

# INTERNATIONAL CODE COUNCIL

## 2009/2010 CODE DEVELOPMENT CYCLE

### PROPOSED CHANGES TO THE 2009 EDITIONS OF THE

*INTERNATIONAL BUILDING CODE®*  
*INTERNATIONAL ENERGY CONSERVATION CODE®*  
*INTERNATIONAL EXISTING BUILDING CODE®*  
*INTERNATIONAL FIRE CODE®*  
*INTERNATIONAL FUEL GAS CODE®*  
*INTERNATIONAL MECHANICAL CODE®*  
*INTERNATIONAL PLUMBING CODE®*  
*INTERNATIONAL PRIVATE SEWAGE DISPOSAL CODE®*  
*INTERNATIONAL PROPERTY MAINTENANCE CODE®*  
*INTERNATIONAL RESIDENTIAL CODE®*  
*INTERNATIONAL WILDLAND-URBAN INTERFACE CODE®*  
*INTERNATIONAL ZONING CODE®*

**October 24 2009 – November 11, 2009**

Hilton Baltimore  
Baltimore, MD



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# TABLE OF CONTENTS

	PAGE
Introduction .....	iii
2009 ICC Code Development Hearings .....	iii
Registration and Voting .....	iii
Advanced Registration .....	iv
Code Development Process Changes .....	iv
Procedures .....	iv
Assembly Action .....	v
Multiple Part Code Change Proposals .....	v
Administrative Code Development Committee .....	v
Analysis Statements .....	v
Reference Standards .....	vi
Referenced Standards Updates .....	vi
Modifications .....	vi
Code Correlation Committee .....	vi
2009/2010 Code Development Schedule .....	vii
2009/2010 Staff Secretaries .....	ix
Scoping Revisions — Within the IBC .....	x
ICC Website .....	xi
CP #28-05 Code Development .....	xii
Cross Index of Proposed Changes .....	xxiii
Hearing Schedule .....	xxxii
2009/2010 Proposed Changes .....	xxxiii
2009/2010 Registration Form .....	xxxiv

## INTRODUCTION

The proposed changes published herein have been submitted in accordance with established procedures and are distributed for review. The publication of these changes constitutes neither endorsement nor question of them but is in accordance with established procedures so that any interested individuals may make their views known to the relevant code committee and others similarly interested. In furtherance of this purpose, the committee will hold an open public hearing at the date and place shown below for the purpose of receiving comments and arguments for or against such proposed changes. Those who are interested in testifying on any of the published changes are expected to be represented at these hearings.

This compilation of code change proposals is available in electronic form only. As part of ICC's green initiative, ICC will no longer print and distribute this document. The compilation of code change proposals will be posted on the ICC website, and CD copies will be distributed to all interested parties on our list.

## 2009 ICC CODE DEVELOPMENT HEARINGS

These proposed changes will be discussed in public hearings to be held on October 24, 2009 through October 31, 2009 and November 4-11, 2009 at the Hilton Baltimore, Baltimore, Maryland. The code committees will conduct their public hearings in accordance with the schedule shown on page xxxii.

## REGISTRATION AND VOTING

All members of ICC may vote on any assembly motion on proposed code changes to all International Codes. **For identification purposes, eligible voting members must register, at no cost, in order to vote.** The registration desk will be open in the lobby of the convention center according to the following schedule:

Friday, October 23 <sup>rd</sup>	3:00 pm to 6:00 pm
Saturday, October 24 <sup>th</sup> through Wednesday November 11 <sup>th</sup>	7:30 am to 5:00 pm

*Council Policy #28-Code Development* (page xii) requires that ICC's membership records regarding ICC members reflect the eligible voters 10 days prior to the start of the Code Development Hearings. This process includes new as well as changes to voting status. Section 5.7.4 of CP #28 (page xix) reads as follows:

**5.7.4 Eligible Voters:** All members of ICC in attendance at the public hearing shall be eligible to vote on floor motions. Only one vote authorized for each eligible attendee. Code Development Committee member shall be eligible to vote on floor motions. Application, whether new or updated, for ICC membership must be received by the Code Council ten days prior to the commencement of the first day of the public hearing.

**As such, new membership application as well as renewal applications must be received by ICC's Member Services Department by October 14, 2009. These records will be used to verify eligible voter status for the Code Development Hearings. Members are strongly encouraged to review their membership records for accuracy well in advance of the hearings so that any necessary changes are made prior to the October 14, 2009 deadline. For information on application for new membership and membership renewal, please go to [www.iccsafe.org/membership/join.html](http://www.iccsafe.org/membership/join.html) or call ICC Member Services at 1-888-ICC SAFE (422-7233)**

**It should be noted that a corporate member has a single vote. Only one representative of a corporate member will be issued a voting badge. ICC Staff will be contacting corporate members regarding who the designated voting representative will be.**

## ADVANCED REGISTRATION

You are encouraged to advance register by filling out the registration form available at [www.iccsafe.org/codesforum](http://www.iccsafe.org/codesforum).

## CODE DEVELOPMENT PROCESS CHANGES

As noted in the posted Advisory Statement of February 4, 2009, the revised Code Development Process includes maintaining the current 3-year publication cycle with a single cycle of code development between code editions. The schedule for the 2009/2010 Code Development Cycle is the transitional schedule for the revised code development process. As noted, there will be two Final Action Hearings in 2010—one for the modified Group A, and one for the modified Group B. The codes that will comprise the Group A and Group B hearings will be announced prior to the Code Development Hearings in Baltimore. See the Code Development Process Notes included with the Schedule on page viii.

## PROCEDURES

The procedures for the conduct of the public hearing are published in *Council Policy #28-Code Development (CP#28)* ("Procedures") on page xii. The attention of interested parties is specifically directed to Section 5.0 of the Procedures. These procedures indicate the conduct of, and opportunity to participate in the ICC Code Development Process. Please review these procedures carefully to familiarize yourself with the process.

There have been a number of revisions to the procedures. Included among these revisions are the following:

- Section 2.3: **Supplements:** ICC will no longer produce a Supplement to each edition of the I-Codes. A new edition of the I-Codes will be based upon activity of a single code change cycle.
- Section 3.3.3: **Multiple code change proposals:** A proponent is not permitted to submit multiple code changes to one section of a code unless the subject matter of each proposal is different.
- Section 4.5.1: **Administrative update of standards:** Updating of standards without a change to code text (administrative update) shall be a code change proposal dealt with by the Administrative Code Development Committee. The updating of standards procedures have also changed. See discussion on updating of standards on page vi.
- Section 4.7: **Code change posting:** All code change proposals are required to be posted on the ICC website 30 days before the code development hearings. Published copies will not be provided.
- Section 5.2.2: **Conflict of interest:** Clarification is added that a committee member who steps down from the dais because of a conflict of interest is allowed to provide testimony from the floor on that code change proposal.
- Section 5.4.6.2: **Proponent rebuttal testimony:** Where the code change proposal is submitted by multiple proponents, only one proponent of the joint submittal to be allotted additional time for rebuttal.
- Section 5.5.2: **Modifications:** The chair rules a modification in or out of order. The chair's decision is final. No challenge in a point of order is allowed for this ruling.

Section 5.7.3: **Assembly Actions:** Several changes have been made to assembly actions. See explanation page v

Section 7.3.8.2: **Initial motion at final action hearings:** A successful assembly action becomes the initial motion at the final action hearings. See explanation page v.

## **ASSEMBLY ACTION**

The procedures regarding assembly action at the Code Development Hearings have been revised to place more weight on the results of that action (see Section 5.7 of CP #28 on page viii). Some important items to note regarding assembly action are:

- A successful assembly action now requires a 2/3 majority rather than a simple majority.
- After the committee decision on a code change proposal is announced by the moderator, any one in the assembly may make a motion for assembly action.
- After a motion for assembly action is made and seconded, the moderator calls for a floor vote in accordance with Section 5.7.2. *No additional testimony will be permitted.*
- A successful assembly action becomes the initial motion considered at the Final Action Hearings. This also means that the required vote at the Final Action Hearings to uphold the assembly action is a simple majority.

## **MULTIPLE PART CODE CHANGE PROPOSALS**

It is common for ICC to receive code change proposals for more than one code or more than 1 part of a code that is the responsibility of more than one committee. For instance, a code change proposal could be proposing related changes to the text of IBC Chapter 4 (IBC-General), IBC Chapter 7 (IBC-Fire Safety), and the IFC Chapter 27 (IFC). When this occurs, a single committee will now hear all of the parts, unless one of the parts is a change to the IRC, in which case the respective IRC committee will hear that part separately.

## **ADMINISTRATIVE CODE DEVELOPMENT COMMITTEE**

A new committee for the 2009/2010 Code Change Cycle and going forward is the Administrative Code Development Committee. This committee will hear code change proposals to the administrative provisions of the I-Codes (Chapter 1 of each code.) The purpose of this committee is to achieve, inasmuch as possible, uniformity in the administrative provisions of all I-Codes when such uniformity is warranted.

## **ANALYSIS STATEMENTS**

Various proposed changes published herein contain an “analysis” that appears after the proponent’s reason. These comments do not advocate action by the code committees or the voting membership for or against a proposal. The purpose of such comments is to identify pertinent information that is relevant to the consideration of the proposed change by all interested parties, including those testifying, the code committees and the voting membership. Staff analyses customarily identify such things as: conflicts and duplication within a proposed change and with other proposed changes and/or current code text; deficiencies in proposed text and/or substantiation; text problems such as wording defects and vagueness; background information on the development of current text; and staff’s review of proposed reference standards for compliance with the Procedures. Lack of an analysis indicates neither support for, nor opposition to a proposal.

## REFERENCE STANDARDS

Proposed changes that include the addition of a reference to a new standard (i.e. a standard that is not currently referenced in the I-Codes.) will include in the proposal the number, title and edition of the proposed standard. This identifies to all interested parties the precise document that is being proposed and which would be included in the referenced standards chapter of the code if the proposed change is approved. Proponents of code changes which propose a new standard have been directed to forward copies of the standard to the Code Committee and an analysis statement will be posted on the ICC website indicating the status of compliance of the standard with the ICC referenced standards criteria in Section 3.6 of CP #28 (see page xiv). (See the ICC Website page xi) The analysis statements for referenced standards will be posted on or before September 24, 2009. This information will also be published and made available at the hearings.

## REFERENCED STANDARDS UPDATES

At the end of the agenda of the Administrative Code Development Committee is a code change proposal that is an administrative update of the referenced standards contained in the I-Codes. This code change proposal, ADM39-09/10 contains a list of standards for which the respective promulgators have indicated that the standard has been updated. The codes that these standards appear in are indicated beside each listed referenced standard. This update will then apply to every code in which the standard appears.

It should be noted that in accordance with Section 4.5.1 of CP #28 (see page xvi), standards promulgators have until December 1, 2011 to finalize and publish any updates to standards in the administrative update. If the standard is not finalized by December 1, 2011, the code will be revised to reference the previously listed year edition of that standard.

## MODIFICATIONS

Those who are submitting modification for consideration by the respective Code Development Committee are required to submit a Copyright Release in order to have their modifications considered (Section 3.3.4.5 of CP #28). It is preferred that such release be executed in advance – the form is at <http://www.iccsafe.org/cs/codes/publicforms.htm>. Copyright release forms will also be available at the hearings. Please note that an individual need only sign one copyright release for submittals of all code change proposals, modification, and public comments in this code change cycle for which the individual might be responsible. **Please be sure to review Section 5.5.2 of CP #28 for the modification process.** The Chair of the respective code development committee rules a modification in or out of order. That ruling is final, with no challenge allowed. The proponent submitting a modification is required to supply 20 printed copies. The minimum font size must be 12 point.

## CODE CORRELATION COMMITTEE

In every code change cycle, there are code change proposals that are strictly editorial. The Code Correlation Committee approves all proposals deemed editorial. A list of code correlation committee actions will be posted on the ICC website by September 24, 2009.

## 2009/2010 ICC CODE DEVELOPMENT SCHEDULE

STEP IN CODE DEVELOPMENT CYCLE	DATE	
DEADLINE FOR RECEIPT OF APPLICATIONS FOR CODE COMMITTEES	January 2, 2009	
DEADLINE FOR RECEIPT OF CODE CHANGE PROPOSALS	June 1, 2009	
WEB POSTING OF "PROPOSED CHANGES TO THE I-CODES"	August 24, 2009	
DISTRIBUTION DATE OF "PROPOSED CHANGES TO THE I-CODES" (Limited distribution – see notes)	October 3, 2009	
CODE DEVELOPMENT HEARING (CDH)  ALL CODES – see notes	<b>October 24 2009 – November 11, 2009</b> Hilton Baltimore Baltimore, MD	
WEB POSTING OF "REPORT OF THE PUBLIC HEARING"	December 16, 2009	
DISTRIBUTION DATE OF "REPORT OF THE PUBLIC HEARING" (Limited distribution – see notes)	January 11, 2010	
IN ACCORDANCE WITH THE NEW CODE DEVELOPMENT PROCESS (see notes), THE CODES WILL BE SPLIT INTO TWO GROUPS WITH SEPARATE PUBLIC COMMENT DEADLINES AND FINAL ACTION HEARINGS		
	GROUP A (see notes)	GROUP B (see notes)
DEADLINE FOR RECEIPT OF PUBLIC COMMENTS	February 8, 2010	July 1, 2010
WEB POSTING OF PUBLIC COMMENTS "FINAL ACTION AGENDA"	March 15, 2010	August 26, 2010
DISTRIBUTION DATE OF PUBLIC COMMENTS "FINAL ACTION AGENDA" (Limited distribution see notes)	April 16, 2010	September 27, 2010
FINAL ACTION HEARINGS (FAH)	<b>May 14 – 23, 2010</b> Dallas, TX	<b>Oct 28 – Nov 1, 1020</b> Charlotte, NC
ANNUAL CONFERENCES	<p><b><u>October 24 – November 11, 2009</u></b> 2009 ICC Annual Conference and Code Development Hearing Balitmore, MD</p> <p><b><u>October 25 – November 1, 2010</u></b> 2010 ICC Annual Conference and Final Action Hearing Charlotte, NC</p>	
RESULTING PUBLICATION	2012 – I-Codes (available April, 2011)	



### **Code Development Process Notes:**

As noted in the posted Advisory Statement of February 4, 2009, the revised Code Development Process includes maintaining the current 3-year publication cycle with a single cycle of code development between code editions. Implemented as follows:

- Transitional Process – 2009/2010 only
  - Single Code Development Hearing (CDH) for all codes in 2009
  - Two Final Action Hearings (FAH) in 2010 – modified Groups A and B (see below)
  - Public 2012 edition in April, 2011
- New Process – 2012/2013 and going forward
  - Code Committee application deadline (all codes); June 1, 2011
  - Codes split into two groups: Group A and Group B
  - Group A: IBC; IFGC; IMC; IPC; IPSDC
    - Code change deadline: January 3, 2012
    - Code Development Hearing: April/May 2012
    - Final Action Hearing: October/November 2012 (in conjunction with Annual Conference)
  - Group B: Admin (Ch. 1 of I-Codes); IEBC; IECC; IFC; IPerfC; IPMC; IRC; IWUIC; IZC
    - Code change deadline: January 3, 2013
    - Code Development Hearing: April/May 2013
    - Final Action Hearing: October/November 2013 (in conjunction with Annual Conference)
  - Publish 2015 edition in April, 2014
  - Repeat for subsequent editions

### **2009/2010 Cycle Notes:**

- Revised code change deadline of June 1<sup>st</sup> posted on March 19<sup>th</sup>
- Distribution date: Complimentary code development cycle document distribution will be limited to CD's mailed to those who are on ICC's code change document mailing list.
- Code Development Hearings: The Baltimore Code Development Hearings will include 12 I-Codes (no changes to the ICC Performance Code. The hearings will be held in the conventional two track format with the hearings split before and after the Annual Conference during the periods of October 24 – 31 and November 4 – 11. The specific codes and hearing order to be determined based on code change volume.
- Final Action Hearing Groupings: Final Action Hearing logistics dictate that the hearings will not be split along established Group A and B codes (see above) due to hotel commitments which limit the amount of hearing time at the October/2010 FAH versus the May/2010 FAH. Tentatively, the May/2010 FAH will include Group A codes plus certain Group B codes to be determined based on code change volume.

