 12	~~Standard for~~ Ductile-Iron and Gray-Iron Fittings~~, 3 in through 48 Inches for Water~~	IRC	IPC	IMC					
C111-~~00~~/A21.11-12	~~Standard for~~ Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings	IPC	IFGC						
C115-A21.15-~~99~~ 11	~~Standard for~~ Flanged Ductile-Iron Pipe with Ductile-Iron or Gray-Iron Threaded Flanges	IRC	IPC	IMC					
C151/A21.51-~~02~~ 09	~~Standard for~~ Ductile-Iron Pipe, Centrifugally Cast for Water	IRC	IPC	IMC					
C153/A21.53-~~00~~ 11	~~Standard for~~ Ductile-Iron Compact Fittings for Water Service	IRC	IPC	IMC					
C510-~~00~~ 07	Double Check Valve Backflow Prevention Assembly	IRC	IPC						
C511-~~00~~ 07	Reduced-Pressure Principle Backflow Prevention Assembly	IRC	IPC						

C651-~~99~~ 05	Disinfecting Water Mains	IPC							
C652-~~02~~ 11	Disinfection of Water-Storage Facilities	IPC							

BHMA — Builders Hardware Manufacturers' Association

Standard Reference Number	Title	Referenced in Code(s):							
A 156.19-~~2007~~ 2013	Power Assist and Low Energy Power Operated Doors	IBC	IFC						

CDPH — California Department of Public Health

Standard Reference Number	Title	Referenced in Code(s):							
CDPH Section 01350	~~EHLB~~ Standard Method for the Testing and Evaluation of ~~VOC~~ Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1(2010)	IgCC							

CGA — Compressed Gas Association

Standard Reference Number	Title	Referenced in Code(s):							
C-7 (~~2004~~) (2011)	Guide to Preparation of Precautionary Labeling and Marking of Compressed Gas Containers	IFC							
ANSI/CGA P-18-2006	Standard for Bulk Inert Gas Systems ~~at Consumer Sites (an American National Standard)~~	IFC							
P-20 (~~2003~~) (2009)	Standard for Classification of Toxic Mixtures	IFC							
P-23 (~~2003~~) (2008)	Standard for Categorizing Gas Mixtures Containing Flammable and Nonflammable Components	IFC							
S-1.1 (~~2005~~) (2011)	Pressure Relief Device Standards - Part 1 - Cylinders for Compressed Gases	IFC	IFGC						
S-1.3 (~~2005~~) (2008)	Pressure Relief Device Standards - Part 3 - Stationary Storage Containers for Compressed Gases	IFC	IFGC						

CPA — Composite Panel Association

Standard Reference Number	Title	Referenced in Code(s):							
A135.4-~~2004~~ 2012	Basic Hardboard	IBC	IRC						
A135.5-~~2004~~ 2012	Prefinished Hardboard Paneling	IBC	IRC						
A135.6-~~2006~~ 2012	~~Hardboard~~ Engineered Wood Siding	IBC	IRC						
A208.1-~~99~~ 2009	Particleboard	IBC	IRC						

CRRC — Cool Roof Rating Council

Standard Reference Number	Title	Referenced in Code(s):							
CRRC-1-201~~0~~ 12	Cool Roof Rating Council Standard	IgCC							

CSA	~~Canadian Standards Association~~ CSA Group								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ASME A17.1/CSA B44—2013	Safety Code for Elevators and Escalators	IBC	IFC	IEBC	IRC	IPMC			
ASME A112.18.1-~~2005~~ 2012/ CSA B125.1-~~2005~~ 2012	Plumbing Supply Fittings	IPC	IRC						
ASME A112.18.2-~~2005~~ 2011/ CSA B125.2-~~2005~~ 2011	Plumbing Waste Fittings	IRC	IPC						
ASME A112.19.1 2013/ CSA B45.2-~~08~~ 13	Enameled Cast-Iron and Enameled Steel Plumbing Fixtures	IRC	IPC						
A112.19.2-~~2008~~ 2013/ CSA B45.1-~~08~~ 13	Ceramic Plumbing Fixtures	IPC	IRC						
ASME A112.19.3-2008/ CSA B45.4-08(R2013)	Stainless-Steel Plumbing Fixtures	IRC	IPC						
ASME A112.19.5-2011/ CSA/B45.15-~~09~~ 11	Flush Valves and Spuds ~~Trim~~ for Water Closets, Urinals ~~Bowls~~ and Tanks	IPC	IRC						
ASME A112.19.7-2012/ CSA B45.10-~~09~~ 2012	Hydromassage Bathtubs ~~Appliances~~ Systems	IPC	IRC						
ASME A112.3.4-2013/CSA B45.9-99(~~R2008~~) 13	Macerating Systems and Related Components	IRC	IPC						
ASSE 1016/ASME A112.1016/CSA B125.16-2011 is a replacement for ASSE 1016-2010	Performance Requirements for Automatic Compensating, Valves for Individual Showers and Tub/Shower Combinations	IPC	IRC	IgCC					
CSA B45.5-~~02 (R2008)~~ 11/ IAPMO Z124-2011	Plastic Plumbing Fixtures	IRC	IPC						
B64.1.1-~~01~~ 11	Vacuum Breakers, Atmospheric Type (AVB)	IRC	IPC						
B64.1.2-~~07~~ 11	Pressure Vacuum Breakers (PVB)	IRC	IPC						
B64.1.3-~~07~~ 11	Spill Resistant Pressure Vacuum Breakers (SRPVB)	IPC	IRC						
B64.2-~~01~~ 11	Vacuum Breakers, Hose Connection Type (HCVP)	IRC	IPC						
B64.2.1-~~07~~ 11	Vacuum Breakers, Hose Connection (HCVB) with Manual Draining Feature	IRC	IPC						
B64.2.1.1-~~07~~ 11	Hose Connection Dual Check Vacuum Breakers (HCDVB)	IRC	IPC						
B64.2.2-~~01~~ 11	Vacuum Breakers, Hose Connection Type (HCVP) with Automatic Draining Feature	IRC	IPC						
B64.3-~~07~~ 11	Dual Check Valve Backflow Preventers Atmospheric Port (DCAP)	IRC	IPC						
B64.4-~~07~~ 11	Reduced Pressure Principle Backflow Preventers (RP)	IRC	IPC						
B64.4.1-~~07~~ 11	Reduced Pressure Principle for Fire Systems (RPF)	IRC	IPC						
B64.5-~~07~~ 11	Double Check Backflow Preventers (DCVA)	IRC	IPC						
B64.5.1-~~07~~ 11	Double Check Valve Backflow Preventers for Fire Systems (DCVAF)	IRC	IPC						
B64.6-~~07~~ 11	Dual Backflow Preventers Check Valve (DuC)	IPC	IRC						
B64.7-~~07~~ 11	Laboratory Faucet Vacuum Breakers (LFVB)	IRC	IPC						
B64.10.1-~~07~~ 11	~~Manual for the Selection, Installation,~~ Maintenance and Field Testing of Backflow Preventers ~~ion Devices~~	IPC							

B79-08 (R2013)	Commercial and Residential Drains, and Cleanouts	IPC							
CSA B125.3-2005 12	Plumbing Fittings	IRC	IPC						
B137.1-05 13	Polyethylene (PE) Pipe , Tubing and Fittings for Cold Water Pressure Services	IRC	IPC						
B137.2-05 13	Polyvinylchloride PVC Injection-Moulded Gasketed Fittings for Pressure Applications	IRC	IPC	ISPSC					
B137.3-05 13	Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications	IRC	IPC	IPSDC					
B137.5-05 13	Cross-Linked Polyethylene (PEX) Tubing Systems for Pressure Applications	IRC	IPC						
B137.6-05 13	Chlorinated Polyvinylchloride CPVC Pipe, Tubing and Fittings for Hot and Cold Water Distribution Systems	IRC	IPC	ISPSC					
B137.9-02 13	Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure-Pipe Systems	IRC	IPC	IMC					
B137.10M-05 13	Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Composite Pressure-Pipe Systems	IRC	IPC	IMC					
B137.11-05 13	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications	IRC	IPC						
B181.1-06 11	Acrylonitrile-butadiene-stryrene (ABS) Drain, Waste, and Vent Pipe and Pipe Fittings	IRC	IPC	IPSDC					
B181.2-06 11	Polyvinylchloride PVC Drain, and chlorinated polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings	IRC	IPC	IPSDC					
B181.3-06 11	Polyolefin and polyvinylidene fluoride (PVDF) Laboratory Drainage Systems	IRC	IPC						
B182.1- 06 11	Plastic drain and sewer pipe and pipe fittings	IPC	IPSDC						
B182.2-06 11	PSM type polyvinylchloride (PVC) sewer pipe and fittings	IRC	IPC	IPSDC					
B182.4-06 11	Profile polyvinylchloride PVC Sewer Pipe and Fittings	IRC	IPC	IPSDC					
B182.6-06 11	Profile Polyethylene (PE) Sewer Pipe and Fittings for leak proof sewer applications	IRC	IPC						
B182.8-06 11	Profile Polyethylene (PE) Storm Sewer and Drainage Pipe and Fittings	IRC	IPC						
B356-00(2005) 10	Water Pressure Reducing Valves for Domestic Water Supply Systems	IPC	IRC						
B481.1-07 12	Testing and Rating of Grease Interceptors Using Lard	IPC							
B602-05 10	Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe	IRC	IPC	IPSDC					
CAN/CSA A257.1M-92 2009	Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings	IRC	IPC	IPSDC					
CAN/CSA A257.2M-92 2009	Reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe and Fittings	IRC	IPC	IPSDC					
CAN/CSA A257.3M-92 2009	Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections, and Fittings Using Rubber Gaskets	IRC	IPC	IPSDC					
B137.11-05 13	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications	IRC	IPC						

