

CODES FORUM

a publication of BOCA • ICBO • SBCCI



2001 ICC® Code Development Cycle Individual Consideration Agenda

The following is a list of final action on the 2001 Proposed Changes to the ICC International Codes® that were the subject of individual consideration at the Final Action Hearings held in conjunction with BOCA's Annual Conference in Cincinnati, Ohio, on September 18-19 and the ICBO/SBCCI Annual Conference in Greensboro, North Carolina, on October 30-31, 2001. Code change items not listed were block voted under the consent agenda, the results as published in the ICC 2001 Report of the Public Hearing. Approved changes will be published in the 2002 Accumulative Supplement to the ICC International Codes.

Legend: AS = Approval as Submitted; D = Disapproval; AM = Approval as Modified;
WP = Withdrawn by Proponent.

<i>INTERNATIONAL PLUMBING CODE®</i>		P76-01, Item 1	AS	<i>INTERNATIONAL RESIDENTIAL CODE® MECHANICAL/ PLUMBING</i>	
Code Change Number	Action	P76-01, Item 2	D	Code Change Number	Action
P1-01, Item 1	AS	P77-01	D	RM2-01, Item 1	D
P1-01, Item 2	D	P83-01	D	RM2-01, Item 2	AS
P3-01, Item 1	D	P88-01, Item 1	D	Plumbing	
P3-01, Item 2	D	P88-01, Item 2	D	Code Change Number	Action
P9-01, Item 1	AM	P89-01, Item 1	D	RP9-01	D
P9-01, Item 2	AM	P89-01, Item 2	D	RP12-01, Item 1	AM
P11-01	WP	P93-01	D	RP12-01, Item 2	D
P12-01	WP	P97-01	AS	<i>INTERNATIONAL RESIDENTIAL CODE BUILDING AND ENERGY</i>	
P20-01, Item 1	AM	<i>INTERNATIONAL MECHANICAL CODE®</i>		Code Change Number	Action
P20-01, Item 2	D	Code Change Number	Action	RB5-01	D
P22-01	D	M15-01	D	RB6-01	D
P24-01	D	M24-01	D	RB8-01, Item 1	D
P33-01, Item 1	AS	M38-01, Item 1	AM	RB8-01, Item	D
P33-01, Item 2	D	M38-01, Item 2	D	RB10-01	D
P47-01	AS	<i>INTERNATIONAL FUEL GAS CODE®</i>		RB16-01, Item 1	AS
P50-01, Item 1		Code Change Number	Action	RB16-01, Item 2	D
(consent agenda)	D	FG1-01	D	RB19-01, Item 1	D
P50-01, Item 2		FG10-01	AS	RB19-01, Item 2	AS
(consent agenda)	AS	FG13-01	D	RB20-01	D
P53-01, Item 1	D				
P53-01, Item 2	AM				
P70-01, Item 1	D				
P70-01, Item 2	AS				

(continued on page 2)



Final Action Results (continued from page 1)