## 2009/2010 STAFF SECRETARIES

<b>IBC-General Chapters 1-6, 12, 13, 27-34</b>	<b>IBC-Fire Safety Chapters 7, 8, 9, 14, 26</b>	<b>IBC-Means of Egress Chapters 10, 11</b>	<b>IBC-Structural Chapters 15-25</b>
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## SCOPING REVISIONS – WITHIN THE IBC

The 2009/2010 Staff Secretaries assignments on page ix indicate which chapters of the International Building Code are generally within the responsibility of each IBC Code Committee. However, within each of these IBC Chapters are subjects that are most appropriately maintained by another IBC Code Committee. For example, the provisions of Section 3008.1 deal with occupant evacuation elevators. Therefore, even though Chapter 30 is within the responsibility of the IBC General Committee, this section would most appropriately be maintained by the IBC Means of Egress Committee. The following table indicates responsibilities by IBC Code Committees other than the main committee for those chapters, for code changes submitted for the 2009/2010 Cycle.

SECTION	CHAPTER MAINTAINED BY	SECTION MAINTAINED BY	CODE CHANGES
403.2.3	IBC-General	IBC-Structural	E5 Part I (Heard by IBC-MOE)
403.5.1	IBC-General	IBC-Structural	E5 Part I (Heard by IBC-MOE)
403.5.2	IBC-General	IBC-Means of Egress	G46
403.5.4	IBC-General	IBC-Structural	E5 Part I (Heard by IBC-MOE)
403.5.4	IBC-General	IBC-Means of Egress	G47
403.6.1	IBC-General	IBC-Means of Egress	G48, G49
408.3.8	IBC-General	IBC-Structural	E5 Part I (Heard by IBC-MOE)
410.5.3.1	IBC-General	IBC-Structural	E5 Part I (Heard by IBC-MOE)
419.3.0	IBC-General	IBC-Means of Egress	G79
1505.1.0	IBC-Structural	IBC-Fire Safety	S10, S11
1505.8.0	IBC-Structural	IBC-Fire Safety	S12, S13
1507.16.0	IBC-Structural	IBC-Fire Safety	S10, S11
1508.1.0	IBC-Structural	IBC-Fire Safety	S24
1508.2.0	IBC-Structural	IBC-Fire Safety	S25
1509.0.0	IBC-Structural	IBC-General	S26, S27
1509.6.(new)	IBC-Structural	IBC-General	S28
1704.15.0	IBC-Structural	IBC-Fire Safety	S126, S127,S128
3007.1.0	IBC-General	IBC-Means of Egress	G48,G157
3007.2.(new)	IBC-General	IBC-Means of Egress	G158, G159
3007.2.0	IBC-General	IBC-Means of Egress	G160
3007.3.(new)	IBC-General	IBC-Means of Egress	G158, G161
3007.4.(new)	IBC-General	IBC-Means of Egress	G162
3007.4.2	IBC-General	IBC-Means of Egress	G163
3007.4.3	IBC-General	IBC-Means of Egress	G176
3007.5.1.(NEW)	IBC-General	IBC-Means of Egress	G164
3007.7.1	IBC-General	IBC-Means of Egress	G165, G166
3007.8.0	IBC-General	IBC-Means of Egress	G167
3008.1.0	IBC-General	IBC-Means of Egress	G168, G170
3008.1.1	IBC-General	IBC-Means of Egress	G169
3008.10.0	IBC-General	IBC-Means of Egress	G174
3008.10.1	IBC-General	IBC-Means of Egress	G175
3008.11.3	IBC-General	IBC-Means of Egress	G176
3008.11.5	IBC-General	IBC-Means of Egress	G177
3008.3.(NEW)	IBC-General	IBC-Means of Egress	G165, G166
3008.4.(NEW)	IBC-General	IBC-Means of Egress	G171
3008.4.0	IBC-General	IBC-Means of Egress	G46
3008.7.0	IBC-General	IBC-Means of Egress	G172
3008.9.0	IBC-General	IBC-Means of Egress	G173
3401.4.0	IBC-General	IBC-Structural	G190
3401.4.1	IBC-General	IBC-Structural	G191
3401.4.3	IBC-General	IBC-Structural	G190
3401.5.(NEW)	IBC-General	IBC-Structural	G192

SECTION	CHAPTER MAINTAINED BY	SECTION MAINTAINED BY	CODE CHANGES
3402.1.0	IBC-General	IBC-Structural	G193
3403.4.1	IBC-General	IBC-Structural	G190
3404.4.1	IBC-General	IBC-Structural	G190
3405.1.1	IBC-General	IBC-Structural	G192
3405.2.0	IBC-General	IBC-Structural	G193, G194
3405.2.1	IBC-General	IBC-Structural	G193, G190
3405.2.2	IBC-General	IBC-Structural	G193
3405.2.3	IBC-General	IBC-Structural	G193, G195
3405.3.0	IBC-General	IBC-Structural	G193
3405.4.0	IBC-General	IBC-Structural	G193, G194
3405.5.0	IBC-General	IBC-Structural	G196
3408.4.0	IBC-General	IBC-Structural	G190, G197
3408.4.0	IBC-General	IBC-Structural	G190
403.2.3	IBC-General	IBC-Structural	E5 Part I (Heard by IBC-MOE)
403.5.1	IBC-General	IBC-Structural	E5 Part I (Heard by IBC-MOE)
403.5.2	IBC-General	IBC-Means of Egress	G46
403.5.4	IBC-General	IBC-Structural	E5 Part I (Heard by IBC-MOE)
403.5.4	IBC-General	IBC-Means of Egress	G47
403.6.1	IBC-General	IBC-Means of Egress	G48, G49
408.3.8	IBC-General	IBC-Structural	E5 Part I (Heard by IBC-MOE)
410.5.3.1	IBC-General	IBC-Structural	E5 Part I (Heard by IBC-MOE)
419.3.0	IBC-General	IBC-Means of Egress	G79

## ICC WEBSITE – [WWW.ICCSAFE.ORG](http://www.iccsafe.org)

While great care has been exercised in the publication of this document, errata to proposed changes may occur. Errata, if any, identified prior to the Code Development Hearings will be posted on the ICC website at <http://www.iccsafe.org>. Users are encouraged to periodically review the ICC Website for updates to errata to the 2009/2010 Code Development Cycle Proposed Changes. Additionally, analysis statements for code changes which propose a new referenced standard will be updated to reflect the staff review of the standard for compliance with Section 3.6 of the Procedures.



## CP# 28-05 CODE DEVELOPMENT

Approved: 9/24/05

Revised: 2/27/09

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CP # 28-05 is an update to *ICC's Code Development Process for the International Codes* dated May 15, 2004.

### 1.0 Introduction

- 1.1 **Purpose:** The purpose of this Council Policy is to prescribe the Rules of Procedure utilized in the continued development and maintenance of the International Codes (Codes).
- 1.2 **Objectives:** The ICC Code Development Process has the following objectives:
  - 1.2.1 The timely evaluation and recognition of technological developments pertaining to construction regulations.
  - 1.2.2 The open discussion of proposals by all parties desiring to participate.
  - 1.2.3 The final determination of Code text by officials representing code enforcement and regulatory agencies and by honorary members.
- 1.3 **Code Publication:** The ICC Board of Directors (ICC Board) shall determine the title and the general purpose and scope of each Code published by the ICC.
  - 1.3.1 **Code Correlation:** The provisions of all Codes shall be consistent with one another so that conflicts between the Codes do not occur. Where a given subject matter or code text could appear in more than one Code, the ICC Board shall determine which Code shall be the primary document, and therefore which code development committee shall be responsible for review and maintenance of the code text. Duplication of content or text between Codes shall be limited to the minimum extent necessary for practical usability of the Codes, as determined in accordance with Section 4.4.
- 1.4 **Process Maintenance:** The review and maintenance of the Code Development Process and these Rules of Procedure shall be by the ICC Board. The manner in which ICC codes are developed embodies core principles of the organization. One of those principles is that the final content of ICC codes is determined by a majority vote of the governmental and honorary members. It is the policy of the Board that there shall be no change to this principle without the affirmation of two-thirds of the governmental and honorary members responding.
- 1.5 **Secretariat:** The Chief Executive Officer shall assign a Secretariat for each of the Codes. All correspondence relating to code change proposals and public comments shall be addressed to the Secretariat.
- 1.6 **Video Taping:** Individuals requesting permission to video tape any meeting, or portion thereof, shall be required to provide the ICC with a release of responsibility disclaimer and shall acknowledge that they have insurance coverage for liability and misuse of video tape materials. Equipment and the process used to video tape shall, in the judgment of the ICC Secretariat, be conducted in a manner that is not disruptive to the meeting. The ICC shall not be responsible for equipment, personnel or any other provision necessary to accomplish the videotaping. An unedited copy of the video tape shall be forwarded to ICC within 30 days of the meeting.

### 2.0 Code Development Cycle

- 2.1 **Intent:** The code development cycle shall consist of the complete consideration of code change proposals in accordance with the procedures herein specified, commencing with the deadline for submission of code change proposals (see Section 3.5) and ending with publication of final action on the code change proposals (see Section 7.6).

- 2.2 **New Editions:** The ICC Board shall determine the schedule for publishing new editions of the Codes. Each new edition shall incorporate the results of the code development activity since the last edition.
- 2.3 **Supplements:** The results of code development activity between editions may be published.
- 2.4 **Emergency Procedures:** In the event that the ICC Board determines that an emergency amendment to any Code is warranted, the same may be adopted by the ICC Board. Such action shall require an affirmative vote of at least two-thirds of the ICC Board.

The ICC membership shall be notified within ten days after the ICC Boards' official action of any emergency amendment. At the next Annual Business Meeting, any emergency amendment shall be presented to the members for ratification by a majority of the ICC Governmental Member Representatives and Honorary Members present and voting.

All code revisions pursuant to these emergency procedures and the reasons for such corrective action shall be published as soon as practicable after ICC Board action. Such revisions shall be identified as an emergency amendment.

Emergency amendments to any Code shall not be considered as a retro-active requirement to the Code. Incorporation of the emergency amendment into the adopted Code shall be subjected to the process established by the adopting authority.

### 3.0 Submittal of Code Change Proposals

- 3.1 **Intent:** Any interested person, persons or group may submit a code change proposal which will be duly considered when in conformance to these Rules of Procedure.
- 3.2 **Withdrawal of Proposal:** A code change proposal may be withdrawn by the proponent (WP) at any time prior to Final Action Consideration of that proposal. A withdrawn code change proposal shall not be subject to a public hearing, motions, or Final Action Consideration.
- 3.3 **Form and Content of Code Change Submittals:** Each code change proposal shall be submitted separately and shall be complete in itself. Each submittal shall contain the following information:
  - 3.3.1 **Proponent:** Each code change proposal shall include the name, title, mailing address, telephone number, and email address of the proponent.
    - 3.3.1.1 If a group, organization or committee submits a code change proposal, an individual with prime responsibility shall be indicated.
    - 3.3.1.2 If a proponent submits a code change on behalf of a client, group, organization or committee, the name and mailing address of the client, group, organization or committee shall be indicated.
  - 3.3.2 **Code Reference:** Each code change proposal shall relate to the applicable code sections(s) in the latest edition of the Code.
    - 3.3.2.1 If more than one section in the Code is affected by a code change proposal, appropriate proposals shall be included for all such affected sections.
    - 3.3.2.2 If more than one Code is affected by a code change proposal, appropriate proposals shall be included for all such affected Codes and appropriate cross referencing shall be included in the supporting information.
  - 3.3.3 **Multiple code change proposals to a code section.** A proponent shall not submit multiple code change proposals to the same code section. When a proponent submits multiple code change proposals to the same section, the proposals shall be considered as incomplete proposals and processed in accordance with Section 4.3. This restriction shall not apply to code change proposals that attempt to address differing subject matter within a code section.
  - 3.3.4 **Text Presentation:** The text proposal shall be presented in the specific wording desired with deletions shown struck out with a single line and additions shown underlined with a single line.