B45.3-02 (R2008)	Porcelain Enameled Steel Plumbing Fixtures	IRC	IPC						
0437-Series-93 (R2006)	Standards on OSB and Waferboard (Reaffirmed 2001)	IRC							
ANSI CSA America FC 1-2003 2012 to be relocated under ANSI	Stationary Fuel Cell Power Systems	IFGC	IMC	IRC					
CAN/CSA B366.1-2009 2011	Solid-Fuel-Fired Central Heating Appliances	IgCC							
B483.1-07 14	Drinking Water Treatment Systems	IRC	IPC						
CSA C22.2 No. 218.1-M89(R2006 2011)	Spas, Hot Tubs and Associated Equipment	ISPSC							
C22.2 No. 236 05 -11 (R2009) M89(R2006)	Heating and Cooling Equipment (binational standard with UL 1995)	ISPSC							
C22.2 No. 108-01 (R2010)	Liquid Pump	ISPSC							

CTI — Cooling Technology Institute

Standard Reference Number	Title	Referenced in Code(s):								
STD-201 (2009 11)	Standard for Certification of Water Cooling Tower Thermal Performance	IECC								

DASMA — Door and Access Systems Manufacturers

Standard Reference Number	Title	Referenced in Code(s):								
105-92(R2004) -13	Test Method for Thermal Transmitance and Air Infiltration of Garage Doors	IECC								
107-97 (R2004 2012)	Room Fire Test Standard for Garage Doors Using Foam Plastic Insulation	IBC								
108-05 12	Standard Method for Testing Sectional Garage Doors and Rolling Doors: Determination of Structural Performance Under Uniform Static Air Pressure Difference	IBC	IRC							
115-05 12	Standard Method for Testing Sectional Garage Doors and Rolling Doors: Determination of Structural Performance Under Missile Impact and Cyclic Wind Pressure	IBC	IRC							

FEMA — Federal Emergency Management Agency

Standard Reference Number	Title	Referenced in Code(s):							
FEMA P646-08 12	Guidelines for Design of Structures for Vertical Evacuation from Tsunamis	IBC							
FEMA- FA/ TB-2-08	Flood-D damage Resistant Materials Requirements	IRC							
FIA-TB-11—01 FEMA-TB 11—01	Crawlspace Construction for Buildings Located in Special Flood Hazard Area	IBC	IRC						

FM	FM Global									
Standard Reference Number	**Title**	**Referenced in Code(s):**								
FM 4470 ~~2009~~ 2013	Approval Standard for Single-Ply Polymer-Modified Bitumen Sheet, Built-Up Roof (BUR) and Liquid Applied Roof Assemblies for use in Class 1 and Noncombustible Roof Deck Construction ~~Covers~~.	IBC								
4474-~~04~~ 11	American National Standard for Evaluating ~~the Simulated Wind Uplift Resistance of~~ Roof/Ceiling Assemblies, ~~-~~Plastic Interior Finish Materials, Plastic Exterior Building Panels, Wall/Ceiling Coating Systems, Interior or Exterior Finish Systems ~~Using Static Positive and/or Negative Differential Pressures~~	IBC								
4880 ~~(2005)~~ 2010	Approval Standard for Class 1 Rating of ~~Evaluating~~ Insulated Wall or Wall and Roof/Ceiling Panels, ~~Assemblies, Plastic~~ Interior Finish Materials, ~~Plastic Exterior Building, Wall/Ceiling~~ or Coatings ~~Systems, Interior or~~ and Exterior Finish Systems	IBC	IRC							

GA	Gypsum Association									
Standard Reference Number	**Title**	**Referenced in Code(s):**								
GA 216-~~07~~ 13	Application and Finishing of Gypsum Panel Products	IBC								
GA-253-~~07~~ 12	~~Recommended Standard Specification for the~~ Application of Gypsum Sheathing	IRC								
GA-600-~~09~~ 12	Fire- Resistance Design Manual, ~~18th~~ 20th Edition	IBC								

HPVA	Hardwood Plywood and Veneer Association									
Standard Reference Number	**Title**	**Referenced in Code(s):**								
HP-1-~~2009~~ 2013	Standard for Hardwood and Decorative Plywood	IBC	IRC	IgCC						

IAPMO	International Association of Plumbing and Mechanical Officials									
Standard Reference Number	**Title**	**Referenced in Code(s):**								
CSA B45.5-11/ IAPMO Z124-2011 replaces ANSI Z124.1, 1.2, 2, 3, 4, 6, 9	Plastic Plumbing Fixtures	IRC	IPC							
IAPMO Z124.7-2012 replaces ANSI Z124.7-97	Prefabricated Plastic Spa Shells	ISPSC								

ICC	International Code Council								
Standard Reference Number	Title	Referenced in Code(s):							
ICC A117.1-09 14	Accessible and Usable Buildings and Facilities	IBC	IFC	IZC	IEBC	IRC			
IBC-~~12~~ 15	International Building Code	IRC	IFC	IMC	IPC	IPSDC	IFGC	IECC	IEBC IWUIC
IECC-~~12~~ 15	International Energy Conservation Code	IBC	IRC	IMC	IPC	IFGC	IgCC	ISPSC	
IEBC-~~12~~ 15	International Existing Building Code	IBC	IMC	IPMC	IgCC				
IFC-~~12~~ 15	International Fire Code	IBC	IRC	IMC	IPC	IFGC	IECC	IEBC	IPMC
IFGC-~~12~~ 15	International Fuel Gas Code	IBC	IRC	IFC	IMC	IPC	IECC	IEBC	IPMC
IMC-~~12~~ 15	International Mechanical Code	IBC	IRC	IFC	IPC	IFGC	IECC	IEBC	IPMC
ICCPC-~~12~~ 15	International Performance Code	IgCC							
IPC-~~12~~ 15	International Plumbing Code	IBC	IRC	IFC	IMC	IPSDC	IFGC	IEBC	IPMC
IPSDC-~~12~~ 15	International Private Sewage Disposal Code	IBC	IPC	IRC					
IPMC-~~12~~ 15	International Property Maintenance Code	IBC	IRC	IFC	IEBC				
IRC-~~12~~ 15	International Residential Code	IBC	IFC	IMC	IFGC	IEBC	IPC	IPMC	IgCC
IWUIC-~~12~~ 15	International Wildland-Urban Interface Code	IBC	IFC						
IZC-~~12~~ 15	International Zoning Code	IBC	IMC						
ICC 500-~~08~~ 14	ICC/NSSA Standard on the Design and Construction of Storm Shelters	IBC	IRC						
ICC 600-~~08~~ 14	Standard for Residential Construction In High Wind Regions	IBC	IRC						
ICC 700-~~2008~~ 12	National Green Building Standard	IgCC							
IgCC-~~12~~ 15	International Green Construction Code	IBC	ICCPC	IEBC	IECC	IFC	IFGC	IMC	IPC
IES	**Illuminating Engineering Society**								
Standard Reference Number	Title	Referenced in Code(s):							
TM-15-~~07~~ 11	Luminaire Classification System for Outdoor Luminaires	IgCC							
IIAR	**International Institute of Ammonia Refrigeration**								
Standard Reference Number	Title	Referenced in Code(s):							
2-~~99~~ 2014 ~~(Addendum A-2005)~~	~~Addendum A to~~ Equipment, Design, and Installation of Ammonia Mechanical Refrigerating Systems	IMC							
ISEA	**International Safety Equipment Association**								

Standard Reference Number	Title	Referenced in Code(s):							
ANSI/ISEA Z358.1-~~98~~ 2009	Emergency Eyewash and Shower Equipment	IPC							

MSS — Manufacturers Standardization Society of the Valve and Fittings Industry

Standard Reference Number	Title	Referenced in Code(s):							
MSS SP-6-~~01~~ 2012	Standard Finishes for Contact Faces of Pipe Flanges and Connecting-End Flanges of Valves and Fittings	IFGC							
ANSI MSS SP-58 ~~1993~~ 2009	Pipe Hangers and Supports –Materials, Design, Manufacture, Selection, Application, and Installation	IRC	IFGC						
~~SP-69-2002~~ ANSI/MSS SP-58-2009	Pipe Hangers and Supports – Materials, Design, Manufacture, Selection ~~and~~, Application , and Installation (*SP69 will be withdrawn in 2014 and ANSI MSS SP-58-2009 replaces it*)	IMC							