RB21-01, Item 1	AM	<i>INTERNATIONAL FIRE CODE®</i>		FS42-01	D
RB21-01, Item 2	D	Code Change Number	Action	FS46-01	AM
RB27-01, Item 1	D	F5-01	D	FS47-01	D
RB27-01, Item 2	AS	F6-01	AM	FS52-01,Item 1	AS
RB32-01, Item 1	D	F21-01	AS	FS52-01, Item 2	D
RB32-01, Item 2	D	F36-01	D	FS59-01, Items 1 & 2	D
RB33-01, Item 1	AS	F37-01, Item 1	D	FS59-01, Item 3	AS
RB33-01, Item 2	AS	F37-01, Item 2	D		
RB34-01, Item 1	D	F39-01	D	<i>INTERNATIONAL BUILDING</i>	
RB34-01, Item 2	D	F42-01	WP	<i>CODE GENERAL</i>	
RB37-01, Item 1	AS	F54-01	D	Code Change Number	Action
RB37-01, Item 2	D	F56-01	AS	G10-01	D
RB38-01, Item 1	AM	F58-01	AS	G19-01	AM
RB38-01, Item 2	D	F63-01	AS	G20-01	AM
RB39-01	D	F126-01	AS	G29-01	D
RB40-01, Item 1	AS			G36-01	D
RB40-01, Item 2	D	<i>ICC PERFORMANCE CODE™</i>		G37-01	AS
RB45-01, Item 1	D	Code Change Number	Action	G42-01	AM
RB45-01, Item 2	D	PC2-01	D	G45-01	D
RB46-01	D	PC6-01	D	G49-01	D
RB52-01	AM	PC10-01	D	G64-01	D
RB53-01	AM	PC35-01	AM	G72-01	D
RB59-01, Item 1	AM	PC45-01	D	G74-01, Items 1 & 2	AS
RB59-01, Item 2	D	PC50-01	D	G74-01, Items 3 & 4	D
RB60-01, Item 1	D				
RB60-01, Item 2	D	<i>ICC ELECTRICAL CODE™</i>		<i>INTERNATIONAL BUILDING</i>	
RB82-01	AS	Code Change Number	Action	<i>CODE MEANS OF EGRESS</i>	
RB89-01, Item 1	D	EL2-01	D	Code Change Number	Action
RB89-01, Item 2	D	EL3-01	AS	E5-01	AM
RB95-01, Item 2	AS	EL4-01	AS	E21-01, Item 1	D
RB96-01, Item 1	D	EL5-01	D	E21-01, Item 2	AM
RB96-01, Item 2	AM			E30-01	AS
RB103-01, Item 1	D	<i>INTERNATIONAL BUILDING</i>		E31-01	D
RB104-01	D	<i>CODE® FIRE SAFETY</i>		E32-01	AM
		Code Change Number	Action	E33-01	D
<i>INTERNATIONAL ENERGY</i>		FS8-01	D	E34-01	D
<i>CONSERVATION CODE®</i>		FS10-01	D	E35-01	AS
Code Change Number	Action	FS13-01	D	E42-01	AM
EC5-01, Item 1	AM	FS14-01	D	E43-01	D
EC5-01, Item 2	D	FS15-01	D	E46-01	D
EC7-01, Item 1	D	FS16-01	D	E47-01	D
EC7-01, Item 2	AS	FS22-01, Item 1	AS	E48-01	AS
EC32-01	D	FS22-01, Item 2	D	E61-01	D
		FS31-01	AM	E66-01	AS
		FS35-01	D	E73-01	AM
		FS41-01	D	E78-01	AS

(continued)



2001 INTERNATIONAL BUILDING CODE STRUCTURAL

Code Change Number	Action
S34-01	D
S45-01	AM
S54-01	D
S69-01	AS
S80-01, Item 1	D
S80-01, Item 2	D
S80a-01	
Withdrawn (ICC Board action)	

2001 ICC EMERGENCY ACTION BALLOT

In accordance with Section 2.4 of the Code Development Process for

the International Codes, the ICC Board of Directors approved an emergency amendment to the 2000 International Energy Conservation Code (IECC®), International Fuel Gas Code (IFGC®), International Mechanical Code (IMC®), and International Plumbing Code (IPC®) to add the following Exception to the "Scope" provision in Section 101 of the referenced codes as follows:

"Exception: Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their

accessory structures shall comply with the International Residential Code."

Following are the results of the vote of the eligible voting members to either ratify ("Approve") or revoke ("Disapprove") this action in accordance with Section 2.4.

Code	Action
IECC	Disapprove
IFGC	Approve
IMC	Approve
IPC	Approve

Model Code Organizations Consolidate Internet Training Efforts

International Code Campus, www.icccampus.org, the International Code Council's on-line training initiative, is a professional development opportunity for code enforcement and fire officials, architects, engineers, builders, and others in the construction industry, which will debut in January, 2002.