- 3.3.4.1 A charging statement shall indicate the referenced code section(s) and whether the proposal is intended to be an addition, a deletion or a revision to existing Code text.
  - 3.3.4.2 Whenever practical, the existing wording of the text shall be preserved with only such deletions and additions as necessary to accomplish the desired change.
  - 3.3.4.3 Each proposal shall be in proper code format and terminology.
  - 3.3.4.4 Each proposal shall be complete and specific in the text to eliminate unnecessary confusion or misinterpretation.
  - 3.3.4.5 The proposed text shall be in mandatory terms.
- 3.3.5 **Supporting Information:** Each code change proposal shall include sufficient supporting information to indicate how the proposal is intended to affect the intent and application of the Code.
- 3.3.5.1 **Purpose:** The proponent shall clearly state the purpose of the proposed code change (e.g. clarify the Code; revise outdated material; substitute new or revised material for current provisions of the Code; add new requirements to the Code; delete current requirements, etc.)
  - 3.3.5.2 **Reasons:** The proponent shall justify changing the current Code provisions, stating why the proposal is superior to the current provisions of the Code. Proposals which add or delete requirements shall be supported by a logical explanation which clearly shows why the current Code provisions are inadequate or overly restrictive, specifies the shortcomings of the current Code provisions and explains how such proposals will improve the Code.
  - 3.3.5.3 **Substantiation:** The proponent shall substantiate the proposed code change based on technical information and substantiation. Substantiation provided which is reviewed in accordance with Section 4.2 and determined as not germane to the technical issues addressed in the proposed code change shall be identified as such. The proponent shall be notified that the proposal is considered an incomplete proposal in accordance with Section 4.3 and the proposal shall be held until the deficiencies are corrected. The proponent shall have the right to appeal this action in accordance with the policy of the ICC Board. The burden of providing substantiating material lies with the proponent of the code change proposal.
  - 3.3.5.4 **Bibliography:** The proponent shall submit a bibliography of any substantiating material submitted with the code change proposal. The bibliography shall be published with the code change and the proponent shall make the substantiating materials available for review at the appropriate ICC office and during the public hearing.
  - 3.3.5.5 **Copyright Release:** The proponent of code change proposals, floor modifications and public comments shall sign a copyright release reading: "I hereby grant and assign to ICC all rights in copyright I may have in any authorship contributions I make to ICC in connection with any proposal and public comment, in its original form submitted or revised form, including written and verbal modifications submitted in accordance Section 5.5.2. I understand that I will have no rights in any ICC publications that use such contributions in the form submitted by me or another similar form and certify that such contributions are not protected by the copyright of any other person or entity."
  - 3.3.5.6 **Cost Impact:** The proponent shall indicate one of the following regarding the cost impact of the code change proposal: 1) the code change proposal will increase the cost of construction; or 2) the code change proposal will not increase the cost of construction. This information will be included in the published code change proposal.
- 3.4 **Number:** One copy of each code change proposal, two copies of each proposed new referenced standard and one copy of all substantiating information shall be submitted. Additional copies may be requested when determined necessary by the Secretariat to allow such information to be distributed to the code development committee. Where such additional copies are requested, it shall be the responsibility of the proponent to send such copies to the respective code development committee. A copy of the code change proposal in electronic form is preferred.
- 3.5 **Submittal Deadline:** Each code change proposal shall be received at the office of the Secretariat by the posted deadline. Such posting shall occur no later than 120 days prior to the code change deadline. The submitter of a proposed code change is responsible for the proper and timely receipt of all pertinent materials by the Secretariat.
- 3.6 **Referenced Standards:** In order for a standard to be considered for reference or to continue to be referenced by the Codes, a standard shall meet the following criteria:

### 3.6.1 Code References:

- 3.6.1.1 The standard, including title and date, and the manner in which it is to be utilized shall be specifically referenced in the Code text.
- 3.6.1.2 The need for the standard to be referenced shall be established.

### 3.6.2 Standard Content:

- 3.6.2.1 A standard or portions of a standard intended to be enforced shall be written in mandatory language.
- 3.6.2.2 The standard shall be appropriate for the subject covered.
- 3.6.2.3 All terms shall be defined when they deviate from an ordinarily accepted meaning or a dictionary definition.
- 3.6.2.4 The scope or application of a standard shall be clearly described.
- 3.6.2.5 The standard shall not have the effect of requiring proprietary materials.
- 3.6.2.6 The standard shall not prescribe a proprietary agency for quality control or testing.
- 3.6.2.7 The test standard shall describe, in detail, preparation of the test sample, sample selection or both.
- 3.6.2.8 The test standard shall prescribe the reporting format for the test results. The format shall identify the key performance criteria for the element(s) tested.
- 3.6.2.9 The measure of performance for which the test is conducted shall be clearly defined in either the test standard or in Code text.
- 3.6.2.10 The standard shall not state that its provisions shall govern whenever the referenced standard is in conflict with the requirements of the referencing Code.
- 3.6.2.11 The preface to the standard shall announce that the standard is promulgated according to a consensus procedure.

### 3.6.3 Standard Promulgation:

- 3.6.3.1 Code change proposals with corresponding changes to the code text which include a reference to a proposed new standard or a proposed update of an existing referenced shall comply with this section. The standard shall be completed and readily available prior to Final Action Consideration based on the cycle of code development which includes the proposed code change proposal. In order for a new standard to be considered for reference by the Code, such standard shall be submitted in at least a consensus draft form in accordance with Section 3.4. Updating of standards without corresponding code text changes shall be accomplished administratively in accordance with Section 4.5.
- 3.6.3.2 The standard shall be developed and maintained through a consensus process such as ASTM or ANSI.

## 4.0 Processing of Proposals

- 4.1 **Intent:** The processing of code change proposals is intended to ensure that each proposal complies with these Rules of Procedure and that the resulting published proposal accurately reflects that proponent's intent.
- 4.2 **Review:** Upon receipt in the Secretariat's office, the code change proposals will be checked for compliance with these Rules of Procedure as to division, separation, number of copies, form, language, terminology, supporting statements and substantiating data. Where a code change proposal consists of multiple parts which fall under the maintenance responsibilities of different code committees, the Secretariat shall determine the code committee responsible for determining the committee action in accordance with Section 5.6.
- 4.3 **Incomplete Proposals:** When a code change proposal is submitted with incorrect format, without the required information or judged as not in compliance with these Rules of Procedure, the Secretariat shall notify the proponent of the specific deficiencies and the proposal shall be held until the deficiencies are corrected, with a final date set for receipt of a corrected submittal. If the Secretariat receives the corrected proposal after the final date, the proposal shall be held over until the next code development cycle. Where there are otherwise no deficiencies addressed by this section, a proposal that incorporates a new referenced standard shall be processed with an analysis of referenced standard's compliance with the criteria set forth in Section 3.6.
- 4.4 **Editorial:** The Chief Executive Officer shall have the authority at all times to make editorial and format changes to the Code text, or any approved changes, consistent with the intent, provisions and style of the Code. An editorial or format change is a text change that does not affect the scope or application of the code requirements.



## 4.5 Updating Standards:

**4.5.1 Standards referenced in the 2012 Edition of 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, 2011. The published version of the 2012 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.

**4.5.2 Standards referenced in the 2015 Edition and following Editions of 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 multiple standards to be updated may be included in a single proposal. The standard shall be completed and readily available prior to Final Action Consideration of the Administrative code change proposal which includes the proposed update.

**4.6 Preparation:** All code change proposals in compliance with these procedures shall be prepared in a standard manner by the Secretariat and be assigned separate, distinct and consecutive numbers. The Secretariat shall coordinate related proposals submitted in accordance with Section 3.3.2 to facilitate the hearing process.

**4.7 Publication:** All code change proposals shall be posted on the ICC website at least 30 days prior to the public hearing on those proposals and shall constitute the agenda for the public hearing. Code change proposals which have not been published shall not be considered.

## 5.0 Public Hearing

**5.1 Intent:** The intent of the public hearing is to permit interested parties to present their views including the cost and benefits on the code change proposals on the published agenda. The code development committee will consider such comments as may be presented in the development of their action on the disposition of such proposals. At the conclusion of the code development committee deliberations, the committee action on each code change proposal shall be placed before the hearing assembly for consideration in accordance with Section 5.7.

**5.2 Committee:** The Code Development Committees shall be appointed by the applicable ICC Council.

**5.2.1 Chairman/Moderator:** The Chairman and Vice-Chairman shall be appointed by the Steering Committee on Councils from the appointed members of the committee. The ICC President shall appoint one or more Moderators who shall act as presiding officer for the public hearing.

**5.2.2 Conflict of Interest:** A committee member shall withdraw from and take no part in those matters with which the committee member has an undisclosed financial, business or property interest. The committee member shall not participate in any committee discussion on the matter or any committee vote. Violation thereof shall result in the immediate removal of the committee member from the committee. A committee member who is a proponent of a proposal shall not participate in any committee discussion on the matter or any committee vote. Such committee member shall be permitted to participate in the floor discussion in accordance with Section 5.5 by stepping down from the dais.

**5.2.3 Representation of Interest:** Committee members shall not represent themselves as official or unofficial representatives of the ICC except at regularly convened meetings of the committee.

**5.2.4 Committee Composition:** The committee may consist of representation from multiple interests. A minimum of thirty-three and one-third percent (33.3%) of the committee members shall be regulators.

**5.3 Date and Location:** The date and location of each public hearing shall be announced not less than 60 days prior to the date of the public hearing.

**5.4 General Procedures:** *The Robert's Rules of Order* shall be the formal procedure for the conduct of the public hearing except as a specific provision of these Rules of Procedure may otherwise dictate. A quorum shall consist of a majority of the voting members of the committee.

- 5.4.1 **Chair Voting:** The Chairman of the committee shall vote only when the vote cast will break a tie vote of the committee.
  - 5.4.2 **Open Meetings:** Public hearings of the Code Development Committees are open meetings. Any interested person may attend and participate in the Floor Discussion and Assembly Consideration portions of the hearing. Only eligible voters (see Section 5.7.4) are permitted to vote on Assembly Considerations. Only Code Development Committee members may participate in the Committee Action portion of the hearings (see Section 5.6).
  - 5.4.3 **Presentation of Material at the Public Hearing:** Information to be provided at the hearing shall be limited to verbal presentations and modifications submitted in accordance with Section 5.5.2. Audio-visual presentations are not permitted. Substantiating material submitted in accordance with Section 3.3.4.4 and other material submitted in response to a code change proposal shall be located in a designated area in the hearing room and shall not be distributed to the code development committee at the public hearing.
  - 5.4.4 **Agenda Order:** The Secretariat shall publish an agenda for each public hearing, placing individual code change proposals in a logical order to facilitate the hearing. Any public hearing attendee may move to revise the agenda order as the first order of business at the public hearing, or at any time during the hearing except while another proposal is being discussed. Preference shall be given to grouping like subjects together, and for moving items back to a later position on the agenda as opposed to moving items forward to an earlier position. A motion to revise the agenda order is subject to a 2/3 vote of those present and voting.
  - 5.4.5 **Reconsideration:** There shall be no reconsideration of a proposed code change after it has been voted on by the committee in accordance with Section 5.6; or, in the case of assembly consideration, there shall be no reconsideration of a proposed code change after it has been voted on by the assembly in accordance with Section 5.7.
  - 5.4.6 **Time Limits:** Time limits shall be established as part of the agenda for testimony on all proposed changes at the beginning of each hearing session. Each person requesting to testify on a change shall be given equal time. In the interest of time and fairness to all hearing participants, the Moderator shall have limited authority to modify time limitations on debate. The Moderator shall have the authority to adjust time limits as necessary in order to complete the hearing agenda.
    - 5.4.6.1 **Time Keeping:** Keeping of time for testimony by an individual shall be by an automatic timing device. Remaining time shall be evident to the person testifying. Interruptions during testimony shall not be tolerated. The Moderator shall maintain appropriate decorum during all testimony.
    - 5.4.6.2 **Proponent Testimony:** The Proponent is permitted to waive an initial statement. The Proponent shall be permitted to have the amount of time that would have been allocated during the initial testimony period plus the amount of time that would be allocated for rebuttal. Where the code change proposal is submitted by multiple proponents, this provision shall permit only one proponent of the joint submittal to be allotted additional time for rebuttal.
  - 5.4.7 **Points of Order:** Any person participating in the public hearing may challenge a procedural ruling of the Moderator or the Chairman. A majority vote of the eligible voters as determined in Section 5.7.4 shall determine the decision.
- 5.5 **Floor Discussion:** The Moderator shall place each code change proposal before the hearing for discussion by identifying the proposal and by regulating discussion as follows:
- 5.5.1 **Discussion Order:**
    1. *Proponents.* The Moderator shall begin by asking the proponent and then others in support of the proposal for their comments.
    2. *Opponents.* After discussion by those in support of a proposal, those opposed hereto, if any, shall have the opportunity to present their views.
    3. *Rebuttal in support.* Proponents shall then have the opportunity to rebut points raised by the opponents.
    4. *Rerebuttal in opposition.* Opponents shall then have the opportunity to respond to the proponent's rebuttal.
  - 5.5.2 **Modifications:** Modifications to proposals may be suggested from the floor by any person participating in the public hearing. The person proposing the modification is deemed to be the proponent of the modification.

**5.5.2.1 Submission and Written Copies.** All modifications must be written, unless determined by the Chairman to be either editorial or minor in nature. The modification proponent shall provide 20 copies to the Secretariat for distribution to the committee.

**5.5.2.2 Criteria.** The Chairman shall rule proposed modifications in or out of order before they are discussed on the floor. A proposed modification shall be ruled out of order if it:

1. is not legible, unless not required to be written in accordance with Section 5.5.2.1; or
2. changes the scope of the original proposal; or
3. is not readily understood to allow a proper assessment of its impact on the original proposal or the code.

The ruling of the Chairman on whether or not the modification is in or out of order shall be final and is not subject to a point of order in accordance with Section 5.4.7.

**5.5.2.3 Testimony.** When a modification is offered from the floor and ruled in order by the Chairman, a specific floor discussion on that modification is to commence in accordance with the procedures listed in Section 5.5.1.

**5.6 Committee Action:** Following the floor discussion of each code change proposal, one of the following motions shall be made and seconded by members of the committee.

1. Approve the code change proposal as submitted (AS) or
2. Approve the code change proposal as modified with specific modifications (AM), or
3. Disapprove the code change proposal (D)

Discussion on this motion shall be limited to Code Development Committee members. If a committee member proposes a modification which had not been proposed during floor discussion, the Chairman shall rule on the modification in accordance with Section 5.5.2.2. If a committee member raises a matter of issue, including a proposed modification, which has not been proposed or discussed during the floor discussion, the Moderator shall suspend the committee discussion and shall reopen the floor discussion for comments on the specific matter or issue. Upon receipt of all comments from the floor, the Moderator shall resume committee discussion.