NFPA — National Fire Protection Association

Standard Reference Number	Title	Referenced in Code(s):							
10-~~10~~ 13	Standard for Portable Fire Extinguishers	IFC	IBC						
13-~~10~~ 13	Standard for the Installation of Sprinkler Systems	IFC	IBC						
13D-~~10~~ 13	Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes	IFC	IRC	IBC					
13R- ~~10~~ 13	Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies ~~Up to and Including Four Stories in Height~~	IFC	IBC	IEBC					
14-~~10~~ 13	Standard for the Installation of Standpipe, ~~Private Hydrants~~ and Hose Systems	IFC	IBC						
15-12	Standard for the Water Spray Fixed Systems for Fire Protection	IFC							
16-11	Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems	IFC	IBC						
17-~~09~~ 13	Standard for Dry Chemical Extinguishing Systems	IFC	IBC						

17A-~~09~~ 13	Standard for Wet Chemical Extinguishing Systems	IFC	IBC						
20- ~~10~~ 13	Standard for the Installation of Stationary Pumps for Fire Protection	IFC	IBC						
22-~~08~~ 13	Standard for the Water Tanks for Private Fire Protection	IFC							
24- ~~10~~ 13	Standard for the Installation of Private Fire Service Mains and Their Appurtenances	IFC							
25-~~11~~ 13	Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems	IFC	IPMC						
30A-~~12~~ 15	Code for Motor Fuel Dispensing Facilities and Repair Garages	IFC	IMC	IFGC					
30B-~~12~~ 15	Code for the Manufacture and Storage of Aerosol Products	IFC							
31-~~11~~ 15	Standard for the Installation of Oil-Burning Equipment	IFC	IRC	IMC	IBC				
32-~~11~~ 15	Drycleaning Plants	IFC	IBC						
33-~~11~~ 15	Standard for Spray Application Using Flammable or Combustible Materials	IFC							
34-~~11~~ 15	Standard for Dipping and Coating Processes Using Flammable or Combustible Liquids	IFC							
35-~~11~~ 15	Standard for Manufacture of Organic Coatings	IFC							
37-~~10~~ 14	Installation and Use of Stationary Combustion Engines and Gas Turbines	IMC	IFGC						
40-~~11~~ 15	Standard for the Storage and Handling of Cellulose Nitrate Film	IFC	IBC						
45-~~11~~ 15	Standard on Fire Protection for Laboratories Using Chemicals	IMC							
~~50-01~~ replaced with 55-13 that incorporates NFPA 50	~~Bulk Oxygen Systems at Consumer Sites~~ Compressed Gases and Cryogenic Fluids Code	IPC							
51- ~~07~~13	Standard for the Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes	IFC	IPC	IFGC					
51A-12	Standard for Acetylene Cylinder Charging Plants	IFC							

52-~~10~~ 13	Vehicular Fuel Gaseous System Code	IFC							
55–~~10~~ 13	~~Standard for the Storage, Use and Handling of~~ Compressed Gases and Cryogenic Fluids Code ~~in Portable and Stationery Containers Cylinders and Tanks~~	IFC							
58-~~11~~ 13	Liquefied Petroleum Gas Code	IFC	IBC	IRC	IMC	IFGC			
59A ~~10~~ 13	Standard for the Production, Storage and Handling of Liquefied Natural Gas (LNG)	IFC							
61- ~~08~~ 13	Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities	IFC	IBC						
69-~~08~~ 14	Standard on Explosion Prevention Systems	IFC	IMC						
72- ~~10~~ 13	National Fire Alarm and Signaling Code	IFC	IBC	IRC	IMC	IEBC	IgCC	IWUIC	
80- ~~10~~ 13	Standard for Fire Doors and Other Opening Protectives	IFC	IBC						
82-~~09~~ 14	Standard on Incinerators, Waste and Linen Handling Systems and Equipment~~, 2009 Edition~~	IMC	IFGC	IBC	IRC				
85-11	Boiler and ~~Construction~~ Combustion Systems Hazards Code	IFC	IBC	IRC	IFGC				
86-~~11~~ 15	Standard for Ovens and Furnaces	IFC							
88A-~~11~~ 15	Standard for Parking Structures	IFGC							
91-~~10~~ 15	Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids	IMC							
92B—~~09~~ 12	Smoke Control ~~Management~~ Systems ~~in Malls, Atria, and Large Spaces~~	IFC	IBC	IMC					
96-~~11~~ 13	Standard for Ventilation Control and Fire Protection of Commercial Cooking Operation	IMC							
99-~~12~~ 15	Health Care Facilities Code	IBC	IFC	IEBC	IBC				
101-~~12~~ 15	Life Safety Code	IBC	IFC	IEBC					
105-~~10~~ 15	~~Installation~~ Standard ~~of~~ for Smoke Door Assemblies and Other Opening Protectives	IBC	IFC						

110-~~10~~ 15	Standard for Emergency and Standby Power Systems	IFC	IBC	IECC					
111-~~10~~ 15	Standard on Stored Electrical Energy Emergency and Standby Power Systems	IFC	IECC	IBC					
120-~~10~~ 15	Standard for Fire Prevention and Control in Coal Mines	IFC	IBC						
160-~~11~~ 15	Standard for the Use of Flame Effects Before an Audience	IFC							
170-~~09~~ 15	Standard for Fire Safety and Emergency Symbols	IFC	IBC						
204-~~07~~ 15	Standard for Smoke and Heat Venting	IFC							
211-~~10~~ 13	Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances	IFC	IBC	IRC	IMC	IFGC			
221-~~09~~ 15	Standard for High Challenge Fire Walls, Fire Walls and Fire Barrier Walls~~, 2009 Edition~~	IBC							
241-~~09~~ 13	Standard for Safeguarding Construction, Alteration, and Demolition Operations	IFC							
253-~~11~~ 15	Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source	IBC	IFC						
259-~~08~~ 13	Standard Test Method for Potential Heat of Building Materials	IBC	IRC						
260-~~09~~ 13	Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture	IFC							
261-~~09~~ 13	Standard Method of Test for Determining Resistance of Mock-Up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes	IFC							
262-~~11~~ 15	Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces	IMC							
274-~~09~~ 13	Standard Test Method to Evaluate Fire Performance Characteristics of Pipe Insulation	IMC							

275-~~10~~ 13	Standard Method of Fire Tests for the Evaluation of Thermal Barriers ~~Used Over Foam Plastic Insulation~~	IBC	IRC						
285-11	Standard Fire Test Method ~~of~~ for the Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components	IBC							
286-~~11~~ 15	Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth	IFC	IBC	IRC					
288-12	Standard Methods of Fire Tests of ~~Floor~~ Horizontal Fire Door Assemblies Installed in Horizontal~~ly~~ Fire-Resistance-Rated Floor Systems	IBC							
289-~~09~~ 13	Standard Method of Fire Test for Individual Fuel Packages	IFC	IBC						
318-~~09~~ 15	Standard for the Protection of Semiconductor Fabrication Facilities	IFC							
385- ~~07~~ 12	Standard for Tank Vehicles for Flammable and Combustible Liquids	IFC							
407-12	Standard for Aircraft Fuel Servicing	IFC							
409-~~11~~ 15	Aircraft Hangers	IFC	IBC	IFGC					
~~430-04~~ 400-13	~~Storage of Liquid and Solid Oxidizers~~ Hazardous Material Code	IFC							
484-~~12~~ 15	Standard for Combustible Metals	IFC	IBC						
~~490-10~~ 400-13	Storage of Ammonium Nitrate Hazardous Material Code	IFC							
495-~~10~~ 13	Explosive Materials Code	IFC							
498-~~10~~ 13	Standard for Safe Havens and Interchange Lots for Vehicles Transporting Explosives	IFC							
501-~~10~~ 13	Standard on Manufactured Housing	IRC							
505-~~11~~ 13	Fire Safety Standard Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations	IFC							

