



# PUBLIC CODE CHANGE PROPOSAL FORM FOR PUBLIC PROPOSALS IN THE INTERNATIONAL CODES

## 2006/2007 CODE DEVELOPMENT CYCLE

**CLOSING DATE: All Proposals Must Be Received by March 24, 2006**

The 2006/2007 Code Development Hearings are scheduled for  
September 20 to 30, 2006 in Orlando, FL

- 1) **Name:** Ronald Majette **Date:** March 24, 2006  
**Jurisdiction/Company:** United States Department of Energy  
**Submitted on Behalf of:** United States Department of Energy  
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**City:** Washington **State:** DC **Zip Code:** 20585  
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- 2) **\*Signature:** \_\_\_\_\_  
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**Signature for electronic submittal:** When submitting proposals electronically, to complete the submittal process, print a copy of the ICC Electronic [Copyright Release](#) form found at [www.iccsafe.org](http://www.iccsafe.org), fill in the requested information, send to ICC. One completed form is required. This must be done for each code change cycle and can be used for code changes and public comments.

- 3) Indicate appropriate International Code(s) associated with this Public Proposal – Please use Acronym:    IECC, IRC     
 If you have also submitted a separate coordination change to another I-Code, please indicate the code:     
 (See section below for list of names and acronyms for the International Codes).

- 4) **Be sure to format your proposal and include all information as indicated on Page 2 of this form.**

- 5) Proposals should be sent to the following offices via regular mail or email. An e-mail submittal is preferred, including an electronic version, in either Wordperfect or Word. The only formatting that is needed is **BOLDING**, ~~STRIKEOUT~~ AND UNDERLINING. Please do not provide additional formatting such as tabs, columns, etc., as this will be done by ICC

Please use a separate form for each proposal submitted. Note: All code changes received will receive an acknowledgment.

Please check here if separate graphic file provided.

Graphic materials (Graphs, maps, drawings, charts, photographs, etc.) must be submitted as separate electronic files in .CDR,.IA,.TIF or .JPG format (300 DPI Minimum resolution; 600 DPI or more preferred) even though they may also be embedded in your Word or Wordperfect submittal.

Code	Send to:	<u>Acronym</u>	<u>ICC Code Name</u>
IBC	International Code Council	<b>IBC</b>	International Building Code
ICC EC	Chicago District Office	<b>ICC EC</b>	ICC Electrical Code–Administrative Provisions
IEBC	Attn: Diane Schoonover	<b>IECC</b>	International Energy Conservation Code
IFC	4051 West Flossmoor Road	<b>IEBC</b>	International Existing Building Code
IFGC	Country Club Hills, IL 60478-5795	<b>IFC</b>	International Fire Code
IPC	Fax: 708/799-0320	<b>IFGC</b>	International Fuel Gas Code
IPSDC	<a href="mailto:codechanges@iccsafe.org">codechanges@iccsafe.org</a>	<b>IMC</b>	International Mechanical Code
IPMC		<b>ICC PC</b>	ICC Performance Code
IWUIC		<b>IPC</b>	International Plumbing Code
IZC		<b>IPSDC</b>	International Private Sewage Disposal Code
		<b>IPMC</b>	International Property Maintenance Code
IECC	International Code Council	<b>IRC</b>	International Residential Code
ICC PC	Birmingham District Office	<b>IWUIC</b>	International Wildland-Urban Interface Code
IMC	Attn: Annette Sundberg	<b>IZC</b>	International Zoning Code
IRC	900 Montclair Road		
	Birmingham, AL 35213-1206		
	Fax: 205/592-7001		
	<a href="mailto:codechangesbhm@iccsafe.org">codechangesbhm@iccsafe.org</a>		

Clarify bracing requirements

CODE CHANGE PROPOSAL

Please provide all of the following items in your code change proposal. Your proposal may be entered on the following form, or you may attach a separate file. However, please read the instructions provided for each part of the code change proposal. The sections identified in parentheses are the applicable sections from CP #28 Code Development. The full procedures can be downloaded from www.iccsafe.org.

Code Sections/Tables/Figures Proposed for Revision (3.3.2): IECC Section 402.1.2 and Table 402.1. IRC Section N1102.1.1 and Table N1102.1.

Name/Company/Representing (3.3.1): Ronald Majette / United States Department of Energy

Proposal:

IECC:

Revise as follows:

402.1.2 R-value computation. Insulation material used in layers, such as framing cavity insulation and insulating sheathing, shall be summed to compute the component R-value. For walls, structural wall panels with an area equal to but not greater than the area required for bracing by Chapter 6 of the International Residential Code are permitted to replace insulating sheathing in locations with a seismic design categories A, B, and C or in locations with a 50-year wind speed of less than 110 mph as specified in Chapter 3 of the International Residential Code. The manufacturer’s settled R-value shall be used for blown insulation. Computed R-values shall not include an R-value for other building materials or air films.

Table 402.1. Insulation and Fenestration Requirements by Component(a)

(g) “13+5” means R-13 cavity insulation plus R-5 insulated sheathing. If structural sheathing covers 25% or less of the exterior, R-5 sheathing is not required where structural sheathing is used. If structural sheathing covers more than 25% of exterior, structural sheathing shall be supplemented with insulated sheathing of at least R-2.

Remainder of table unchanged.

IRC:

Revise as follows:

N1102.1.1 R-value computation. Insulation material used in layers, such as framing cavity insulation and insulating sheathing, shall be summed to compute the component R-value. For walls, structural wall panels with an area equal to but not greater than the area required for bracing by Chapter 6 of the International Residential Code are permitted to replace insulating sheathing in locations with a seismic design categories A, B, and C or in locations with a 50-year wind speed of less than 110 mph as specified in Chapter 3 of the International Residential Code. The manufacturer’s settled R-value shall be used for blown insulation. Computed R-values shall not include an R-value for other building materials or air films.

Table N1102.1. Insulation and Fenestration Requirements by Component(a)

(g) “13+5” means R-13 cavity insulation plus R-5 insulated sheathing. If structural sheathing covers 25% or less of the exterior, R-5 sheathing is not required where structural sheathing is used. If structural sheathing covers more than 25% of exterior, structural sheathing shall be supplemented with insulated sheathing of at least R-2.

Remainder of table unchanged.

Supporting Information (3.3.4 & 3.4):

The purpose of this code change is to provide simple, complete, unambiguous, and appropriate allowances for structural bracing panels in walls that have insulating sheathing. The code currently only provides guidance on how much structural sheathing is allowed for the rather unusual combination of R-15 cavity insulation and R-5 sheathing insulation. The combination of wind and seismic zones where bracing panels are permitted to replace insulating sheathing ensures that most of the wall will be mostly covered by insulating sheathing.

Referenced Standards (3.4 & 3.6): N/A

## Clarify bracing requirements

**Cost Impact (3.3.4.6):** The code change proposal will not increase the cost of construction.