The Code Development Committee shall vote on each motion with the majority dictating the committee's action. Committee action on each code change proposal shall be completed when one of the motions noted above has been approved. Each committee vote shall be supported by a reason.

The Code Development Committee shall maintain a record of its proceedings including the action on each code change proposal.

**5.7 Assembly Consideration:** At the conclusion of the committee's action on a code change proposal and before the next code change proposal is called to the floor, the Moderator shall ask for a motion from the public hearing attendees who may object to the committee's action. If a motion in accordance with Section 5.7.1 is not brought forward on the committee's action, the results of the public hearing shall be established by the committee's action. If a motion in accordance with Section 5.7.1 is brought forward and

is sustained in accordance with Section 5.7.3, both the committee's action and the assemblies' action shall be reported as the results of the public hearing. Where a motion is sustained in accordance with Section 5.7.3, such action shall be the initial motion considered at Final Action Consideration in accordance with Section 7.3.8.2.

**5.7.1 Floor Motion:** Any attendee may raise an objection to the committee's action in which case the attendee will be able to make a motion to:

1. Approve the code change proposal as submitted from the floor (ASF), or
2. Approve the code change proposal as modified from the floor (AMF) with a specific modification that has been previously offered from the floor and ruled in order by the Chairman during floor discussion (see Section 5.5.2) or has been offered by a member of the Committee and ruled in order by the Chairman during committee discussion (see Section 5.6), or
3. Disapprove the code change proposal from the floor (DF).

- 5.7.2 Discussion:** On receipt of a second to the floor motion, the Moderator shall place the motion before the assembly for a vote. No additional testimony shall be permitted.
- 5.7.3 Assembly Action:** The assembly action shall be in accordance with the following majorities based on the number of votes cast by eligible voters (See 5.7.4).

Committee Action	Desired Assembly Action		
	ASF	AMF	DF
AS	--	2/3 Majority	2/3 Majority
AM	2/3 Majority	2/3 Majority	2/3 Majority
D	2/3 Majority	2/3 Majority	--

**5.7.4 Eligible Voters:** All members of ICC in attendance at the public hearing shall be eligible to vote on floor motions. Only one vote authorized for each eligible attendee. Code Development Committee members shall be eligible to vote on floor motions. Application, whether new or updated, for ICC membership must be received by the Code Council ten days prior to the commencement of the first day of the public hearing.

**5.8 Report of the Public Hearing:** The results of the public hearing, including committee action and successful assembly action, shall be posted on the ICC website not less than 60 days prior to Final Action Consideration except as approved by the ICC Board.

## 6.0 Public Comments

**6.1 Intent:** The public comment process gives attendees at the Final Action Hearing an opportunity to consider specific objections to the results of the public hearing and more thoughtfully prepare for the discussion for Final Action Consideration. The public comment process expedites the Final Action Consideration at the Final Action Hearing by limiting the items discussed to the following:

- 6.1.1** Consideration of items for which a public comment has been submitted; and
- 6.1.2** Consideration of items which received a successful assembly action at the public hearing.

**6.2 Deadline:** The deadline for receipt of a public comment to the results of the public hearing shall be announced at the public hearing but shall not be less than 30 days from the availability of the report of the results of the public hearing (see Section 5.8).

**6.3 Withdrawal of Public Comment:** A public comment may be withdrawn by the public commenter at any time prior to Final Action Consideration of that comment. A withdrawn public comment shall not be subject to Final Action Consideration. If the only public comment to a code change proposal is withdrawn by the public commenter prior to the vote on the consent agenda in accordance with Section 7.3.4, the proposal shall be considered as part of the consent agenda. If the only public comment to a code change proposal is withdrawn by the public commenter after the vote on the consent agenda in accordance with Section 7.3.4, the proposal shall continue as part of the individual consent agenda in accordance with Section 7.3.5, however the public comment shall not be subject to Final Action Consideration.

**6.4 Form and Content of Public Comments:** Any interested person, persons, or group may submit a public comment to the results of the public hearing which will be considered when in conformance to these requirements. Each public comment to a code change proposal shall be submitted separately and shall be complete in itself. Each public comment shall contain the following information:

**6.4.1 Public comment:** Each public comment shall include the name, title, mailing address, telephone number and email address of the public commenter. If group, organization, or committee submits a public comment, an individual with prime responsibility shall be indicated. If a public comment is submitted on behalf a client, group, organization or committee, the name and mailing address of the client, group, organization or committee shall be indicated. The scope of the public comment shall be consistent with the scope of the original code change proposal, committee action or successful assembly action. Public comments which are determined as not within the scope of the code change proposal, committee action or successful assembly action shall be identified as such. The public commenter shall be notified that the public comment is considered an incomplete public comment in accordance with Section 6.5.1 and the public comment shall be held until the deficiencies are corrected. A copyright release in accordance with Section 3.3.4.5 shall be provided with the public comment.

- 6.4.2 Code Reference:** Each public comment shall include the code change proposal number and the results of the public hearing, including successful assembly actions, on the code change proposal to which the public comment is directed.
- 6.4.3 Multiple public comments to a code change proposal.** A proponent shall not submit multiple public comments to the same code change proposal. When a proponent submits multiple public comments to the same code change proposal, the public comments shall be considered as incomplete public comments and processed in accordance with Section 6.5.1. This restriction shall not apply to public comments that attempt to address differing subject matter within a code section.
- 6.4.4 Desired Final Action:** The public comment shall indicate the desired final action as one of the following:
1. Approve the code change proposal as submitted (AS), or
  2. Approve the code change proposal as modified (AM) by one or more specific modifications published in the Results of the Public Hearing or published in a public comment, or
  3. Disapprove the code change proposal (D)
- 6.4.5 Supporting Information:** The public comment shall include in a statement containing a reason and justification for the desired final action on the code change proposal. Reasons and justification which are reviewed in accordance with Section 6.4 and determined as not germane to the technical issues addressed in the code change proposal or committee action shall be identified as such. The public commenter shall be notified that the public comment is considered an incomplete public comment in accordance with Section 6.5.1 and the public comment shall be held until the deficiencies are corrected. The public commenter shall have the right to appeal this action in accordance with the policy of the ICC Board. A bibliography of any substantiating material submitted with a public comment shall be published with the public comment and the substantiating material shall be made available at the Final Action Hearing.
- 6.4.6 Number:** One copy of each public comment and one copy of all substantiating information shall be submitted. Additional copies may be requested when determined necessary by the Secretariat. A copy of the public comment in electronic form is preferred.

**6.5 Review:** The Secretariat shall be responsible for reviewing all submitted public comments from an editorial and technical viewpoint similar to the review of code change proposals (See Section 4.2).

**6.5.1 Incomplete Public Comment:** When a public comment is submitted with incorrect format, without the required information or judged as not in compliance with these Rules of Procedure, the public comment shall not be processed. The Secretariat shall notify the public commenter of the specific deficiencies and the public comment shall be held until the deficiencies are corrected, or the public comment shall be returned to the public commenter with instructions to correct the deficiencies with a final date set for receipt of the corrected public comment.

**6.5.2 Duplications:** On receipt of duplicate or parallel public comments, the Secretariat may consolidate such public comments for Final Action Consideration. Each public commenter shall be notified of this action when it occurs.

**6.5.3 Deadline:** Public comments received by the Secretariat after the deadline set for receipt shall not be published and shall not be considered as part of the Final Action Consideration.

**6.6 Publication:** The public hearing results on code change proposals that have not been public commented and the code change proposals with public commented public hearing results and successful assembly actions shall constitute the Final Action Agenda. The Final Action Agenda shall be posted on the ICC website at least 30 days prior to Final Action consideration.

## 7.0 Final Action Consideration

**7.1 Intent:** The purpose of Final Action Consideration is to make a final determination of all code change proposals which have been considered in a code development cycle by a vote cast by eligible voters (see Section 7.4).

**7.2 Agenda:** The final action consent agenda shall be comprised of proposals which have neither an assembly action nor public comment. The agenda for public testimony and individual consideration shall be comprised of proposals which have a successful assembly action or public comment (see Sections 5.7 and 6.0).

**7.3 Procedure:** *The Robert's Rules of Order* shall be the formal procedure for the conduct of the Final Action Consideration except as these Rules of Procedure may otherwise dictate.

- 7.3.1 Open Meetings:** Public hearings for Final Action Consideration are open meetings. Any interested person may attend and participate in the Floor Discussion.
- 7.3.2 Agenda Order:** The Secretariat shall publish an agenda for Final Action Consideration, placing individual code change proposals and public comments in a logical order to facilitate the hearing. The proponents or opponents of any proposal or public comment may move to revise the agenda order as the first order of business at the public hearing, or at any time during the hearing except while another proposal is being discussed. Preference shall be given to grouping like subjects together and for moving items back to a later position on the agenda as opposed to moving items forward to an earlier position. A motion to revise the agenda order is subject to a 2/3 vote of those present and voting.
- 7.3.3 Presentation of Material at the Public Hearing:** Information to be provided at the hearing shall be limited to verbal presentations. Audio-visual presentations are not permitted. Substantiating material submitted in accordance with Section 6.4.4 and other material submitted in response to a code change proposal or public comment shall be located in a designated area in the hearing room.
- 7.3.4 Final Action Consent Agenda:** The final action consent agenda (see Section 7.2) shall be placed before the assembly with a single motion for final action in accordance with the results of the public hearing. When the motion has been seconded, the vote shall be taken with no testimony being allowed. A simple majority (50% plus one) based on the number of votes cast by eligible voters shall decide the motion.
- 7.3.5 Individual Consideration Agenda:** Upon completion of the final action consent vote, all proposed changes not on the final action consent agenda shall be placed before the assembly for individual consideration of each item (see Section 7.2).
- 7.3.6 Reconsideration:** There shall be no reconsideration of a proposed code change after it has been voted on in accordance with Section 7.3.8.
- 7.3.7 Time Limits:** Time limits shall be established as part of the agenda for testimony on all proposed changes at the beginning of each hearing session. Each person requesting to testify on a change shall be given equal time. In the interest of time and fairness to all hearing participants, the Moderator shall have limited authority to modify time limitations on debate. The Moderator shall have the authority to adjust time limits as necessary in order to complete the hearing agenda.
- 7.3.7.1 Time Keeping:** Keeping of time for testimony by an individual shall be by an automatic timing device. Remaining time shall be evident to the person testifying. Interruptions during testimony shall not be tolerated. The Moderator shall maintain appropriate decorum during all testimony.
- 7.3.8 Discussion and Voting:** Discussion and voting on proposals being individually considered shall be in accordance with the following procedures:
- 7.3.8.1 Allowable Final Action Motions:** The only allowable motions for final action are Approval as Submitted, Approval as Modified by one or more modifications published in the Final Action Agenda, and Disapproval.
- 7.3.8.2 Initial Motion:** The Code Development Committee action shall be the initial motion considered, unless there was a successful assembly action in accordance with Section 5.7.3. If there was a successful assembly action, it shall be the initial motion considered. If the assembly action motion fails, the code development committee action shall become the next motion considered.
- 7.3.8.3 Motions for Modifications:** Whenever a motion under consideration is for Approval as Submitted or Approval as Modified, a subsequent motion and second for a modification published in the Final Action Agenda may be made (see Section 6.4.3). Each subsequent motion for modification, if any, shall be individually discussed and voted before returning to the main motion. A two-thirds majority based on the number of votes cast by eligible voters shall be required for a successful motion on all modifications.
- 7.3.8.4 Voting:** After dispensing with all motions for modifications, if any, and upon completion of discussion on the main motion, the Moderator shall then ask for the vote on the main motion. If the motion fails to receive the majority required in Section 7.5, the Moderator shall ask for a new motion.
- 7.3.8.5 Subsequent Motion:** If the initial motion is unsuccessful, a motion for one of the other allowable final actions shall be made (see Section 7.3.8.1) and dispensed with until a successful final action is achieved. If a successful final action is not achieved, Section 7.5.1 shall apply.

**7.3.9 Proponent testimony:** The Proponent of a public comment is permitted to waive an initial statement. The Proponent of the public comment shall be permitted to have the amount of time that would have been allocated during the initial testimony period plus the amount of time that would be allocated for rebuttal. Where a public comment is submitted by multiple proponents, this provision shall permit only one proponent of the joint submittal to waive an initial statement.

**7.3.10 Points of Order:** Any person participating in the public hearing may challenge a procedural ruling of the Moderator. A majority vote of the eligible voters as determined in Section 5.7.4 shall determine the decision.

**7.4 Eligible voters:** ICC Governmental Member Representatives and Honorary Members in attendance at the Final Action Hearing shall have one vote per eligible attendee on all International Codes. Applications, whether new or updated, for governmental member voting representative status must be received by the Code Council ten days prior to the commencement of the first day of the Final Action Hearing in order for any designated representative to be eligible to vote.

**7.5 Majorities for Final Action:** The required voting majority based on the number of votes cast of eligible voters shall be in accordance with the following table:

Public Hearing Action (see note)	Desired Final Action		
	AS	AM	D
AS	Simple Majority	2/3 Majority	Simple Majority
AM	2/3 Majority	Simple Majority to sustain the Public Hearing Action or; 2/3 Majority on additional modifications and 2/3 on overall AM	Simple Majority
D	2/3 Majority	2/3 Majority	Simple Majority

Note: The Public Hearing Action includes the committee action and successful assembly action.

**7.5.1 Failure to Achieve Majority Vote:** In the event that a code change proposal does not receive any of the required majorities for final action in Section 7.5, final action on the code change proposal in question shall be disapproval.

**7.6 Publication:** The Final action on all proposed code changes shall be published as soon as practicable after the determination of final action. The exact wording of any resulting text modifications shall be made available to any interested party.

## 8.0 Appeals

**8.1 Right to Appeal:** Any person may appeal an action or inaction in accordance with CP-1.

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## 2009/2010 ICC CODE DEVELOPMENT CYCLE CROSS INDEX OF PROPOSED CODE CHANGES

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Some of the proposed code changes include sections that are outside of the scope of the chapters or the code listed in the table of 2009/2010 Staff Secretaries on page ix. This is done in order to facilitate coordination among the International Codes which is one of the fundamental principles of the International Codes.