654-~~06~~ 13	Standard for Prevention of Fire & Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids	IBC	IFC						
655-12	Standard for the Prevention of Sulfur Fires and Explosions	IBC	IFC						
664-12	Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities	IBC	IFC						
701-10	Standard Method~~s~~ of Fire Tests for Flame-Propagation of Textiles and Films	IFC	IBC						
703-~~12~~ 15	Standard for Fire Retardant Treated Wood and Fire Retardant Coatings for Building Materials	IFC							
704-12	Standard System for the Identification of the Hazards of Materials for Emergency Response	IFC	IMC	IBC					
720-~~09~~ 15	Standard for the Installation of Carbon Monoxide (CO) Warning Equipment Dwelling Units	IFC	IBC	IRC					
750-~~10~~ 13	Standard on Water Mist Fire Protection Systems	IFC	IMC	IFGC					
853-~~10~~ 15	Installation of Stationary Fuel Cell Power Systems	IRC							
1122- ~~08~~ 13	Code for Model Rocketry	IFC							
1123-~~10~~ 13	Code for Fireworks Display	IFC							
1124- ~~08~~ 13	Code for the Manufacture~~e~~ing, Transportation, Storage and Retail Sales of Fireworks and Pyrotechnic Articles	IFC	IBC						
1125-12	Code for the Manufacture of Model Rocket and High Power Rocket Motors	IFC							
1126-~~11~~ 15	Standard for the Use of Pyrotechnics Before a Proximate Audience	IFC							
1127- ~~08~~ 13	Code for High Power Rocketry	IFC							
1142-12	Standard on Water Supply for Suburban and Rural Fire Fighting	IFC							
2001-12	Standard on Clean Agent Fire Extinguishing Systems	IFC	IBC						

NSF	NSF International									
Standard Reference Number	**Title**	**Referenced in Code(s):**								
3~~—2008~~ 2010	Commercial Warewashing Equipment	IPC	IgCC							
14-~~2008e~~ 2011	Plastics Piping System Components and Related Materials	IRC	IPC	ISPSC						
18-~~2007~~ 2012	Manual Food and Beverage Dispensing Equipment	IPC								
40-~~2000~~ 2012	Residential Wastewater Treatment Systems	IPSDC								
41-~~1999~~ 2011	Nonliquid Saturated Treatment Systems ~~(Composing Toilets)~~	IPSDC								
42-~~2007ae~~ 2011	Drinking Water Treatment Units - Aesthetic Effects	IRC	IPC							
44-~~2007~~ 2012	Residential Cation Exchange Water Softeners	IRC	IPC	IgCC						
50-~~2009~~ 2012	Equipment for Swimming Pools, Spas, Hot Tubs, and other Recreational Water Facilities	IgCC	ISPSC							
53-~~2007a~~ 2011a	Drinking Water Treatment Units - Health Effects	IRC	IPC							
58-~~2007~~ 2012	Reverse Osmosis Drinking Water Treatment Systems	IRC	IPC	IgCC						
61-~~2008~~ 2012	Drinking Water System Components - Health Effects	IRC	IPC	IgCC						
62-~~2007~~ 2012	Drinking Water Distillation Systems	IPC								
350-2011	Onsite Residential and Commercial Water Reuse Treatment Systems	IgCC								
PCA	**Portland Cement Association**									
Standard Reference Number	**Title**	**Referenced in Code(s):**								
100-~~07~~ 12	Prescriptive Design of Exterior Concrete Walls for One and Two-Family Dwellings (Pub. No. EB241)	IRC								
PCI	**Prestressed Concrete Institute**									
Standard Reference Number	**Title**	**Referenced in Code(s):**								
MNL 124-~~89~~ 11	Design for Fire Resistance of Precast Prestressed Concrete	IBC								

PDI	Plumbing and Draining Institute								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
PDI G101 ~~(2003)~~ 2012	Testing and Rating Procedure for Grease Interceptors with Appendix of Sizing and Installation Data	IPC							
PTI	**Post-Tensioning Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
PTI DC ~~2007~~ 10.5-12	Standard Requirements for Design and Analysis of Shallow Post-tensioned Concrete Foundation on Expansive Soils~~, Second Edition~~	IBC							
~~PTI DC 2007 10.5-12~~	~~Standard Requirements for Design and Analysis of Shallow Post-Tensioned Concrete Foundations on Expansive Soils, Third Edition~~	~~IBC~~							
RMI	**Rack Manufacturers Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/MH16.1~~—08~~ 12	Specification for Design, Testing and Utilization of Industrial Steel Storage Racks	IBC							
SBCA	**Structural Building Components Association**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
BCSI-~~2008~~ 2013	Building Component Safety Information Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses	IRC							
CFS-BCSI-2008	Cold Formed Steel Building Component Safety Information (CFSBCSI) Guide to Good Practice for Handling, Installing & Bracing of Cold-formed Steel Trusses	IRC							
SMACNA	**Sheet Metal & Air Conditioning Contractors National Assoc. Inc.**								

Standard Reference Number	Title	Referenced in Code(s):							
SMACNA-~~85~~ 2012	HVAC Air Duct Leakage Test Manual 2nd Edition	IECC-C	IgCC						
SMACNA-~~/ANSI 2005~~ 2015	HVAC Duct Construction Standards - Metal and Flexible 4th Edition (ANSI)	IMC							
SPRI	**Single-Ply Roofing Institute**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
ANSI/SPRI RP-4-~~08~~ 13	Wind Design Guide for Ballasted Single-ply Roofing Systems	IBC							
ANSI/SPRI/FM4435-ES-1-~~03~~ 11	Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems	IBC							
TIA	**Telecommunications Industry Association**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
222-G-2005	Structural Standards for Antenna Supporting Structures and Antennas, including - Addendum 1, 222-G-1 dated 2007, ~~and~~ Addendum 2, 222-G-2 Dated 2009, Addendum 3, 222-3 dated 2013, and Addendum 4, 222-G-4 dated 2014	IBC							
TMS	**The Masonry Society**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
216-~~97~~ 2013	Standard Method for Determining Fire Resistance of Concrete and Masonry Construction Assemblies	IBC							
302-~~07~~ 2012	Standard Method for Determining the Sound Transmission ~~Class~~ Rating for Masonry Walls	IBC	IRC	IgCC					
402-~~11~~ 2013	Building Code for Masonry Structures	IBC	IRC						
403-~~10~~ 2013	Direct Design Handbook for Masonry Structures	IBC	IRC						
602-~~11~~ 2013	Specification for Masonry Structures	IBC	IRC						
TPI	**Truss Plate Institute**								

Standard Reference Number	Title	Referenced in Code(s):							
TPI 1-2007 2012	National Design Standards for Metal Plate Connected Wood Truss Construction	IBC	IRC						
UL	**Underwriters Laboratories**								
Standard Reference Number	**Title**	**Referenced in Code(s):**							
9−2009	Fire Tests of Window Assemblies~~,~~ ~~with Revisions through April 2005~~	IBC							
14B-2008	Sliding Hardware for Standard Horizontally Mounted Tin Clad Fire Doors ~~- with Revisions through July 2000~~	IBC							
14C-2006	Swinging Hardware for Standard Tin Clad Fire Doors Mounted Singly and in Pairs, with revisions through December 2008	IBC							
17-2008	Vent or Chimney Connector Dampers for Oil-Fired Appliances, with Revisions through January 2010	IRC	IMC						
80-2007	Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids with Revisions through August 2009	IRC	IFC						
103-~~2001~~ 2010	Factory-Built Chimneys, for Residential Type and Building Heating Appliances with Revisions through July 2012	IBC	IMC	IFGC	IRC				
127-~~08~~ 2011	Factory-Built Fireplaces ~~- with Revisions through January 2010~~	IBC	IRC	IMC					
142-06	Steel Aboveground Tanks for Flammable and Combustible Liquids with Revisions through February 2010	IFC							
174-04	Household Electric Storage Tank Water Heaters - with Revisions through ~~May 2006~~ September 2012	IRC	IMC						

180-~~03~~ 2012	Liquid-level Indicating Guarges for Oil Burner Fuels~~-with revision through March 2007~~ and Other Combustible Liquids	IRC	IMC						
197-~~2003~~ 2010	Commercial Electric Cooking Appliances - with revisions through ~~March 2006~~ June 2011	IMC							
217–2006	Single and Multiple Stations Smoke Alarms - with revisions through April ~~2010~~ 2012	IBC	IRC	IFC					
263-~~03~~ 2011	Standard for Fire Test of Building Construction and Materials ~~with revisions through October 2007~~	IBC	IRC	IWUIC	IMC				
294-1999	Access Control Systems Units with Revisions through September 2010	IBC	IFC						
300-2005 (R2010)	Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Equipment with Revisions through July 16, 2010	IBC	IFC						
305-~~97~~ 2012	Panic Hardware	IBC	IFC						
325-2002	Door, Drapery, Gate, Louver and Window Operators and Systems - with Revisions through ~~February 2010~~ January 2012	IBC	IFC	IRC					
372-2007	Automatic Electrical Controls for Household and Similar Use - Part 2: Particular Requirements for Burner Ignition Systems and Components with revisions through July ~~25, 2011~~ 2012	ISPSC							
378-06	Draft Equipment, with Revisions through January 2010	IRC	IMC						
391-~~2006~~ 2010	Solid-Fuel and Combination-Fuel Central and Supplementary Furnaces	IMC							
412-~~2004~~ 2011	Refrigeration Unit Coolers - with Revisions through ~~January 2009~~ August 2012	IMC							
499-05	Electric Heating Appliances-with revisions through ~~January 2009~~	IMC							