International Code Campus is a cooperative effort of BOCA (Building Officials and Code Administrators International), ICBO (International Conference of Building Officials), and SBCCI (Southern Building Code Congress International). International Code Campus replaces the on-line training programs offered by the model code organizations: BOCA Campus On-Line, ICBO Online Training, and SBCCI Online Institute.

"As the three model code organizations move toward the goal of being one organization under the ICC umbrella, we will continue to consolidate efforts to ensure that our members and customers will continue to receive quality services and products," said ICC Chief Executive Officer Bill Tangye.

ICC's virtual campus allows anyone in the construction industry to take training courses anytime, anywhere there is access to the Internet. The campus will offer more than 70 courses over a diverse range of topics including technology, codes, enforcement, management issues, office operations, accounting and finance, computer operations, and personal development. Those who successfully complete a course earn continuing education units either through the model code organizations, AIA programs, or several state licensing programs.

"International Code Campus is user-friendly and provides built environment professionals on-demand training based on the International Codes and administrative skills," Tangye said. "On-line training from ICC utilizes the best practices of each of the MCO's existing on-line campuses to create the premier Internet learning environment."

For a free, interactive demonstration of the International Code Campus, point your browser to www.icccampus.org. To receive a brochure and more information, call 1-800-214-4321, ext. 355, or e-mail lrosenfe@bocai.org.



Saving Lives and Protecting Property is Goal of Foundation

The International Code Council (ICC) has established the *Building a Safer World Foundation* to support its mission to protect lives and properties through safer building construction.

Experts in building safety, the ICC and its member associations have provided the building and safety guidelines for the majority (97%) of jurisdictions in the U.S. "Today, the United States enjoys the highest standard of building safety in the world as a result of the collective experience shared by the International Code Council and its member organizations," noted former ICC Chairman Larry Bell.

The foundation will enable the ICC to expand its charitable offerings of education, disaster relief, and research into the building industry, which will benefit the public worldwide. The foundation will also concentrate on standardizing the building regulatory requirements in the United States, an effort that will significantly impact the

safety and economy of the nation.

The *Building a Safer World Foundation* is a nonprofit organization organized and operated exclusively for charitable, educational, and other purposes beneficial to social welfare. The activities of the corporation in furtherance of its purposes shall include: (1) sponsoring International Building Safety Week; (2) promoting national awareness of building safety through public education; (3) serving as a resource for building safety information; (4) promoting the utilization of building regulations that serve the public interest; and (5) promoting training and education in the safe and appropriate use of materials and methods in the built environment.

For more information, contact ICC Chief Executive Officer William Tangye at (703) 931-4533.

International Fire Code adopted in Utah, endorsed in Washington

After almost two years of study and comparison to other available fire codes, the State of Utah Fire Prevention Board voted unanimously to adopt the *International Fire Code* (IFC) effective January 2, 2002. In separate action, the Washington State Association of Fire Marshals endorsed the IFC.

In Utah, a Fire Prevention Task Force analyzed, reviewed, and recommended the 2000 IFC based on the need for consistency between the building and fire codes. The clarity of the language used in the IFC and the fact that other fire codes considered were not stand-alone documents (requiring numerous amendments to be enforceable) were cited as major factors in the decision. The Fire Prevention Task Force also expressed concern about whether any new building code other than the *International Building Code* (IBC), which is coordinated with the IFC, would be viable in the near future.

"Much research was invested in the decision to adopt the IFC," said Utah Fire Prevention Board Chair Scott Adams. "The *International Building Code* was adopted for Utah in May and it will be a great benefit for the people of

Utah to have these integrated codes where regulations are clear, consistent and correlated."