Listed in this cross index are proposed code changes that include sections of codes or codes other than those listed on page ix. For example, IBC Section 402.16.5 is proposed for revision in Part II of code change F58-09/10, which is to be heard by the IFC Committee. This section of the IBC is typically the responsibility of the IBC General Committee as listed in the table of 2009/2010 Staff Secretaries. It is therefore identified in this cross index. Another example is Section 905.4 of the International Fire Code. The International Fire Code is normally maintained by the IFC Committee, but Section 905.4 will be considered for revision in proposed code change G31-09/10 and will be placed on the IBC General Committee agenda. In some instances, there are other subsections that are revised by an identified code change that is not included in the cross index. For example, numerous sections in Chapter 10 of the International Fire Code would be revised by the proposed changes to Chapter 10 of the IBC. This was done to keep the cross index brief enough for easy reference.

This information is provided to assist users in locating all of the proposed code changes that would affect a certain section or chapter. For example, to find all of the proposed code changes that would affect Chapter 7 of the IBC, review the proposed code changes in the Volume 1 monograph for the IBC Fire Safety Committee (listed with a FS prefix) then review this cross reference for Chapter 7 of the IBC for proposed code changes published in other code change groups. While care has been taken to be accurate, there may be some omissions in this list.

Letter prefix: Each proposed change number has a letter prefix that will identify where the proposal is published. The letter designations for proposed changes and the corresponding publications are as follows:

<b>PREFIX</b>	<b>PROPOSED CHANGE GROUP (see monograph table of contents for location)</b>
ADM	Administrative
E	International Building Code - Means of Egress
EB	International Existing Building Code
EC	International Energy Conservation Code
F	International Fire Code
FG	International Fuel Gas Code
FS	International Building Code - Fire Safety
G	International Building Code - General
M	International Mechanical Code
PC	ICC Performance Code
P	International Plumbing Code
PSD	International Private Sewage Disposal Code
PM	International Property Maintenance Code
RB	International Residential Code - Building
RE	International Residential Code - Energy
RM	International Residential Code - Mechanical
RP	International Residential Code - Plumbing
S	International Building Code - Structural
WUIC	International Wildland-Urban Interface Code
Z	International Zoning Code



<b>INTERNATIONAL BUILDING CODE</b>	
Chapter 1	ADM1 Part I
101.2	ADM2
101.3	ADM3
102.4	ADM4 Part I
104.10.1(New)	ADM5
105.2	ADM6 Part I
105.2.4	ADM7 Part I
106.1	S55-09/10
107.2	ADM9 Part I
107.2.2	ADM10
107.2.3	ADM11
107.2.6	ADM12
108.1	ADM13
109.3.10.1	ADM14 Part I
110.3	ADM8 Part II
110.3.6	ADM23 Part I (Heard by IBC-FS Committee)
110.6	ADM15 Part II
113.2.1	ADM5
117 (New)	ADM16 Part I
R202	EB3 , EB4
202	G2 Part I– Heard by Structural
303.1	E140, E141
Table 307.1(1)	F186, F187
307.2	F186, F190, F196
307.4	F187
402.11	F58, Part II
402.12.1	F58, Part II
402.16.5	F58, Part II
403.2.3	E5 – Part I
403.2.3.1	E5 – Part I
403.2.3.2	E5 – Part I
403.3.1.1 (IFC 914.3.1.1.1)	E5 – Part II
403.5.1	E5 – Part I
403.5.4	E5 – Part I
406.2.2	E151 Part I
406.6.6.1	F178
406.6.6.1.1 (New)	F178
408.3.8	E5 – Part I
410.5.3.1 (New)	E5 – Part I
414.2.1	F189
414.2.2	F190
Table 414.2.2	F189
414.2.4	F189
414.7.2 (IFC 2705.4.4)	E5 – Part II
Table 415.8.2.1.1	F165
415.8.2.6	F162, Part I
415.8.3	F167
415.8.4.6.2 (IFC 1803.12.1.2)	E5 – Part II
415.8.11.2	F161
416	F155
501.2	F18
505.3	E6
505.4	E6

705.2	E5 – Part I, E137
705.11	G81
707.3.2	E5 – Part I
707.3.3 (New)	E5 – Part I
707.3.10 new	G81
707.3.10 (New)	E132
707.4	E5 – Part I
707.5.1	G178
707.5.1	E5 – Part I
707.6	E5 – Part I
707.7.1	E5 – Part I
708.1	E5 – Part I
708.2	E5 – Part I
708.3 (New)	E5 – Part I
708.6	E5 – Part I
708.14.1	G44 Part I
709.1	G82
709.3	G81
709.4	G81
709.5	E5 – Part I
710.5	G15, G21
712.4	G178
717.3.2	G81
717.4.2	G81, G82
712.4	E5 – Part I
Table 715.4	E5 – Part I
715.4.4	E5 – Part I
715.4.6.1	E5 – Part I
715.4.7.2	E5 – Part I
716.5.1	F162, Part II
716.5.2	E5 – Part I
Table 803.9	E5 – Part I
804.4	E5 – Part I
804.4.1	E5 – Part I
806.1	F57
901.2.1	F62
901.6.3	F193, Part II
907.5.2.3.4	E151 Part II
909.5 (IFC 909.5, IMC 513.5)	E5 – Part II
911.1.2	F22
911.1.5	F23, F24, F25
911.1.5	G44 Part II
1006.1	G21
1007.1	EB10
1008.1.9.6	G65
1009.7	G67 – Heard by MOE
1013.1 (New)	FS154
1013.8 (New)	FS154
1015.1 and Table 1015.1	G16
1015.6	G67 – Heard by MOE
1015.6.1	G67 – Heard by MOE
1015.7 new	G16
1021.2	G16, G20
Table 1021.2	G20
1022.1	G52
1022.1	G67 – Heard by MOE

<b>IBC (continued)</b>	
1103.2.12	G16
1106.3	G65
1106.4	G65
1107.5.2	G22, G23
1107.5.3	G20
1107.6.4.1	G21
1110.3	G177 – Heard by MOE
Table 1604.5	G65
1703.5.4 (New)	FS101
1704.16	F135
1704.16.1	F135
1704.16.2	F135
2303.3 (New)	FS133
2606.7	E5 – Part I
2702 (New)	F31
2702.2.21 (New)	F33
2902.4	E151 Part III
2902.1	P20
Table 2902.1	P21, P22, P23, P24
2902.2	P25
2902.2.1 (New)	P26
2902.3	P27
2902.4.1	P28
2902.3.5 (New)	P30
2902.5 (New)	P31
2902.3.2	P35
2902.1.3	P46
2902.3	P162
3001.3	E151 Part I
3003.3 (New)	F20, Part II
3007.4.1	E5 – Part I
3007.5	E5 – Part I
3008.11.1	E5 – Part I
3108.1	S85-09/10
3403.5 (New)	F114, Part II
3404.6	E20 Part I, E21 Part I
3404.7 (New)	F114, Part II
3405.2	EB6
3405.2.1	EB6
3405.3.1	EB8 , EB9
3408.4	S41-09/10
3411.1	EB11 , EB14
3411.1	E156 Part I
3411.4	EB10 , EB11 , EB14 , EB32
3411.4.1	EB10 , EB32
3411.4.2	EB10 , EB14 , EB32 , EB33
3411.5	EB10 , EB11
3411.6	EB10 , EB11 , EB14
3411.6	E151 Part I
3411.7	EB14
3411.7 (New)	EB11
3411.8	EB11
3411.8	E 152 Part I
3411.8 (New)	EB10
3411.8.1(New)	EB10
3411.8.5	EB11
3411.8.8	EB14

3411.8.9	EB11 , EB14
3411.8.15 (New)	E 152 Part I
3411.8.15.1 (New)	E 152 Part I
3411.8.15.2 (New)	E 152 Part I
3411.8.16 (New)	E 152 Part I
3411.9	EB10 , EB14
3412.2.5	EB14
3412.6.11	E20 Part I, E21 Part I
Table 3412.6.11(1)	E20 Part I, E21 Part I
Chapter 35	F58, Part II
Chapter 35	ADM39
K101.3	ADM3
Appendix I	G2 – Heard by IBC -S
Appendix L (New)	F236, Part II
Appendix L (New)	S108-09/10
<b>INTERNATIONALENERGY CONSERVATION CODE</b>	
Chapter 1	ADM1 Part III
101.3	ADM3, ADM24 (Heard by IECC Committee)
101.4.4	ADM27 (Heard by IECC Committee)
101.4.6	ADM25 (Heard by IECC Committee)
101.5.1	ADM17
101.5.2	ADM26 (Heard by IECC Committee)
102.1.1	ADM28 (Heard by IECC Committee) ADM31 (Heard by IECC Committee)
102.1.2	ADM29 (Heard by IECC Committee)
103.1	ADM17
103.2	ADM9 Part I
104.2	ADM15 Part I
106.1	ADM4
110	ADM16 Part I
Ch. 6	ADM39
<b>INTERNATIONAL EXISTING BUILDING CODE</b>	
Chapter 1	ADM1 Part II
101.2	ADM2
101.3	ADM3
Table 101.5.4.1	S41-09/10
101.5.4.2	S41-09/10
Table 101.5.4.2	S41-09/10
101.5.4.2	ADM32 (Heard by IBC-S Committee) ADM33 (Heard by IBC-S Committee)
102.4	ADM4
106.2.1	ADM9 Part I
107.1	ADM13
109.3.6(New)	ADM23
109.6	ADM15 Part I
118	ADM16 Part I

<b>IEBC (continued)</b>	
202	S91-09/10
301.1	G187
301.1.1	G188
301.2	G190 – Heard by IBC –S
301.2.1	G191 – Heard by IBC-S
301.2.3	G190 – Heard by IBC – S
301.3	G192 – Heard by IBC-S
302.4.1	G190 – Heard by IBC – S
302.5 (New)	F114, Part III
303.4.1	G190 – Heard by IBC-S
303.6	E20 Part I, E21 Part I
303.7 (New)	F114, Part III
304.1.1	G192 – Heard by IBC-S
304.2	G193, G194 – Both heard by IBC-S
304.2.1	G190, G193, G194 – All heard by IBC - S
304.2.2	G193, G194 – Both heard by IBC-S
304.2.3	G193, G194, G195 – All heard by IBC-S
304.3	G193 – Heard by IBC-S
304.3.1	G193 – Heard by IBC-S
304.3.2	G193 – Heard by IBC-S
304.4	G193, G194 – Both heard by IBC-S
304.5	G193, G196 – Both heard by IBC-S
307.4	G190, G197 – Both heard by IBC-S
307.4	S41-09/10
309.1	G198, G199
310.1	E156 Part I
310.6	E151 Part I
310.8	E152
310.8.8	G200 – Heard by MOE
310.8.15 (New)	E152
310.8.15.1 (New)	E152
310.8.15.2 (New)	E152
310.8.16 (New)	E152
605.1	E 151 Part IV, E152 Part II, E156 Part II
605.1.15 (New)	E152 Part II
605.1.15.1 (New)	E152 Part II
605.1.15.2 (New)	E152 Part II
605.1.16 (New)	E152 Part II
704.4.3	F114, Part III
907.3.1	S41-09/10
907.3.2	S41-09/10
1004.1	F114, Part III
1202.2	S146-09/10
1202.2.1	S146-09/10
1301.6.2.1	G201
1301.6.14	G202
1301.6.14.1	G202
1301.6.19	G203
1301.6.11	E20 Part I, E21 Part I
Table 1301.6.11(1)	E20 Part I, E21 Part I

1401.3.1 new	G184
1401.5 new	G185
Chapter 15	ADM39
A102.2	S41-09/10
<b>INTERNATIONAL FIRE CODE</b>	
Chapter 1	ADM1 Part IV
101.2	ADM19
101.3	ADM3
102.5	ADM20
102.7	ADM4
105.1.1	ADM21
105.4.2	ADM9 Part I
105.4.2.1	ADM10
105.4.3	ADM9 Part I
105.6.2	ADM34 (Heard by IFC Committee)
107.2.1	ADM35 (Heard by IFC Committee)
114 (New)	ADM16 Part I
202	
Def of Group A	G10, G11, G12, G13, G14
Def of Group B	G6, G15
Def of Group E	G16
Def of Group F	G18, G19
Def of Group I	G16, G20, G21, G22, G23, G24
Def of Group M	G25
Def of Group R	G20, G21, G22, G23, G26, G27, G28, G29
Def of Group S	G19
508.1.5 (IBC 911.1.5)	G44, Part II
603.4	M8 PII
607.4	G153, Part II
803.8	FS136 Part II
901.4.3 (New)	FS29
903.2.2	G15
903.2.3	G15
903.2.4.2 (new)	G19
903.2.6	G16, G20, G21
903.2.6.1	G21
903.2.8	G20
903.2.9.1	G19
903.3.1.3	G20
903.3.2	G20
904.5.2.3.3	G21
905.3.3.	G31
905.4	G31
907.2.2	G15
907.2.2.1	G15
907.2.6	G20
907.2.6.2	G20
907.5.2.3.4	E151 Part II
909.5 (IBC 909.5, IMC 513.5)	E5 – Part II
914.3.1.1.1 (IBC 403.3.1.1 )	E5 – Part II

<b>IFC (continued)</b>	
914.6.1	G70 – Heard by IFC
914.8.2.2	G71 – Heard by IFC
Chapter 10 See IBC MOE changes	
1007.1	EB10
1030.4.1	E93 Part II
1404.5	G185 Part II
IFC 1803.12.1.2 (IBC 415.8.4.6.2)	E5 – Part II
2303.2	G64
IFC 2705.4.4 (IBC 414.7.2)	E5 – Part II
3904.1.2	G73 Part II – Heard by IFC
4604.7	E20 Part II, E21 Part II
Table 4604.7	E20 Part II, E21 Part II
Chapter 47	ADM39
<b>INTERNATIONAL FUEL GAS CODE</b>	
Chapter 1	ADM1 Part V
101.4	ADM3
102.8	ADM4
107.2	ADM8 Part I
111 (New)	ADM16 Part I
301.11	S92-09/10, Part III
306.5	M11, M12
306.5.1	M13
410.4 (New)	F148, Part II
Chapter 8	ADM39
<b>INTERNATIONAL MECHANICAL CODE</b>	
Chapter 1	ADM1 Part VI
102.8	ADM4
102.3	ADM36 (Heard by IMC Committee)
102.4	ADM37 (Heard by IMC Committee)
107.2	ADM8 Part I
202	FG14 PII
301.3 thru 301.5	FG14 PII
301.6	FG10 PI
301.13	S92-09/10, Part IV
307.3	FG11 PI
401.4	S92-09/10, Part IV
501.2.1	S92-09/10, Part IV
502.4	F43
502.5	F43
502.5.2	F43
502.8.4	F194
502.10.2	F162, Part I
510.7	F161, Part II
513.3	F135
513.10.2	F137
513.12	F138
513.12.1	F139
513.13.1	F140
602.4	S92-09/10, Part IV
603.13	S92-09/10, Part IV
606.2	F120