	April 2012								
555–2006	Fire Dampers-with revisions through May ~~2010~~ 2012	IBC	IMC						
555S–1999	Smoke Dampers - with Revisions through May ~~2010~~ 2012	IBC	IMC						
641–~~1995~~ 2010	Type L Low-Temperature Venting Systems ~~-~~ ~~with Revisions through July 2009~~	IBC	IRC	IMC	IFGC				
651–~~05~~ 2011	Schedule 40 and Schedule 80 Rigid PVC Conduit and Fittings with revisions through March ~~2010~~ 2012	IFGC	IRC						
705-2004 Revision 5	Standard for Power Ventilators ~~with revisions through March 2012~~	IMC							
710B-~~2004~~ 2011	Recirculating Systems ~~with Revisions through December 2009~~	IBC	IFC	IMC					
723—08	Standard for Test for Surface Burning Characteristics of Building Materials with Revisions through September 2010	IBC	IFC	IWUIC	IRC				
726-1995	Oil-Fired Boiler Assemblies - with Revisions through April ~~2010~~ 2011	IRC	IMC	IECC					
729-03	Oil-Fired Floor Furnaces with revisions through ~~April 2010~~ August 2012	IRC	IMC						
730-03	Oil-Fired Wall Furnaces ~~with revisions through April 2010~~ August 2012	IRC	IMC						
731-1995	Oil-Fired Unit Heaters with Revisions through ~~April 2010~~ August 2012	IMC	IECC-C						
737-~~07~~ 2011	Fireplaces Stoves~~-~~ ~~with Revisions through January 2010~~	IRC	IMC						
793-08	Automatically Operated Roof Vents For Smoke and Heat with Revisions through September 2011	IBC	IFC						
795-~~2006~~ 2011	Commercial-Industrial Gas Heating Equipment with revisions through ~~April 2010~~ September 2012	IRC	IFGC						

842-07	Valves for Flammable Fluids, with Revisions through April 2011	IRC	IMC						
858-05	Household Electric Ranges - with Revisions through ~~May 2010~~ April 2012	IMC	IRC						
864-03	Standard for Control Units and Accessories for Fire Alarm Systems-with Revisions through ~~February 2010~~ August 2012	IBC	IFC						
867-~~00~~ 2011	Electrostatic Air Cleaners~~-with Revisions through February 2010~~	IMC							
873-2007	Temperature-Indicating and -Regulating Equipment, with revisions through July ~~25, 2011~~ 2012	ISPSC							
875-09	Electric Day Bath Heaters with revisions through ~~October 2009~~ November 2011	IMC	IRC						
896-1993	Oil-Burning Stoves - with Revisions through May 2010 August 2012	IRC	IMC						
900-04	Air Filter Units- with revisions through ~~November 2009~~ February 2012	IFC	IMC						
907-~~94~~ 2010	Fireplace Accessories - with revisions through ~~July 2006~~ April 2010	IMC							
924-06	Emergency Lighting and Power Equipment with revisions through ~~January 2009~~ February 2011	IBC	IFC						
959-~~2001~~ 2010	Medium Heat Appliance Factory-Built Chimneys - ~~with Revisions through June 2010~~	IRC	IMC	IFGC					
1004-1-~~08~~ 2012	Standard for Rotating Electrical Machines General Requirements with revisions through June 23, 2011	ISPSC							
1026-~~07~~ 2012	Electric Household Cooking and Food Services Appliances	IRC							
1037-99	Antitheft Alarms and Devices with Revisions through December 2009	IFC							
1040-1996	Fire Test of Insulated Wall Construction - with Revisions through September 2007	IBC	IRC						

	October 2012								
1042-~~94~~ 2009	Electric Baseboard Heating Equipment- with revisions through ~~February 2008~~ June 2010	IRC							
1046-~~00~~ 2010	Grease Filters for Exhaust Ducts with revisions through January 2012	IMC							
1081-2008	Standard for Swimming Pool Pumps, Filters and Chlorinators, with revisions through ~~March 31, 2010~~ November 2011	ISPSC							
1240-2005	Electric Commercial Clothes-Drying Equipment - with Revisions through ~~October 2009~~ February 2011	IMC							
1261-2001	Electric Water Heaters for Pools and Tubs - with Revisions through ~~June 16, 2010~~ July 2012	IRC	IMC	ISPSC					
1275-2005	Flammable Liquid Storage Cabinets with Revisions through ~~May 2006~~ February 2010	IFC							
1315-95	Standard for Safety for Metal Waste Paper containers- with Revisions through ~~August 2007~~ September 2012	IFC							
1363-2007	Relocatable Power Taps - with revisions through ~~October 2009~~ September 2012	IFC							
1453-04	Electric Booster and Commercial Storage Tank Water Heaters - with Revisions through December 2009 July 2011	IRC	IMC						
1482-~~10~~ 2011	Solid-Fuel Type Room Heaters	IBC	IRC	IMC	IgCC				
1563-2009	Standard for Electric Hot Tubs, Spas and Association Equipment with revisions through ~~March 31, 2010~~ July 2012	ISPSC							
1673-~~96~~ 2010	Electric Space Heating Cables-with revision through ~~July 2003~~ October 2011	IRC							

1693-~~02~~ 2010	Electric Radiant Heating Panels and Heating Panel Sets, with Revisions through October 2011	IRC							
1703-02	Flat-plate Photovoltaic Modules and Panels - with revisions through ~~April 2008~~ May 2012	IBC							
1738-~~06~~ 2010	Venting Systems for Gas-Burning Appliances, Categories II, III and IV, with Revisions though May 2011	IRC	IFGC						
1741-~~99~~ 2010	Inverters, Converters, Controllers and Interconnection System Equipment with Distributed Energy Resources~~- with revisions through November 2005~~	IRC							
1815-~~09~~ 2012	Standard for Nonducted Heat Recovery Ventilators	IMC							
1897-~~2004~~ 2012	Uplift Tests for Roof Covering Systems ~~with revisions through May 2008~~	IBC							
1978-~~05~~ 2010	Grease Ducts	IMC							
1994-04	Luminous Egress Path Marking Systems with Revisions through ~~April 2010~~ November 2010	IBC	IFC						
1995-~~2005~~ 2011	Heating and Cooling Equipment~~, with revisions through July 2009~~	IRC	IMC	ISPSC					
1996-~~04~~ 2009	Electric Duct Heaters-with revisions through ~~July 2009~~ November 2011	IRC	IMC						
2017-2008	Standards for General-Purpose Signaling Devices and Systems-with Revisions through ~~October 2009~~ May 2011	IBC	IRC						
2024-~~2008~~ 2011	Standard for Safety Optical-Fiber and Communications Cable Raceway ,with Revisions through April 2011	IMC							

2158-1997	For Electric Clothes Dryers - with Revisions through March 2009	IMC							
2158A-~~2006~~ 2010	Outline of Investigation for Clothes Dryer Transition Duct	IRC	IMC						
2200-~~98~~ 2012	Stationary Engine Generator Assemblies ~~with Revisions through December 2009~~	IBC	IFC	IMC	IFGC				
2208-~~2005~~ 2010	Solvent Distillation Units - with Revisions through ~~December 2009~~ March 2011	IFC							
2221-~~2001~~ 2010	Tests of Fire Resistive Grease Duct Enclosure Assemblies	IMC							
2335-~~01~~ 2010	Fire Tests of Storage Pallets-with Revisions through ~~March 2010~~ September 2012	IFC							
2518-~~02~~ 2005	Air Dispersion System Materials	IMC							
2523-09	Standard for Solid Fuel-Fired Hydronic Heating Appliances, Water Heaters, and Boilers, with Revisions through October 2011	IRC	IgCC	IMC					

ULC/CAN — Underwriters Laboratories Canada

Standard Reference Number	Title	Referenced in Code(s):							
CAN/ULC S102.2-~~1988~~ 2010	Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies ~~- with 2000 Revisions~~	IBC	IRC						

Reason: *The CP 28 Code Development Policy, Section 4.5.1 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 2012, 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. Above is the list of the referenced standards that are to be updated based upon responses from standards developer.*

Public Hearing: Committee: AS AM D
Assembly: ASF AMF DF

Errata to this proposal are contained in the Updates to the 2013 Proposed Changes posted on the ICC website. Please go to http://www.iccsafe.org/cs/codes/Documents/2012-2014Cycle/Proposed-B/00-CompleteGroupB-MonographUpdates.pdf for more information

The following is errata that was not posted to the ICC website.

ASTM D5019, while withdrawn by ASTM, is still referenced in the IBC and IRC, so it will remain in the list of referenced standards. This standard will be removed from this update proposal.

ASTM	ASTM International	
Standard Reference Number	**Title**	**Referenced in Code(s):**
D5019-07a	Specification for Reinforced CSM Polymeric Sheet Used in Roofing Membrane	IBC, IRC

FM 4470 was indicated in the posted errata as being updated to 2013, however, the correct reference is 2012.