The 2000 IFC, 2000 IBC, 2000 *International Residential Code*, 2000 *International Mechanical Code*, 2000 *International Fuel Gas Code*, and 2000 *International Energy Conservation Code* will be effective in Utah in January. The 2000 *International Plumbing Code* has been in effect in Utah since January 2001.

In Washington, the Board of Directors for the Washington State Association of Fire Marshals "unanimously approved an action endorsing the adoption of the IFC in Washington State." The decision came after a nine-month study of available fire codes and processes by the Association of Fire Marshals, the Washington State Association of Fire Chiefs, and other fire service professionals.

The Washington State Association of Fire Marshals continues to support the development of one national fire code. The association says that given the current situation, "the IFC is the best choice for the citizens of Washington State."



Fargo, ND and Olathe, KS Adopt I-Codes

Effective October 10, 2001, the City of Fargo, North Dakota, adopted the *International Building Code*, *International Residential Code*, *International Fire Code*, *International Mechanical Code*, *International Fuel Gas Code*, and the *International Property Maintenance Code*®.

Ron C. Strand, Fargo's inspections administrator, reports that the city commission responded to the homebuilders' and design professionals' desire to go forward with the I-Codes adoption. In conjunction with the ICC, the City of Fargo has provided seminars and training that have generated a good response. Additional seminars have been scheduled for early in 2002.

In Kansas, the City of Olathe adopted the 2000

International Codes, specifically the *International Building Code*, *International Residential Code*, *International Plumbing Code*, *International Fire Code*, *International Fuel Gas Code*, *International Mechanical Code*, and the *International Property Maintenance Code* effective September 15, 2001.

The City of Olathe is located in the greater Kansas City metropolitan area, 20 miles southwest of downtown Kansas City. With a population of 100,000, Olathe is the second largest city among the 21 communities in Johnson County and the fifth largest city in the State of Kansas. Olathe joins the growing number of cities in the Midwest area to adopt the International Codes.

Western States Seismic Policy Council Endorses Adoption of IBC and IRC

The Western States Seismic Policy Council Policy Session Number 5 (Earthquake Building Codes in the 21st Century) of the National Earthquake Risk Management Conference in Seattle, Washington, generated considerable discussion and resulted in a number of recorded points from the audience. A consensus at the conference from the presenters and the structured audience participation concluded that adoption by local jurisdictions of the new *International Building Code* and the *International Residential Code* be the first order of business. It was recognized that the efforts of the three U.S. model code organizations to reach this single international agreement was a significant milestone toward code consistency and that the work was an improvement over previous formats and their lack of understandability.

However, it was strongly felt by a vast majority that the new code didn't go far enough in explaining and educating the public on the need and purpose for codes. Therefore, the conference participants encouraged further development and refining. The major roadblock to success seen in using the codes once they are adopted was consistent and uniform enforcement of codes. This would necessitate training of building inspectors requiring standards and certification.

Furthermore, it may be necessary to generate unique and or special provisions if called for when building in specific areas of known hazards as modified by specific information (i.e. NEHRP). Partnerships with the homeowners, residents, builders, insurers, owners, elected officials, scientific groups, etc. with focused concerns on lifelines

and public safety would be required to achieve a social mindset to meet the desired outcomes.

Policy Recommendation 01-4

WSSPC endorses the prompt adoption and enforcement by state and/or local jurisdictions of the seismic provisions in the *International Building Code* and the *International Residential Code*. WSSPC also encourages code organizations to continue the development and refinement of building codes to include NEHRP provisions with a specific focus on purpose, education, incentives, lifelines, and the business/industry and homeowner sectors.

Implementation

Incentive measures would need to be developed that would involve federal, state, and local funding to "encourage" adoption of building codes that recognized the perils of nature. Building "strong" homes in known danger areas is an application of science and engineering currently available. Education of the public on the need and purpose for codes must work toward a mindset to prevent disaster before it happens. A follow-up step would then be consistent and include uniform training of building inspectors and application of the codes and any follow-up improvement to those codes. A final action would be the validation of the consistency and quality of that application.