606.2.1 (New)	F120
606.2.2	F120
607.1	FS108, FS117
607.1.1	FS108, FS117
607.2	FS108, FS117
607.2.1	FS117
607.2.2	FS108, FS117
607.3.1	FS70, FS109
607.3.2.2	FS110
607.3.2.3	FS110
607.5	FS117
607.5.1	FS117
607.5.1	F162, Part II
607.5.1.1	FS117
607.5.2	FS117
607.5.2.1	FS117
607.5.3	FS114, FS117
607.5.4	FS117
607.5.5	FS111, FS112, FS113, FS117
607.5.6	FS117
607.5.7	FS117
607.6	FS117
607.6.1	FS115, FS117
607.6.2	FS117
607.6.2.1	FS117
607.6.3	FS116, FS117
607.7	FS117
918.6	FG32 PII
513.5 (IBC 909.5, IFC 909.5)	E5 – Part II
IMC 601.2 (IBC 1018.5, IFC 1018.5)	E116
1106.5	F39
1106.5.1	F39
1305.2.1	S92-09/10, Part IV
<b>INTERNATIONAL PLUMBING CODE</b>	
Chapter 1	ADM1 Part VII
101.3	ADM3
102.8	ADM4
107.2	ADM8 Part I
111 (New)	ADM16 Part I
202	FS124 Part II
309.2	S92-09/10, Part II
Table 403.1	G16, G20, G65
403.1	G16
403.2	G16
403.4	E151 Part III
1107.1	S2-09/10, Part I (Heard by IPC)
Chapter 13	ADM39
<b>INT. PRIVATE SEWAGE DISPOSAL CODE</b>	
Chapter 1	ADM1 Part IX
101.3	ADM3
102.10	ADM4
105.4	P1 Part II

<b>IPSDC (continued)</b>	
105.4.1	P1 Part II
105.4.2	P1 Part II
105.4.3	P1 Part II
105.4.4	P1 Part II
105.4.5	P1 Part II
105.4.6	P1 Part II
111 (New)	ADM 16 Part I
Section 304 (New)	P1 Part II
<b>INTERNATIONAL PROPERTY MAINTENANCE CODE</b>	
Chapter 1	ADM1 Part VIII
101.3	ADM3
102.3	ADM22
102.7	ADM4
108.1.3	ADM38 (Heard by IPMC Committee)
110.1	ADM38 (Heard by IPMC Committee)
113 (New)	ADM16 Part I
304.18.1	E60 Part II
606.1	G153 Part III
704.2	F114, Part I
704.3	F114, Part I
704.4	F114, Part II ; F115
Chapter 8	ADM39
<b>INTERNATIONAL RESIDENTIAL CODE</b>	<b>Note:</b> All Code Change Parts for IRC are heard by the applicable IRC Committee except ADM39
Chapter 1	ADM 1 Part XII
R101.2	G28 Part II
R101.4	ADM3 Part II
R102.4	ADM4 Part II
R105.2	ADM6 Part II
R105.2.4 (New)	ADM7 Part II
R106.1.1	ADM9 Part II
R109.1.6.1	ADM14 Part II
R109.4	ADM15 Part II
110.3	ADM8 Part I
R115 (New)	ADM16 Part II
R202	FS124 Part III
R202	FG14 PIII
R202	M1 PII
R202	E8 Part II, E100 Part II, E156 Part III, E194 Part II
R202	F108, Part II; F132, Part II
R202	P2 Part II, P92 Part II, P128 Part II, P152 Part II
R202	G2 Part II, G5 Part II, G28 Part II
301.13	S92-09/10, Part IV
Figure R301.2(2)	S97-09/10, Part II
R301.2.1.1	S87-09/10, Part II
Table R301.5	S57-09/10, Part II, S61-09/10, Part II, S62-09/10, Part II, S66-09/10, Part II

R302.1	FS155 Part II
R302.1.2	FS155 Part II
R302.6	G56 Part II
R302.11.1	FS118 Part II
R308.3.1	S219-09/10, Part II
R308.4	S218-09/10, Part II
R308.4.1 (New)	S218-09/10, Part II
R308.4.2 (New)	S218-09/10, Part II
R308.4.3 (New)	S218-09/10, Part II
R308.4.4 (New)	S218-09/10, Part II
R308.4.5 (New)	S218-09/10, Part II
R308.4.6 (New)	S218-09/10, Part II
R308.4.7 (New)	S218-09/10, Part II
R308.6.1	S144-09/10, Part II
R310.1	E150 Part II
R311.2	E60 Part III
R311.2.1 (New)	E60 Part III
R311.3.1	E58 Part II
R311.4	E122 Part II
R311.7.4	E70 Part II, E71 Part II, E72 Part II
R311.7.4.1	E74 Part II
R311.7.4.2	E74 Part II
R311.7.4.3	E75 Part II
R311.7.4.3.1 (New)	E75 Part II
R311.7.4.3.2 (New)	E75 Part II
R311.7.4.3.3 (New)	E75 Part II
R311.7.7.3	E97 Part II
R312.2	E100 Part II
R314.1	F108, Part II; F112, Part II
R314.2	F108, Part II
R314.3	F108, Part II; F115, Part II
R314.4	F108, Part II; F115, Part II
R314.5	F115, Part II
R314.5 (New)	F116, Part II
R314.5.1 (New)	F116, Part II
R314.5.2 (New)	F116, Part II
R314.5.3 (New)	F116, Part II
R315	F132, Part II
R316.4	FS160 Part II
R316.5.3	FS168 Part II, FS169 Part II
R316.5.4	FS168 Part II, FS169 Part II
R316.5.13 (New)	FS171 Part II
R316.7	FS176 Part II
R316.8	FS176 Part II
R317.3	S203-09/10, Part II
R317.3.1	S203-09/10, Part II
R317.3.2	S203-09/10, Part II
R317.3.3	S203-09/10, Part II
R317.3.4	S203-09/10, Part II
R317.4.1 (New)	S207-09/10, Part II
R317.4.2	S207-09/10, Part II
R320.2 (New)	E156 Part III
R402.2	S162-09/10, Part II
R403.3.4	FS176 Part II
R404.1.2.3.6.1	FS176 Part II
R503.2.1	S200-09/10, Part II
R503.2.1.1	S200-09/10, Part II

<b>IRC (continued)</b>	
Table R601.3.1	FS147 Part II
R602.3	S200-09/10, Part II
R602.9	S214-09/10, Part II
R604.1	S199-09/10, Part II
R606.1	S171-09/10, Part II
R606.1.1	S171-09/10, Part II
R606.12.1	S171-09/10, Part II
R606.12.3.1	S171-09/10, Part II
R702.2.1	S222-09/10, Part II
R702.2.2	S222-09/10, Part II
R702.3.1	S222-09/10, Part II
R702.4.2	S224-09/10, Part II
R703.1.1	FS140 Part II
R703.3	FS156 Part II
R703.4	FS156 Part II
R703.4	S199-09/10, Part II
Table R703.4	FS156 Part II
R703.5.1	FS156 Part II
R703.6.1	FS156 Part II
R703.6.3	S225-09/10, Part II
R703.7.4.1	FS156 Part II
R703.11.2	FS156 Part II
R703.11.2.1	FS156 Part II
R703.11.2.2	FS156 Part II
R703.11.2.3	FS156 Part II
R703.12	FS150 Part II, FS151 Part II
703.12.1	FS150 Part II, FS151 Part II
R802.1.3	S201-09/10, Part II
R802.1.3.1	S201-09/10, Part II
R802.1.3.2	S201-09/10, Part II
R802.1.3.3	S201-09/10, Part II
R803.2.1	S200-09/10, Part II
R806.1	G146 Part II
R806.2	G145 Part II
R903.2.2	S3-09/10, Part II
R903.4	S2-09/10, Part III (heard by IRC Plumbing)
R903.4.1	S2-09/10, Part III (heard by IRC Plumbing)
Table R905.2.4.1(2)	S14-09/10, Part II
R905.2.7.2	S15-09/10, Part II
R905.2.8.5 (New)	S16-09/10, Part II
R905.3.3.3	S15-09/10, Part II
R905.4.3.2 (New)	S15-09/10, Part II
R905.4.5.1 (New)	S17-09/10, Part II
R905.5.3.2 (New)	S15-09/10, Part II
R905.6.3.2 (New)	S15-09/10, Part II
R905.7.3.2 (New)	S15-09/10, Part II
R905.8.3.2 (New)	S15-09/10, Part II
R905.9.2	S18-09/10, Part II
R905.10.5.1 (New)	S15-09/10, Part II
R905.14.3	S20-09/10, Part II
Table R905.14.3 (New)	S20-09/10, Part II
R905.15	S21-09/10, Part II
R905.15.1	S21-09/10, Part II
R905.15.2	S21-09/10, Part II

R905.15.3	S21-09/10, Part II
R905.16 (New)	S22-09/10, Part III, S23-09/10, Part II
R905.16.1 (New)	S22-09/10, Part III, S23-09/10, Part II
R905.16.1.1 (New)	S23-09/10, Part II
R905.16.2 (New)	S22-09/10, Part III
R905.16.3 (New)	S22-09/10, Part III
R907.3	S30-09/10, Part II
R1003.9.1 (New)	S182-09/10, Part II
R1003.9.3 (New)	S182-09/10, Part II
R1003.11.1	M114 PII
R1005.7	M117 PII
R1004.2	M119 PII
T N1101.2	EC1 Part II
N1101.4.2.1(New)	EC2 Part II
N1101.6	EC4
Chapter 11	EC11 Part II, EC 13 Part II, EC16, Part II, EC19 Part II, EC25 Part II
N1101.2.2	EC21
N1101.7	EC28
N1101.9	EC22 Part II, EC23 Part II
N1102	EC26
N1102.1	EC31
N1103.2.1	EC26
Table N1102.1, Table N1102.1.2, Table1102.2.5	EC27, EC29, EC30, EC31, EC32, EC34, EC35, EC36, EC38, EC39, EC40, EC41, EC42, EC43, EC45, EC46, EC47, EC48, EC50, EC54, EC55, EC60, EC102 (All Part II)
Table N1102.1.4 (New) N1102.1.4(New)	EC56 Part II
N1102.2.2	EC59 Part II
N1102.2.2.1(New)	EC64 Part II
N1102.2.3 (New)	EC63 Part II
Table N1102.2.5	EC66 Part II
N1102.2.11	EC68 Part II
N1102.2.12(New)	EC69 Part II
Table N1102.4.2	EC26 Part II, EC59 Part II
Table N1102.1.4 (New) N1102.1.4(New)	EC57 Part II
N1102.3 (New)	EC71 Part II
N1102.3.3 (New)	EC72 Part II
N1102.3.3 (New)	EC73 Part II
N1102.3.3 (New)	EC74 Part II
N1102.3.4	EC76 Part II
N1102.3.5	EC68 Part II
N1102.3.6 (New)	EC96 Part II
N1102.3.7(New)	EC78 Part II
N1102.4.1	EC79, EC82, EC83
N1102.4.1.1(New)	EC79 Part II
N1102.4.1.2 (New)	EC79 Part II
N1102.4.2	EC81, EC82, EC83, EC86, EC90

<b>IRC (continued)</b>	
N1102.4.2.1.1 (New)	EC80 Part II
N1102.4.2.1.1 (New)	EC87 Part II
N1102.4.3	EC79 Part II, EC89 Part II
N1102.4.4	EC91 Part II
N1102.4.5	EC92 Part II
N1102.4.6	EC84
N1103.1	EC100 Part II
N1103.1.1	EC101 Part II
N1103.1.3 (New)	EC100 Part II
N1103.2.1	EC103 Part II
N1103.2.2	EC103, EC104, EC107 (All Part II)
N1103	
N1103.2.3	EC103 Part II, EC109 Part II,
N1103.3	EC117 Part II
N1103.3	EC123 Part II
N1103.4	EC115 Part II, EC116
N1103.4 (New)	EC114 Part II
N1103.4 (New)	EC118 Part II
N1103.4.1	EC112 Part II
N1103.4.2	EC112 Part II
N1103.5	EC79 Part II, EC131 Part II
N1103.5 (New)	EC119 Part II
N1103.5.1	EC99 Part II
N1103.6	EC120 Part II
T N1103.6 (New)	EC121 Part II
N1103.8	EC124 Part II
N1103.9	EC125 Part II
N1103.10 (New)	EC126 Part II
N1104 (New)	EC131 Part II
N1104.1	EC127, EC129, EC130 (All Part II)
N1104.1.1	EC18
M1301.2 thru M1301.5	FG14 PIII
M1303.1	M6 PII
M1303.1	FG10 PIII
M1307.3, P2801.6	M10 PII
M1401.1	M9 PII
M1407.1	M121 PII
M1411.5	FG11 PIII
M1411.6	M130 PII, M131 PII
M1411.6.1	M133 PII
M1413.1	M126 PII
M1413.2	M126 PII
M1502.4.1	M35 PII, M36 PII
M1502.4.2	M35 PII
M1502.4.4.1	M35 PII
M1502.4.4	M38 PII, M39 PII, M40 PII
M1502.4.4.2	M38 PII
M1502.4.4.3	M39 PII, M40 PII
M1503.1	M45 PII
M1503.2	M46 PII
M1506.1	M31 PII
M1601.1.1	M97 PII
Table M1601.1.1(2)	M98 PII