FM	FM Global	
Standard Reference Number	**Title**	**Referenced in Code(s):**
FM 4470 ~~2009~~ 2012	Approval Standard for Single-Ply Polymer-Modified Bitumen Sheet, Built-Up Roof (BUR) and Liquid Applied Roof Assemblies for use in Class 1 and Noncombustible Roof Deck Construction.	IBC

Committee Action Hearing Results

ADM62-13

Committee Action: **Approved as Modified**

Modify the proposal as follows:

1. Revise the titles/editions of the following standards as shown:

AISI	American Iron and Steel Institute	
Standard Reference Number	**Title**	**Referenced in Code(s):**
AISI S110-07/S1-09 (2012)	Standard for Seismic Design of Cold-Formed Steel Structural Systems-Special Moment Frames, 2007 with Supplement 1, dated 2009, (Reaffirmed 2012)	IBC
AISI S210-07 (2012)	North American Standard for Cold-formed Steel Framing-Floor and Roof System Design, 2007, (Reaffirmed 2012)	IBC
AISI S211-07/S1-12 (2012)	North American Standard for Cold-Formed Steel Framing-Wall Stud Design, 2007, including Supplement 1, dated 2012, (Reaffirmed 2012)	IBC
AISI S212-07 (2012)	North American Standard for Cold-Formed Steel Framing-Header Design, 2007, (Reaffirmed 2012)	IBC
AISI S213-07/S1-09 (2012)	North American Standard for Cold-Formed Steel Framing-Lateral Design, with Supplement 1, dated 2009, (Reaffirmed 2012)	IBC
AISI S230-07/S3-12 (2012)	Standard for Cold-formed Steel Framing-Prescriptive Method for One- and Two-family Dwellings, 2007, with Supplement 3, dated dated 2012, (Reaffirmed 2012)	IBC, IRC

2. Remove the proposed updates to the following standards:

ACI	American Concrete Institute	
Standard Reference Number	**Title**	**Referenced in Code(s):**
318-~~14~~ 11	Building Code Requirements for Structural Concrete	IBC, IRC, ISPSC

ICC	International Code Council	
Standard Reference Number	**Title**	**Referenced in Code(s):**
ICC A117.1-~~2014~~ 2009	Accessible and Useable Buildings and Facilities	IBC, IEBC, IFC, IRC, IZC

3. The following standard is not referenced and should be removed from the IMC Chapter 15.

NFPA	National Fire Protection Association	
Standard Reference Number	**Title**	**Referenced in Code(s):**
~~NFPA 274-09~~	~~Standard Test Method to Evaluate Fire Performance Characteristics of Pipe Insulation~~	~~IMC~~

Committee Reason: The proponent indicated that AISI standard references were not revised and updated, but were instead reviewed and reaffirmed in 2012. The committee agreed that it is important to clarify this in the reference.

The committee agreed that the edition of ACI 318 should remain at 2011 instead of being updated to 2014. The specific references to sections in the ACI 318 in the International Codes are coordinated with the 2011 edition. The 2014 edition will be substantially reformatted and renumbered. The 2014 edition must be finalized before it is possible to verify that the references will still be complete and accurate. Some of the revisions to references may be considered technical revisions. This correlation may need to be done as part of the Group A codes changes next cycle. If possible to address this in the public comments for Group B, it should be done.

The committee agreed that the edition of ICC A117.1 should remain 2009 instead of being updated to 2014. The ICC A117.1 is undergoing significant changes in relation to the sizes required for accessibility. At the time of the hearings, the standard has not yet reached the stage of a public draft. Once the revisions are finalized, the scoping requirements in the IBC must be reviewed to understand the full impact on spaces and buildings. Since some of the coordination may include revisions to the codes, the reference of the new edition should be delayed to allow for this coordination effort in the Group A and Group B code change cycles.

The proponent pointed out that NFPA 274 is no longer referenced anywhere in the IMC, however, it is still included in the IMC Chapter 15. Rather than being included in the automatic update proposal, it should be removed from the IMC Chapter 15.

The committee approved the automatic updates for the remainder of the standards listed in the proposal. The proposed updates to the standard are consistent with the ICC policies for updates.

Analysis. A question was raised during the testimony regarding the updating of NFPA 70, National Electrical Code. NFPA 70 will be automatically updated from the 2011 edition to the 2014 edition. The ICC Board of Directors have identified NFPA 70 as a member of the ICC family of codes, therefore, it will not be indicated in the automatic update proposal.

Assembly Action **None**

Individual Consideration Agenda

These items are on the agenda for individual consideration because public comments were submitted.

Public Comment 1:

Matthew Senecal, P.E., representing the American Concrete Institute (ACI), requests Approval as Modified by this Public Comment.

Further modify the proposal as follows:

ACI

318 - ~~11~~ 14 Building Code Requirements for Structural Concrete

Commenter's Reason: At the Dallas Committee Action Hearings, a decision was made to retain the reference to ACI 318-11 instead of updating to the latest edition, ACI 318-14. This was based upon a concern expressed on the floor that, because ACI 318 is going through reorganization, specific ACI 318 section numbers cited within the 2015 IBC may become inconsistent with ACI 318-14, thereby causing confusion to the user..

On July 1, 2013, ACI assembled a task group consisting of the concerned parties to review this issue in detail. The group concluded that If the specific ACI 318 section numbers cited in the 2015 IBC can be editorially changed to the correct ACI 318-14 section numbers, then any potential problem to the user will be avoided.

Editorial changes of this kind are allowed according to Section 4.4 of CP#28. The 318-14 section references compatible with the 2015 IBC have been determined and will be forwarded to ICC Staff for inclusion in the 2015 IBC, and other ICC Codes as appropriate.

It is important to note that there are no technical changes in ACI 318-14 that affect the eight modifications in 2015 IBC Section 1905 or any other provision of the 2015 IBC. This means only the editorial changes discussed above are required to make ACI 318-14 compatible with the 2015 IBC.

ASTM

Public Comment 2:

Marcelo M. Hirschler, representing GBH International, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

E814-~~08b~~ 2013	Test Method of Fire Tests of Through-Penetration Firestops
E1537-~~12~~ 2013	Test Method for Fire Testing of Upholstered Furniture

Commenter's Reason: Standards date updates

Public Comment 3:

Marcelo M. Hirschler, representing GBH International, and Steve Mawn, representing ASTM International, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

D6662-~~09~~ 2013	Standard Specification for Polyolefin-Based Plastic Lumber Decking Boards
E84-20~~12c~~ 2013A	Test Method for Surface Burning Characteristics of Building Materials
E1354-~~2011b~~ 2013	Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
E1590-~~12~~ 2013	Test Method for Fire Testing of Mattresses
E2404—~~12~~ 2013E1	Standard Practice for Specimen Preparation and Mounting of Textile, Paper or Vinyl Wall or Ceiling Coverings to Assess Surface Burning Characteristics

Commenter's Reason: Standards date updates

Public Comment 4:

Steve Mawn, representing ASTM International, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

A74-~~12~~ 13A	Specification for Cast Iron Soil Pipe and Fittings
A182-~~12A~~ 13	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings and Valves and Parts for High-Temperature Service
A240/A 240M-~~12~~ 13A	Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications
A283/A 283M-12A	Specification for Low and Intermediate Tensile Strength Carbon Steel Plates
A307-~~10~~ 12	Specification for Carbon Steel Bolts and Studs, 60,000 psi Tensile Strength
A312/A 312M-~~12A~~ 13A	Specification for Seamless, and Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes
A403-~~12~~ 13	Standard Specification for Wrought Austenitic Stainless Steel Pipe Fittings
A480/A480M-~~12~~ 13	Specification for General Requirements for Flat-Rolled Stainless and Heat-/Resisting Steel Plate, Sheet and Strip
A510-~~11~~ 13	Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel, Alloy Steel
A572/A 572M-12A	Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel

A588/A 588M-~~05~~ 10	Specification for High-Strength Low-Alloy Structural Steel with 50 ksi (345 Mpa) Minimum Yield Point, with Atmospheric Corrosion Resistance
A875/A 875M-~~10~~ 13	Standard Specification for Steel Sheet Zinc-5%, Aluminum Alloy-Coated by the Hot-Dip Process
A888-~~11~~ 13A	Specification for Hubless Cast Iron Soil Pipe and Fittings for Sanitary and Storm Drain, Waste, and Vent Piping Application
A924/A 924M-~~2010a~~ 13	Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot Dip Process
A1003/A 1003M-~~12~~ 13A	Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-formed Framing Members
A1008/A1008M-12A	Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability, Solution Hardened and Bake Hardenable
B152/B 152M-~~09~~ 13	Specification for Copper Sheet, Strip Plate and Rolled Bar
B241/B 241M-~~10~~ 12E1	Specification for Aluminum and Aluminum-Alloy, Seamless Pipe and Seamless Extruded Tube
B633-~~11~~ 13	Specification for Electodeposited Coatings of Zinc on Iron and Steel
C33/C33M-~~11a~~ 13	Specification for Concrete Aggregates
C34–~~10~~ 12	Specification for Structural Clay Load-Bearing Wall Tile
C42/C 42M-~~12~~ 13	Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete
C56-~~2010~~ 12	Specification for Limestone Dimension Stone
C59/C 59M-00~~(2006)~~ (2011)	Specification for Gypsum Casting Plaster and Molding Plaster
C62-~~08~~ 13	Specification for Slate Dimension Stone
C67-~~12~~ 13	Test Methods of Sampling and Testing Brick and Structural Clay Tile
C76-~~12a~~ 13A	Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
C90-~~12~~ 13	Specification for Loadbearing Concrete Masonry Units
C94/C 94M-~~12~~ 13	Specification for Construction of Dry-stacked, Surface-Bonded Walls
C109/C 109M-~~2001b~~ 12	Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
C126-~~12~~ 13	Specification for Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units
C140-~~2012a~~ 13	Test Method Sampling and Testing Concrete Masonry Units and Related Units
C143/C 143M-~~2010a~~ 12	Test Method for Slump of Hydraulic Cement Concrete
C207- ~~2011~~ 06(2011)	Specification for Hydrated Lime for Masonry Purposes
C216-~~12~~ 13	Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)
C317/C 317M-00**(**2010)	Specification for Gypsum Concrete
C330-/C330M-2009	Specification for Lightweight Aggregates for Structural Concrete
C474-~~12~~ 13	Test Methods for Joint Treatment Materials for Gypsum Board Construction
C578—12a~~b~~	Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation
C587-04(2009)	Specification for Gypsum Veneer Plaster
C595/C95M-~~2012e1~~ 13	Specification for Blended Hydraulic Cements
C615/C615M-~~2011~~ 11	Specification for Granite Dimension Stone
C616/C616M-~~2010~~ 10	Specification for Quartz Dimension Stone
C629- ~~2010~~ 10	Specification for Slate Dimension Stone
C635/C635M-~~12~~ 13	Specification for the Manufacturer, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings

C645-~~11A~~ 13	Specification for Nonstructural Steel Framing Members
C652-~~12~~ 13	Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)
C700-~~11~~ 13	Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated
C728-05 ~~(2010)~~ (2013)	Standard Specification for Perlite Thermal Insulation Board
C926-~~12A~~ 13	Specification for Application of Portland Cement-Based Plaster
C932-06(2013)	Specification for Surface-Applied Bonding Compounds ~~Agents~~ for Exterior Plastering
C933-~~11~~ 13	Specification for Welded Wire Lath
C1019-~~11~~13	Test Method for Sampling and Testing Grout
C1029-~~10~~13	Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation
C1063-12~~C~~ D	Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster
C1072-~~11~~ 13	Standard Text Method for Measurement of Masonry Flexural Bond Strength
C1088-~~09~~ 13	Specification for Thin Veneer Brick Units Made From Clay or Shale
C1107/C1107M -~~11~~ 13	Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink)
C1116/C1116M-10A	Standard Specification for Fiber - Reinforced Concrete and Shotcrete
C1157/C1157M-11	Standard Performance Specification for Hydraulic Cement
C1173-10E1	Specification for Flexible Transition Couplings for Underground Piping Systems
C1186-08(2012)	Specification for Flat Fiber Cement Sheets
C1277-~~11~~ 12	Specification for Shielded Couplings Joining Hubless Cast Iron Soil Pipe and Fittings
C1280-~~12A~~ 13	Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing
C1289—~~12a~~ 13E1	Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board
C1314-~~11A~~ 12	Test Method for Compressive Strength of Masonry Prisms
C1396/1396M-~~11~~ 2013	Specification for Gypsum Ceiling Board
C1513-~~12~~ 2013	Standard Specification for Concrete Roof Tile
C1563-~~08~~ 2013	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
D86-~~2011b~~ 2012	Test Method for Distillation of Petroleum Products at Atmospheric Pressure
D92-2012b	Test Method for Flash and Fire Points by Cleveland Open Cup Tester
D93-~~11~~ 2012	Test Method for Flash Point by Pensky-Martens Closed Cup Tester
D1693-~~12~~ 2013	Test Method for Environmental Stress-Cracking of Ethylene Plastics
D1970/D1970M-~~11~~ 2013	Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roof Underlayment for Ice Dam Protection
D2239-2012A	Specification for Polyethylene (PE) Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter
D2513-~~12~~ 2013E1	Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings
D2683-2010E1	Specification for Socket-Type Polyethylene Fittings for Outside Diameter-Controlled Polyethylene Pipe and Tubing
D2737-2012~~E1~~A	Specification for Polyethylene (PE) Plastic Tubing
D2974-~~07A~~ 2013	Standard Test Methods for Moisture, Ash and Organic Matter of Peat and other Organic Soils
D3035-2012E1	Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter
D3161/D3161M-~~12~~ 2013	Test Method for a Wind Resistance of Asphalt Shingles (Fan Induced Method)

D3201-~~08AE1~~ 2013	Test Method for Hygroscopic Properties of Fire-Retardant Wood and Wood-Based Products
D3350-~~08~~ 2012E1	Specification for Polyethylene Plastics Pipe and Fittings Materials
D3689-~~07~~ 2013E1	Test Methods for Deep Foundations Under Static Axial Tensile Load
D3737-~~09E1~~ 2012	Practice for Establishing Allowable Properties for Structural Glued Laminated Timber (Glulam)
D4637/D4637M-~~12~~ 2013	Specification for EPDM Sheet Used in Single-Ply Roof Membrane
D5055-~~12~~2013	Specification for Establishing and Monitoring Structural Capacities of Prefabricated Wood I-Joists
D5456-~~12~~ 2013	Standard Specification for Evaluation of Structural Composite Lumber Products
D6223/D6223M-02(~~2009~~)(2011)E1	Specification for Atactic Polypropylene (APP) Modified Bituminous Sheet Materials Using a Combination of Polyester and Glass Fiber Reinforcements
D6757-~~07~~ 2013	Standard Specification for Underlayment Felt Containing Inorganic Fibers used in Steep-Slope Roofing
E96/E96M-~~10~~ 2013	Test Method for Water Vapor Transmission of Materials
E1332-90(200~~3~~10A)	Standard Classification for the Determination of Outdoor-Indoor Transmission Class
E1529-~~10~~ 2013	Test Method for Determining Effects of Large Hydrocarbon Pool Fires on Structural Members and Assemblies
E1537-~~12~~ 2013	Test Method for Fire Testing of Upholstered Furniture
E1996-2012A	Specification for Performance of Exterior Windows, Curtain Walls, Doors and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
E2178–~~11~~ 2013	Standard Test Method for Air Permeance of Building Materials
E2307-~~12~~ 2010	Standard Test Method for Determining Fire Resistance of a Perimeter Joint System Between an Exterior Wall Assembly and a Floor Assembly Using the Intermediate-Scale, Multi-story Test Apparatus[1]
E2336-04(2013)	Standard Test Methods Fire Resistive Grease Duct Enclosure Systems
F441/F 441M-~~12~~ 2013	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe, Schedules 40 and 80
F442/F 442M-~~12~~ 2013	Specification for Chlorinated Poly (Vinyl Chloride) (CPVC) Plastic Pipe (SDR-PR)
F714-~~12E1~~ 2013	Specification for Polyethylene (PE) Plastic Pipe (SDR-PR) Based on Outside Diameter
F876-~~10E1~~ 2013	Specification for Crosslinked Polyethylene (PEX) Tubing
F877-2011A	Specification for Crosslinked Polyethylene (PEX) Plastic Hot- and Cold-Water Distribution Systems
F1055-~~11~~ 2013	Specification for Electrofusion Type Polyethylene Fittings for Outside Diameter Controlled Polyethylene and Crosslinked Polyethylene Pipe and Tubing
F1496-~~12~~ 2013	Standard Test Method for Performance of Convection Ovens
F1807-~~12~~ 2013	Specifications 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
F2080-~~09~~ 2012	Specification for Cold-Expansion Fittings with Metal Compression-Sleeves for Cross-linked Polyethylene (PEX) Pipe
F2200—~~11B~~ 2013	Standard Specification for Automated Vehicular Gate Construction
F2306/F 2306M-~~11~~ 2013	Specification for 12" to 60" 300 to 1500 mm annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Gravity-Flow Storm Sewer and Subsurface Drainage Applications

Commenter's Reason: Further revisions to ASTM Standards.

ICC

Public Comment 5:

Jonathan Humble, representing ICC Reference Standards Committee, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

ICC A117.1 – ~~2009~~ 2014 Accessible and Usable Buildings and Facilities

Commenter's Reason (Humble): The ICC Reference Standards Committee (ICC-REF), a committee organized to review standards and provide an opinion of standards compliance based on Council Policy 28, requests that ADM 62-13 be further modified with the incorporation of ICC A117.1-2014 edition.

The ICC-REF disagrees with the ADM code development committee reasons for reverting back to the 2009 edition of ICC A117.1. Contrary to the code development committee's reason concerning significant changes, Section 4.5.1 of the Council Policy does not stipulate any restrictions to modifications to a standards updating. Rather, the intent is that an updated standard should coordinate with the various I-codes in which the standard is referenced. Since this standard is referenced generically in each of the referenced I-codes, and not specifically by individual section number, it is believed that the update will not yield the coordination issues cited in the code development committee's recommendation.