This policy recommendation was passed unanimously by the WSSPC membership at its annual business meeting in October 2001.

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Western States (continued from page 5)

A number of political and technical representatives were in attendance, as well as representatives for the 13 western states, Guam, and FEMA.

Included in this session were:

Darryl Young, Director, California Department of Conservation

Dallas Jones, Director, Governor's Office of Emergency Services

Richard McCarthy, Exec. Director, California Seismic Safety Commission

Assemblywoman Ellen Corbett, California State Assembly

Senator Peter Courtney, Oregon State Senate

Dennis Mileti, Director, Natural Hazards Research Application and Information Center

Shirley Dean, Mayor, City of Berkeley, CA

Barbara Thurman, Washington Military Dept., Emergency Management Division

Mike Stever, Salt Lake City Emergency Management

Glen Woodbury, Director, Washington Military Dept., Emergency Management Division

James Davis, California Dept. of Conservation, Div. of Mines and Geology

John Beaulieu, Director and State Geologist, Oregon Dept. of Geology and Mineral Industries

Lucy Jones, U.S. Geological Survey

Charles Groat, Director, U.S. Geological Survey

NASFA Applauds Code Change for Steel Framing

The North American Steel Framing Alliance (NASFA) has responded favorably to a change in the International Code Council's *International Building Code* that now allows the use of gypsum wallboard for shear resistance in seismic areas. This change will be published in the 2002 *International Building Code Supplement*.

The revised code states that the same sheathing guidelines used for wood-framed systems can now be used for steel. Steel-framed systems will be subject to the limitations in Table 1617.6, lines 1.L and 2.U, meaning they must be designed with an R factor of 2 or 2.5, permitted to a height of 35 feet in Seismic Design Category D, and prohibited in Seismic Design Categories E and F. These revised code limitations are specific to the sheathing materials used, including plywood, oriented strand board (OSB), and gypsum wallboard.

"We are pleased with the outcome of this code revision, and are encouraged by the ICC's action taken on this issue," said Hank Martin, director of Construction Codes and

Standards for the American Iron and Steel Institute (AISI), who spearheaded the code revision with research data from NASFA. "Prior to the code change, under Seismic Design Category D, the code did not allow for the shear capacity of the drywall on steel-framed systems to meet shear code requirements. Now they are allowing it."

"The result will be a more efficient and less costly design," added NASFA President Tim Waite. "This is another example of the activities in the marketplace that are leveling the playing field for steel framing in residential construction."

As in previous years, the biggest percentage gains in market share were in non-loadbearing interior walls and floor joists. Market share for steel studs used in interior walls was 7% in 2000, a 23% gain in market share over 1999. Shipments of steel floor joists to residential projects increased by 73% in 2000 over 1999; market share of steel floor joists grew by 80%.



HUD Needs Your Help

The U.S. Department of Housing and Urban Development (HUD) is in the process of developing a new training and technical guidance program for the Fair Housing Act Accessibility Guidelines and has awarded a contract to KPMG Consulting Inc. for this purpose.

The Fair Housing Amendments Act made it unlawful to design and construct certain dwellings built for first occupancy after March 13, 1991, in a manner that made them inaccessible to persons with disabilities. It also established design and construction requirements to make these

dwellings readily accessible to and usable by persons with disabilities.

HUD is responding to requests from the industry and advocacy groups that additional training and technical guidance should be made available to ensure that the Fair Housing Act accessibility requirements are met in the design and construction of multifamily housing.

Feedback is critical to ensuring that this program meets your needs. To participate, fill out the form online at www.fairhousingsurvey.com.

ICC Releases Performance Code

The International Code Council has just released the *ICC Performance Code for Buildings and Facilities*®, the first broad-based, stand-alone model performance building code in the United States. The code includes provisions related to structural, energy, fire protection, and plumbing systems, as well as accessibility, emergency responder safety, and hazardous materials issues.