M1601.1.2	M102 PII, M103 PII
M1601.4.1	M105 PII
M1601.4	M110 PII
M1601.3	M111 PII, M112 PII
M1602.2	FG32 PIII
M2005.1	M127 PII
M2001.1.1	M128 PII
Table M2101.1	M140 PII, M141 PII, M142 PII
M2104.5	M148 PII
M2201.5	M151 PII
M2201.5	M151 PII
M2204.2	M152 PII
P2503.6	P18 Part II
P2503.8.2	P19 Part II, P106 Part II
P2601.2	P152 Part II
P2603.3	P8 Part II
P2603.4	P16 Part II
P2603.5	P10 Part II
Table P2605.1	P70 Part II
P2608.1	P7 Part II
P2608.4	P7 Part II
Table P2608.4	P7 Part II
Table P2701.1	P37 Part II
P2706.1	P121 Part II
P2708.1.1	P52 Part II
P2708.4 (New)	P53 Part II
P2709.2.1	P54 PartII
P2709.2.2	P54 PartII
P2709.2.4 (New)	P55 PartII
P2713.1	P40 Part II, P41 Part II
P2721.2	P42 Part II
P2722.5 (New)	P60 Part II
P2724.1 (New)	P61 Part II
P2803.6	P62 Part II
P2803.6 (New)	P63 Part II
P2803.6.1	P64 Part II
P2801.1.2	EC122 Part II
P2801.5	P65 Part II. P66 Part II P67 Part II
P2801.5.1	P67 Part II
P2801.5.3 (New)	P158 Part II
P2901.1	P87 Part II
P2902.1	P102 Part II
Table P2902.3	P83 Part II, P93 Part II
P2902.3.2	P93 Part II
P2902.3.3	P103 Part II
P2902.3.4	P96 Part II, P104 Part II
P2902.3.5	P95 Part II
P2902.3.6	P94 Part II
P2902.4	P94 Part II
P2902.4.2	P94 Part II
P2902.4.3	P86 Part II
P2902.5.1	P103 Part II
P2902.5.2	P154 Part II, P160 Part II
P2902.5.3	P100 Part II

<b>IRC (continued)</b>	
P2902.5.4	P99 Part II
P2902.5.4.1	P99 Part II
P2902.5.5	P94 Part II
P2902.6	P90 Part II
P2903.3.1	P157 Part II
P2903.5	P72 Part II
P2503.5.1	P156 Part II
Table P2903.6(1)	P153 Part II
P2903.9.5	P86 Part II
P2903.11 (New)	P75 Part II
P2904.3.1	P70 Part II
P2904.4.3	P94 Part II
Table P2904.6.2(8)	P70 Part II
Table P2904.6.2(9)	P70 Part II
P2905.4	P69 Part II
Table P2905.4	P68 Part II, P70 Part II
Table P2905.5	P70 Part II, P71 Part II
Table P2905.6	P70 Part II
P2905.9.1.2	P84 Part II
P2905.19 (New)	P70 Part II, P73 Part II
P2905.19.1(New)	P70 Part II
P2905.19.2 (New)	P70 Part II
P2908.1	P108 Part II
P2908.2	P108 Part II
P3001.4 (New)	P109 Part II
P3002.3.1	P111 Part II
P3003.9.2	P110 Part II
P3003.14.2	P110 Part II
P3003.19	P36 Part II
P3007.3.2.1 (New)	P114 Part II
P3007.3.3 (New)	P115 Part II
P3007.3.3.1 (New)	P115 Part II
P3007.3.3.2 (New)	P115 Part II
P3007.3.5	P116 Part II
P3009 (New)	P152 Part II
P3103.4	P124 Part II
P3103.5	P159 Part II
P3111.2	P128 Part II
P3111.3	P127 Part II
P3113.4.1	P131 Part II
P3201.5	P135 Part II
P3201.2	P136 Part II
Chapter 44	P60 Part II, P68 Part II, P69 Part II, P70 Part II, P71 Part II, P73 Part II, P83 Part II, P106 Part II, P108 Part II, P135 Part II, P136 Part II, P157 Part II
Chapter 44	F108, Part II; F132, Part II
Chapter 44	ADM39
Appendix H	G2 Part II
Appendix K	G147 Part II
Appendix L	G204 Part II

<b>INT. WILDLAND-URBAN INTERFACE CODE</b>	
Chapter 1	ADM1 Part X
101.3	ADM3
102.4	ADM4
115 (New)	ADM16 Part I
Chapter 15	ADM39
<b>INTERNATIONAL ZONING CODE</b>	
Chapter 1	ADM1 Part XI
101.2	ADM3
112 (New)	ADM16 Part I
Chapter 14	ADM39



# 2009/2010 ICC CODE DEVELOPMENT HEARING SCHEDULE

## October 24 – November 11, 2009

### Hilton Baltimore

Unless noted by “Start no earlier than X am/pm,” each Code Committee will begin immediately upon completion of the hearings for the prior Committee. Thus the actual start times for the various Code Committees are tentative. The hearing volume is higher than previous cycles. The schedule anticipates that the hearings will finish by the times noted as “Finish” for each track and each week.

#### CODE DEVELOPMENT HEARINGS: OCTOBER 24 - 31

	Saturday October 24	Sunday October 25	Monday October 26	Tuesday October 27	Wednesday October 28	Thursday October 29	Friday October 30	Saturday October 31
TRACK 1	Start 8 am IWUIC IFC End 8 pm	Start 10 am IFC End 8 pm	Start 8 am IFC IRC-Energy (Start no earlier than 1 pm) End 8 pm	Start 8 am IRC – Energy End 8 pm	Start 8 am IRC-Building (Start no earlier than 8 am) End 8 pm	Start 8 am IRC- Building End 8 pm	Start 8 am IRC – Building Admin (Start no earlier than 3 pm) End 8 pm	Start 8 am Admin Finish 3 pm
	Start 8 am IBC- Structural End 8 pm	Start 10 am IBC- Structural End 8 pm	Start 8 am IBC- Structural End 8 pm	Start 8 am IBC- Structural End 8 pm	Start 8 am IECC (Start no earlier than 8 am) End 8 pm	Start 8 am IECC End 8 pm	Start 8 am IECC End 8 pm	Start 8 am IECC Finish 8 pm

#### ANNUAL CONFERENCE: NOVEMBER 1 - 4

#### CODE DEVELOPMENT HEARINGS: NOVEMBER 4 - 11

	Wednesday November 4	Thursday November 5	Friday November 6	Saturday November 7	Sunday November 8	Monday November 9	Tuesday November 10	Wednesday November 11
TRACK 1	Start 8 am IPM/ZC IEBC IBC-Fire Safety End 5 pm	Start 8 am IBC-Fire Safety End 8 pm	Start 8 am IBC – Fire Safety IBC – General (Start no earlier than 3 pm) End 8 pm	Start 8 am IBC - General End 8 pm	Start 10 am IBC – General IBC – Egress (Start no earlier than 3 pm) End 8 pm	Start 8 am IBC - Egress End 8 pm	Start 8 am IBC - Egress End 8 pm	Start 8 am IBC - Egress Finish 12 pm
	Start 8 am IPC/IPSDC End 5 pm	Start 8 am IPC/IPSDC End 9 pm	Start 8 am IMC (Start no earlier than 8 am) End 9 pm	Start 8 am IMC IRC- Plumbing/ Mechanical (Start no earlier than 1 pm) End 9 pm	Start 10 am IRC – Plumbing/ Mechanical End 9 pm	Start 8 am IRC – Plumbing/ Mechanical IFGC (Start no earlier than 8 am) Finish 9 pm	NO HEARINGS TRACK 2 COMPLETED	

**Notes:**

- Hearing times may be modified at the discretion of the Chairman. Breaks will be announced.
- Proposed code changes submitted to the International Wildland-Urban Interface Code (IWUIC) to be heard by the IFC Committee.
- Proposed code changes submitted to the International Zoning (Z) and Property Maintenance (PM) Codes to be heard by the IPM/Z Committee.
- “Admin” is a new code committee who will hear changes that affect coordination of Chapter 1 of all the I-Codes, except the IRC, and referenced standards updates.

**2009/2010 PROPOSED CHANGES  
TO THE INTERNATIONAL CODES**

CODE	PAGE
Administrative Provisions (All Codes) .....	ADM1
<b>International Building Code</b>	
Fire Safety .....	IBC-FS1
General .....	IBC-G1
Means of Egress .....	IBC-E1
Structural .....	IBC-S1
International Energy Conservation Code.....	EC1
International Existing Building Code .....	EB1
International Fuel Gas Code.....	FG1
International Fire Code .....	F1
International Mechanical Code .....	M1
International Plumbing Code .....	P1
International Private Sewage Disposal Code .....	PSD1
International Property Maintenance Code .....	PM1
<b>International Residential Code</b>	
Building/Energy .....	IRC-RB1
Plumbing .....	IRC-RP1
Mechanical .....	IRC-RM1
International Wildland-Urban Interface Code (To be heard by the IFC Committee).....	WUIC1
International Zoning Code (To be heard by the IPM/IZC Committee) .....	Z1



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Hearings: October 24–31 and November 4–11  
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Conference: November 1–4  
Baltimore Convention Center

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1:15 pm–4:15 pm

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**Tuesday, November 3**

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### NORTH CAROLINA

- Code Officials Qualification Board  
Requires Driver's License # \_\_\_\_\_  
ID Number \_\_\_\_\_

### OHIO

- Ohio Department of Commerce, Board of Building Standards  
ID Number \_\_\_\_\_
- Ohio Department of Commerce, Division of Industrial Compliance, Plumbing Section  
ID Number \_\_\_\_\_

### OKLAHOMA

- Construction Industries Board, Inspector Examining Committee  
ID Number \_\_\_\_\_

### PENNSYLVANIA

- Department of Labor and Industry  
ID Number \_\_\_\_\_

### RHODE ISLAND

- State Building Code Commission  
ID Number \_\_\_\_\_

### SOUTH CAROLINA

- Department of Labor, Licensing and Regulation Board of Building Codes Council  
ID Number \_\_\_\_\_

### TENNESSEE

- Commerce and Insurance, Fire Prevention Division (aka State Fire Marshal's Office)  
ID Number \_\_\_\_\_

### TEXAS

- Department of Licensing and Regulation, Electrical Safety and Licensing Advisory Board  
ID Number \_\_\_\_\_

### UTAH

- Division of Occupational and Professional Licensing, Contractor Licensing  
ID Number \_\_\_\_\_

### WISCONSIN

- Safety and Buildings Division  
ID Number \_\_\_\_\_

- AMERICAN INSTITUTE OF ARCHITECTS**  
ID Number \_\_\_\_\_

- AMERICAN SOCIETY OF HOME INSPECTORS**  
ID Number \_\_\_\_\_

- INTERNATIONAL CODE COUNCIL**  
ID Number \_\_\_\_\_

- OTHER**  
ID Number \_\_\_\_\_

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## **2009/2010 PROPOSED CHANGES TO THE INTERNATIONAL WILDLAND-URBAN INTERFACE CODE**

Proposed changes to the *International Wildland-Urban Interface Code* are heard by the International Fire Code Committee. See the tentative order of discussion for the International Fire Code Committee on page F2.

# WUIC1-09/10

## 403.4.1

**Proponent:** Lawrence Brown, CBO, National Association of Home Builders

**Revise as follows:**

**403.4.1 Sign construction.** All road identification signs and supports shall be of noncombustible materials. Signs shall be 6 inch (152 mm) minimum in height. ~~have minimum 4-inch-high (102 mm) reflective~~ Letters shall be 4 inch (102 mm) minimum in height with a 1/2 inch (12.7 13 mm) minimum stroke. ~~Letters shall be of the reflecting type and be on a contrasting background color.~~ ~~6-inch-high (152 mm) sign.~~ Road identification signage shall be mounted at a height of 7 feet (2134 mm) in height measured from the road surface to the bottom of the sign.

**Reason:** This is an editorial change related to format of text, and to provide clarity as to the intent of the provision. The term "background color" adds clarity as to *contrasting* with the reflective letters. The term "minimum" is added to height for mounting the sign. Without the term "minimum" the height is absolute at 7 feet (cannot be more or less).

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

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

ICCFILENAME: BROWN-WUIC1-403.4.1.DOC

# WUIC2-09/10

## 501.3 (New), Chapter 7

**Proponent:** Marcelo M. Hirschler, GBH International, representing American Fire Safety Council

**1. Add new text as follows:**

**501.3 Fire-resistance rated construction.** Where this code requires 1-hour fire-resistance-rated construction, the fire-resistance rating of building elements, components or assemblies shall be determined in accordance with the test procedures set forth in ASTM E 119 or UL 263.

**2. Add new standards to Chapter 7 as follows:**

### ASTM

E 119-2008a      Standard Test Methods for Fire Tests of Building Construction and Materials

### UL

263-03              Standard for Fire Test of Building Construction and Materials

**Reason:** In several locations in Chapter 5 of the IWUIC there are requirements for 1-hour fire-resistance-rated construction but the corresponding test methods are not explicitly stated. Throughout the ICC codes fire resistance ratings are assessed based on ASTM E 119 or UL 263, which are basically equivalent standards.

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

**Analysis:** ASTM E119 and UL 263 are currently referenced in the IBC.

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

ICCFILENAME: HIRSCHLER-WUIC1-501.3.DOC

# WUIC3–09/10

## 503.2, Chapter 7

**Proponent:** John Scott, Roxul, Inc.

### 1. Revise as follows:

**503.2 Ignition-resistant building material.** Ignition-resistant building materials shall comply with any one of the following:

1. Extended ASTM E 84 testing. Materials that, when tested in accordance with the test procedures set forth in ASTM E 84 or UL 723, for a test period of 30 minutes, comply with the following:
  - 1.1. Flame spread. Material shall exhibit a flame spread index not exceeding 25 and shall show no evidence of progressive combustion following the extended 30 minute test.
  - 1.2. Flame front. Material shall exhibit a flame front that does not progress more than 10½ feet (3200 mm) beyond the centerline of the burner at any time during the extended 30 minute test.
  - 1.3. Weathering. Ignition-resistant building materials shall maintain their performance in accordance with this section under conditions of use. Materials shall meet the performance requirements for weathering (including exposure to temperature, moisture and ultraviolet radiation) contained in the following standards, as applicable to the materials and the conditions of use:
    - 1.3.1. Method A “Test Method for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing” in ASTM D 2898, for fire-retardant-treated wood, wood-plastic composite and plastic lumber materials.
    - 1.3.2. ASTM D7032 for wood-plastic composite materials.
    - 1.3.3. ASTM D 6662 for plastic lumber materials.
  - 1.4. Identification. All materials shall bear identification showing the fire test results.
2. Noncombustible material. Material that complies with the requirements for *noncombustible* materials in Section 202.
3. Fire-retardant-treated wood. Fire-retardant-treated wood identified for exterior use and meeting the requirements of Section 2303.2 of the *International Building Code*.
4. Fire-retardant-treated wood roof coverings. Roof assemblies containing fire-retardant-treated wood shingles and shakes which comply with the requirements of Section 1505.6 of the *International Building Code* and classified as Class A roof assemblies as required in Section 1505.2 of the *International Building Code*.
5. Roof Insulation. Roof insulations that comply with the requirements for Class NC (noncombustible core) in accordance with the requirements of FM 4470.