We therefore recommend that ADM62-13 be further modified by the updating of ICC A117.1 to the 2014 edition.

Public Comment 6:

Kenneth Schoonover, KMS Associates, Inc. representing self, requests Approval as Modified by this Public Comment.

Approve the proposed update to ICC/ANSI A117.1-14 for the IBC and the IRC. Retain the reference to ICC/ANSI A117.1-2009 for the IZC, IFC and IEBC.

Commenter's Reason: ICC/ANSI A117.1 Standard is going through its normal revision cycle, which is expected to be complete before the end of this code development cycle. The new edition of A117.1 will be published and available for reference in the 2015 International Codes.

While it is true that there are significant changes, that is not a good reason to freeze the I-Codes reference at the 2009 Edition of the standard. ICC Council Policy #CP28-05 specifically allows an administrative update of a standard to be approved, based upon completion before Dec. 1 of 2014. We anticipate that this standard will be published and available well before December 1, 2014. In writing this rule for completion of a referenced standard a full year after the update is approved, ICC is specifically allowing for completion of technical work on a standard to be completed, with no qualifications regarding the progress of that work. The revisions underway for A117.1 will not impact the content of the 2015 I-Codes. Further, there are a number of reasons why the update to this standard should be approved:

1. If the revisions in question are included in the new standard, there is no good reason not to move forward with them. The changes will have been well vetted, the benefits of the changes have already been established, and the basis for the changes will have been well substantiated.
2. The potential impact on design and construction is no reason delay implementation. It will be several years before the new edition of the I-Codes are widely adopted and enforced. The changes are significant, but not so dramatic as to cause a major upheaval in the design and construction industry. This would not be the first time, or the last, that changes in codes and standards will have had such effect. Designers and builders can and will adapt, and there will be sufficient time to adapt for those who choose to be proactive and plan ahead.
3. There are many other changes and improvements in the standard that will be delayed if the standard is not updated. Among them are revisions that will correlate to a great extent the I-Codes with the new 2010 ADA Standards, which are now adopted and in force. The I-Codes have long sought to be as technically consistent as possible with the ADA Accessibility Guidelines. Designers, builders and building owners benefit from having model codes that match the federal accessibility requirements. Failure to update the standard will be a lost opportunity to continue that benefit.
4. The A117 Committee has, to date, agreed to minimize the impact of the changes on housing. The proposals under consideration by the committee include exceptions to Chapter 10 of the Standard that will limit the spatial impact Accessible, Type A and Type B units.

Analysis: Availability of older editions of a standard are determined by the policies of the standard promulgator. The IFC references the A117.1 in Sections 907.5.2.3.4 (Visible alarms) Group R-2, 1007.9 (Accessible means of egress) Signage and 1010.1 Ramps. Chapters 9 and 10 are repeated in the IBC and IFC. The IZC references the A117.1 in Sections 801.2.4 and 801.3.1. The references are specific to requirements for passenger loading zones and accessible parking spaces. Accessible parking requirements and passenger loading zones are also addressed in the IBC, Section 1106.

Public Comment 7:

Steve Orlowski, representing National Association of Home Builders (NAHB), and Tim Ryan, representing the International Association of Building Officials (IABO), requests Approved as Modified by the Code Committee.

Commenter's Reason: During the code development hearing, the committee agreed that there was a need to modify the list of referenced standard, specifically the updating of the A117.1 standard. CP policy 28 allows for standards that are already referenced in the I-Codes to be updated, even if they are still under development, provide they are completed before December 1, 2014. There are several standards that have been changed or are currently being changed without any opportunity to determine whether the standard should still be referenced in the code or the ability to change the code to reflect changes that have occurred in the standard.

For example the A117 standard is currently discussing changes that may possibly change the required dimensions of clear floor space and dimensions along the accessible route significantly. Without the opportunity to fully understand how existing buildings that were built in

accordance with the previous edition of the standard and how the proposed changes will interact with ADA and FHA requirements, NAHB encourages the final assembly to support the modification approved by the committee to not update the reference to the 2014 A117.1 standard.

Public Comment 8:

Robert Eugene, representing UL LLC, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

705-2004 ~~Revision 5~~	Standard for Power Ventilators with revisions through March 2012

Commenter's Reason: This modification provides no technical change. The re-formatting provides consistency with the formatting of the other UL referenced standards.

Public Comment 9:

Robert Eugene, representing UL LLC, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

1703-02	Flat-plate Photovoltaic Modules and Panels - with revisions through ~~May 2012~~ November 2014

Commenter's Reason: This modification will incorporate additional fire testing provisions. It will also include various clarifications and editorial revisions to the standard.

Public Comment 10:

Robert Eugene, representing UL LLC, requests Approval as Modified by this Public Comment.

Modify the proposal as follows:

14B-2008	Sliding Hardware for Standard Horizontally Mounted Tin Clad Fire Doors with revisions through May 3, 2013
14C-2006	Swinging Hardware for Standard Tin Clad Fire Doors Mounted Singly and in Pairs, with revisions through ~~December 2008~~ May 2013
181A-~~05~~ 2013	Closure Systems for Use with Rigid Air Ducts and Air Connectors~~— with Revisions through February 2008~~
181B-~~05~~ 2013	Closure Systems for Use with Flexible Air Ducts and Air Connectors~~— with Revisions through February 2008~~
268~~—06~~2009	Smoke Detectors for Fire ~~Prevention Signaling~~ Alarm Systems ~~–with revisions through October 2003~~
325-2002	Door, Drapery, Gate, Louver and Window Operators and Systems - with Revisions through ~~January 2012~~ June 2013
343-2008	Pumps for Oil-Burning Appliances – with revisions through June 2013
441-2010	Gas Vents~~—with Revisions through August 2006~~
471-~~06~~ 2010	Commercial Refrigerators and Freezers—with Revisions through ~~October 2008~~ December 2012
499-05	Electric Heating Appliances-with revisions through ~~April 2012~~ February 2013
508-99	Industrial Control Equipment—with Revisions through ~~September 2008~~ March 2013
641~~–1995~~ 2010	Type L Low-Temperature Venting Systems with revisions through May 2013
710-~~95~~ 2012	Exhaust Hoods for Commercial Cooking Equipment~~—with Revisions through December 2009~~
834-04	Heating, Water Supply and Power Boilers Electric—with Revisions through ~~December 2009~~ January 2013
842-07	Valves for Flammable Fluids, with Revisions through ~~April 2011~~ October 2012
867-~~00~~ 2011	Electrostatic Air Cleaners-with Revisions through February 2013
923~~—2008~~ 2013	Microwave Cooking Appliances~~—with Revisions through June 2010~~
1042-~~94~~ 2009	Electric Baseboard Heating Equipment-with revisions through June ~~2010~~ 2013

1081-2008	Standard for Swimming Pool Pumps, Filters and Chlorinators, with revisions through ~~November 2011~~ May 2013
1240-2012	Electric Commercial Clothes-Drying Equipment - with Revisions through ~~February 2011~~ October 2012
1313-93	Standard for Nonmetallic Safety Cans for Petroleum Products—with Revisions through ~~August 2007~~ November 2012
1479-03	Fire Tests of Through-penetration Firestops—with Revisions through ~~*March 2010*~~ October 2012
1618-09	Wall Protectors, Floor Protectors and Hearth Extensions – with revisions through May 2013
1715-97	Fire Test of Interior Finish Material—with Revisions through ~~April 2008~~ January 2013
1812-~~2009~~ 2013	Standard for Ducted Heat Recovery Ventilators~~—with Revisions through June 2010~~
1820-04	Fire Test of Pneumatic Tubing for Flame and Smoke Characteristics—with Revisions through ~~February 2009~~ May 2013
1887-04	Fire Tests of Plastic Sprinkler Pipe for Visible Flame and Smoke Characteristics—with Revisions through ~~February 2009~~ May 2013
2075-~~04~~ 2013	Standard for Gas and Vapor Detectors and Sensors~~—with revisions through September 2007~~
2079-04	Tests for Fire Resistance of Building Joint Systems—with Revisions through ~~June 2008~~ December 2012
2085-97	Protected Above-ground Tanks for Flammable and Combustible Liquids—with Revisions through ~~December 1999~~ September 2010
2200-2012	Stationary Engine Generator Assemblies-- with Revisions through June 2013
2360-00	Test Methods for Determining the Combustibility Characteristics of Plastics Used in Semi-Conductor Tool Construction—with Revisions through ~~June, 2008~~ May 2013
2523-09	Standard for Solid Fuel-Fired Hydronic Heating Appliances, Water Heaters, and Boilers, with Revisions through ~~October 2011~~ February 2013

Commenter's Reason: This modification provides additional updates to referenced standards revision dates and titles as applicable.