This long-awaited publication is the result of a five-year development process that included building and fire officials, academics, designers, researchers, and

professional organizations. It sets out a detailed administrative process that is applicable to performance designs and alternative designs. The code also provides a methodology to help determine tolerable levels of damage during and after design events such as fire and natural hazards. Distinctly different from a prescriptive code, it allows the user to systematically achieve various solutions.

This publication is available through any of the MCOs. For more information, visit www.bocai.org, www.icbo.org, or www.sbcci.org.

ICC Calendar of Events

January

- 7 – 9 Access Board Meeting, TBD
- 9 – 11 NMHC Annual Meeting of the Membership, Naples, FL
- 11 – 13 ASCE Board of Direction Meetings and Events, Santa Ana Pueblo, NM
- 11 – 14 BOMA Winter Business Meeting and Leadership Conference, Beverly Hills, CA
- 12 – 16 ASHRAE Winter Meeting, Atlantic City, NJ
- 14 – 16 AHR Expo, Atlantic City, NJ

February

- 8 – 11 NAHB International Builder's Show, Atlanta, GA
- 9 – 10 ICC Board Meeting, Atlanta, GA
- 22 – 23 IFMA's Leadership Conference, Houston, TX
- 24 – 27 Meeting of the Board of Governors of the World Organization of Building Officials, Amman, Jordan
- 24 – 27 Solutions to Coastal Disasters 2002, San Diego, CA

March

- 1 Publication Date for Monograph of "Proposed Changes to the I-Codes"
- 8 – 12 NLC Congressional City Conference, Washington, DC
- 11 – 12 NMHC Board of Directors Meeting, Arlington, VA
- 11 – 13 Access Board Meeting, TBD
- 18 – 20 NAHRO Legislative Conference, Washington, DC
- 19 NEMA Board of Governors Meeting, TBD

April

- 1 – 5 National Hurricane Conference, Orlando, FL
- 4 – 6 2002 Structures Congress & Exposition, Denver, CO
- 7 – 13 International Building Safety Week
- 8 – 19 2002 ICC Code Development Public Hearings, Pittsburgh, PA

May

- 13 – 15 Access Board Meeting, TBD
- 25 – 26 Government Relations School and Legislative Summit, Washington, D.C.

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Calendar of events (continued from page 7)

May (continued)

- 13 – 17 2003 A117.1 Public Proposals Hearings, Washington, DC
- 18 Paper & Pencil Administration of C.B.O. Exams, Various Locations
- 19-23 NFPA World Safety Conference & Exposition™, Minneapolis, MN

June

- 3 Publication Date for "Report of the Public Hearings"
NAHB Spring Board of Directors Meeting, Washington, DC
- 23 – 25 BOMA 95th Annual Convention and The Office Building Show®, McCormick Place, Chicago, IL
- 24 – 25 NMHC Summer Quarterly Meeting, Boston, MA
- 27 – 30 CSI Show 46th Annual Convention & Exhibit,

Las Vegas, NV

July

- 8 – 10 Access Board Meeting, TBD
- 9 Deadline for Receipt of Public Comments
- 11 – 14 NAHRO Summer Conference, New York, NY
- 12 – 16 NACO Annual Conference, New Orleans, LA
- 19 – 22 ASCE Board of Direction Meetings and Events, Cleveland, OH

August

- 18 – 22 ASCE World Congress on Natural Disaster Reduction, Washington, DC
- 20 Publication Date of Public Comments "Final Action Agenda"
- 26 – 30 ASCE World Congress on Disaster Reduction, Washington, DC

2002 ICC Code Development Hearings

April 8-19, 2002

**Radisson Hotel Green Tree
101 Marriott Drive
Pittsburgh, PA 15205**



Pittsburgh, Pennsylvania

**Reservations: 800-333-3333
Deadline: March 16, 2002**

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