### 2. Add new standard to Chapter 7 as follows:

**FM**                    Factory Mutual Global Research  
Standards Laboratories Department  
1301 Atwood Avenue, P.O. Box 7500  
Johnston, RI 02919

4470 (2009)    Approval Standard for Class 1 Roof Covers .

**Reason:** To introduce a new type of Ignition-resistant building material into the IWUIC, based upon testing and conformance with the newest edition (2009) of FM 4470 Approval Standard for Single-Ply, Polymer-Modified Bitumen Sheet, Built-Up Roof (BUR) and Liquid Applied Roof Assemblies.

The 2009 edition of FM Approval Standard 4470 has introduced a new category of roofing insulation defined as Class “NC” non-combustible core.

In order for a roof insulation material to be classified as “NC”, the roof insulation must meet the following stringent criterion:

1. ASTM D482, Standard Test Method for Ash from Petroleum Products
2. ASTM E2058, Standard Test Methods for Measurement of Synthetic Polymer Material Flammability Using a Fire Propagation Apparatus (FPA)
3. ISO 1716:2002 Reaction to Fire Tests for Building Products - Determination of the Heat of Combustion

The first test acceptance criteria used by FM for these materials is very stringent, and includes a minimum total solids content of 90% per ASTM D 482.

In addition, during the ASTM E2058 test, no visible flaming of the insulation is permitted for the full 15 minute duration, and the test is extended beyond 15 minutes in duration if there is any evidence of the sample still exhibiting mass loss and/or visible vapors being emitted. The test is continued until the mass loss and/or visible vapors have also ceased.

The third test method is ISO Standard 1716 which is used for determination of the Heat of Combustion of building materials. The insulation core must have a maximum heat of combustion of 2.0 kJ/g (860 BTU/lb).

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

**Analysis:** FM 4470 (1992) is currently referenced in the IBC.

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

ICCFILENAME: SCOTT-WUIC1-503.2.DOC

## WUIC4-09/10

### 503.2, Chapter 7

**Proponent:** John Woestman, The Kellen Company, representing the Composite Lumber Manufacturers Association (CLMA)

#### 1. Delete Section 503.2 and replace with the following:

**503.2 Ignition-resistant building material.** Ignition-resistant building materials shall comply with 503.2.1, 503.2.2, 503.2.3, or 503.2.4.

**503.2.1 Composite materials and plastic materials.** Composite materials and plastic materials shall comply with 503.2.1.1, 503.2.1.2, and 503.2.1.3.

**503.2.1.1 Minimum standards.** Wood-plastic composite deck boards, stair treads, handrails and guardrail systems shall comply with ASTM D 7032, and plastic lumber deck boards shall comply with ASTM D 6662.

**503.2.1.2 Fire testing.** Composite materials and plastic materials shall comply with one of following fire tests after exposure to weathering required by section 503.2.1.1.

1. ASTM E 84 or UL 723. Materials tested in accordance with ASTM E 84 or UL 723 for a test period extended to 30 minutes shall exhibit a flame spread index not exceeding 25 and shall show no evidence of progressive combustion following the 30 minute test period and shall exhibit a flame front that does not progress more than 10 ½ feet (3200 mm) beyond the centerline of the burner at any time during the 30 minute test period.
2. ASTM E 1354. Materials complying with ASTM D 7032, shall be tested in accordance with ASTM E 1354 for a 40 minute test observation period with a maximum net peak heat release of 25 kW/sq ft.

**503.2.1.3 Identification.** Materials shall be labeled or be identified with a manufacturer's designation on the material, assembly, or its packaging.

**503.2.2. Noncombustible material.** Material that complies with the requirements for *noncombustible* materials in Section 202.

**503.2.3. Fire-retardant-treated wood.** Fire-retardant-treated wood meeting the requirements of Section 2303.2 of the *International Building Code*.

**503.2.4. Fire-retardant-treated wood roof coverings.** Roof assemblies containing fire-retardant-treated wood shingles and shakes which comply with the requirements of Section 1505.6 of the *International Building Code* and classified as Class A roof assemblies as required in Section 1505.2 of the *International Building Code*.

#### 2. Add new standard to Chapter 7 as follows:

##### ASTM

E 1354-09 Standard Test Method for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter

**Reason:** The IWUIC will benefit from a re-write of Section 503.2.

With this proposal, Section 503.2 has been reformatted for ease of understanding.

And, what used to be Item 1 - now Section 503.2.1 - has been titled to reflect the materials intended to be regulated in this section, and these materials are now explicitly required to comply with the appropriate standards (ASTM D 7032 or ASTM D 6662).

In proposed section 503.2.1.2, the language requires weathering prior to the fire testing per the standards referenced in proposed section 503.2.1.1. Both these standards require aggressive weathering to comply with the standard. The technical requirements of the fire test (ASTM E84 / UL 723) have not changed while the language has been revised for ease of understanding.

ASTM E1354 testing for materials complying with ASTM D7032 has been included as a fire test for the IWUIC. ASTM E1354 has been demonstrated as a valid fire test for determining the heat release rate of construction materials. The maximum net peak heat release of 25 kW/sq ft required of the ASTM E1354 test is consistent with current WUIC material test requirements set forth in California's WUIC, a state which has used input from the scientific community and stakeholders alike in developing its WUIC language applicable to these building materials.



The identification language of proposed section 503.2.1.3 has been revised to be explicit as to what is required. The remaining sections have only been reformatted with section numbering for consistency.

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

**Analysis:** ASTM E1354 is currently referenced in the IBC.

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

ICCFILENAME: WOESTMAN-WUIC1-503.2.DOC

## WUIC5-09/10

### 504.2.1 (New), Chapter 7

**Proponent:** John Scott, Roxul, Inc.

#### 1. Revise as follows:

**504.2.1 Roof insulation.** Roof insulations that comply with the requirements for Class NC (noncombustible core) in accordance with the requirements of FM 4470.

(Renumber subsequent section)

#### 2. Add new standard to Chapter 7 as follows:

**FM**                      Factory Mutual Global Research  
Standards Laboratories Department  
1301 Atwood Avenue, P.O. Box 7500  
Johnston, RI 02919

4470 (2009) Approval Standard for Class 1 Roof Covers .

**Reason:** To introduce a new Class of Ignition-resistant building material into the IWUIC, based upon testing and conformance with the newest edition (2009) of FM 4470 Approval Standard for Single-Ply, Polymer-Modified Bitumen Sheet, Built-Up Roof (BUR) and Liquid Applied Roof Assemblies.

The IWUIC has very stringent expectations for Class 1 Ignition Resistant Construction. While the definitions in Section 202 addresses "Noncombustible Roof Coverings", this really only applies to the weathering membrane on the exterior surface of the roof (i.e. such as shingles, sheets, and tiles), rather than the potentially high fuel loads coming from some combustible insulation materials beneath them. Consequently, there is a need to further restrict the use of combustible roof insulations where required.

The 2009 edition of FM Approval Standard 4470 has introduced a new category of roofing insulation defined as Class "NC" non-combustible core.

In order for a roof insulation material to be classified as "NC", the roof insulation must meet the following stringent criterion:

1. ASTM D482, Standard Test Method for Ash from Petroleum Products
2. ASTM E2058, Standard Test Methods for Measurement of Synthetic Polymer Material Flammability Using a Fire Propagation Apparatus (FPA)
3. ISO 1716:2002 Reaction to Fire Tests for Building Products - Determination of the Heat of Combustion

The first test acceptance criteria used by FM for these materials is very stringent, and includes a minimum total solids content of 90% per ASTM D 482.

In addition, during the ASTM E2058 test, no visible flaming of the insulation is permitted for the full 15 minute duration, and the test is extended beyond 15 minutes in duration if there is any evidence of the sample still exhibiting mass loss and/or visible vapors being emitted. The test is continued until the mass loss and/or visible vapors have also ceased.

The third test method is ISO Standard 1716 which is used for determination of the Heat of Combustion of building materials. The insulation core must have a maximum heat of combustion of 2.0 kJ/g (860 BTU/lb).

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

**Analysis:** FM 4470 (1992) is currently referenced in the IBC.

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

ICCFILENAME: SCOTT-WUIC2-504.2.1.DOC

## Z1-09/10

### 503.1 (New)

**Proponent:** Craig Conner, Building Quality, representing self

**Add new text as follows:**

#### CHAPTER 5 RESIDENTIAL ZONES

#### SECTION 503 ORIENTATION

**503.1 Lot orientation.** A minimum of 70% of the lots within a residential zone shall be designated with the primary face of the building facing within 20 degrees of South or North.

**Exception:** Where the building official or planning commission determine local conditions make this requirement impractical.

**Reason:** When it is practical, building orientation is one of the most cost-effective forms of energy efficiency. Properly oriented buildings increase the effectiveness of a number of solar and day lighting design strategies.

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

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

ICCFILENAME: CONNER-Z1-503.1 NEW

## Z2-09/10

### 801.4.3 (New), Chapter 14

**Proponent:** Stephen V. Skalko, PE, representing Portland Cement Association

**1. Revise as follows:**

**801.4 Design of parking facilities.** The design of parking facilities shall be in accordance with Sections 801.4.1 through ~~801.4.7~~ 801.4.8.

**801.4.1 Driveway width.** Every parking facility shall be provided with one or more access driveways, the width of which shall be the following:

1. Private driveways at least 9 feet (2743 mm).
2. Commercial driveways:
  - 2.1. Twelve feet (3658 mm) for one-way enter/exit.
  - 2.2. Twenty-four feet (7315 mm) for two-way enter/exit.

**801.4.2 Driveway and ramp slopes.** The maximum slope of any *driveway* or ramp shall not exceed 20 percent. Transition slopes in driveways and ramps shall be provided in accordance with the standards set by the code official and the jurisdiction's engineer.

**2. Add new text as follows:**

**801.4.3 Minimum pavement design.** The design of ground supported pavement for parking facilities shall comply with Sections 801.4.3.1 through 801.4.3.3

**Exceptions:**

1. Concrete pavements designed in accordance with ACI 330R.
2. Asphalt pavements designed in accordance with IS-181.

**801.4.3.1. Sub-base.** The soil supporting the pavement for parking facilities shall have a minimum California Bearing Ratio (CBR) of 3 determined in accordance with ASTM D1883 and a minimum resistance value (R) of 6 determined in accordance with ASTM D2844.

**801.4.3.2 Concrete surfaces.** The minimum compressive strength of the concrete ( $f'_c$ ) for concrete pavements shall be 4000 psi. The minimum thickness of the concrete pavement shall be 4.0 inches

**801.4.3.3 Asphalt concrete surfaces.** The asphalt pavement shall comply with Section 801.4.3.3.1 or 801.4.3.3.2.

**801.4.3.3.1 Full depth asphalt pavement:** Where full depth asphalt pavements are constructed using asphalt concrete and emulsified asphalt base mixes the minimum thickness of the asphalt pavement shall be one of the following:

1. A minimum of 1 inch of asphalt concrete for the top surface and 3.5 inches of asphalt concrete or Type I emulsified asphalt mix for the base.
2. A minimum of 2 inches of asphalt concrete for the top surface and 2.5 inches of Type II emulsified asphalt mix for the base.
3. A minimum of 2 inches of asphalt concrete for the top surface and 4.5 inches of Type III emulsified asphalt mix for the base.

**801.4.3.3.2 Asphalt pavement with untreated aggregate base and sub-base:** Where asphalt pavements are constructed using asphalt concrete placed over untreated aggregate bases and sub-bases the thickness of the asphalt pavement shall be a minimum of 1 inch of asphalt concrete for the top surface, 2.5 inches of asphalt concrete base and 4.0 inches of untreated aggregate base. The untreated aggregate base shall comply with ASTM D2940.

(Renumber subsequent sections)

**2. Add the following standards to Chapter 14 as follows:**

**ACI**

330-08 Guide for the Design and construction of Concrete Parking Lots

**AI**

IS-181-81 Asphalt Pavement Thickness Design. A simplified and Abridged Version of 1981 Edition AI Thickness Design Manual

**ASTM**

D1833-87 (2007) Standard Test Method for CBR (California Bearing Ratio) of Laboratory-Compacted Soils  
D2844-07 Standard Test Method for resistance R-value and Expansion Pressure of Compacted Soils  
D2940-03 Standard Specification for Graded Aggregate Material for Bases or Sub-bases for Highways or Airports

**Reason:** *The International Zoning Code* provides the minimum requirements for the design of parking facilities. However, the provisions are not complete without specifying the minimum requirements for the pavement thickness. This proposal places requirements for concrete and asphalt pavement thicknesses into the IZC to make it more complete for parking facilities and to give jurisdictions guidance on the commonly used pavement sections.

The provisions were based on the pavement design procedures in ACI 330R-08, *Guide for the Design and Construction of Concrete Parking Lots*, published by American Concrete Institute, and *Asphalt Pavement Thickness Design*, 2<sup>nd</sup> Edition, January 1983 by The Asphalt Institute. The design assumed minimum acceptable soil conditions for the sub-base (CBR = 3 and R = 6). In addition, the designs assumed a light volume of heavy truck traffic (Traffic Category A for concrete and Traffic Class I for asphalt).

The minimum compressive strength of the concrete was set at 4,000 psi to insure a minimum level of durability for the pavement.

**Cost Impact:** The code change proposal should not increase the cost of construction if proper pavement design is presently followed in a jurisdiction.

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

ICCFILENAME: SKALKO-Z1-801.4.3