



2018

INTERNATIONAL CODE COUNCIL YEAR IN REVIEW



In Cooperation with  Innovation RESEARCH LABS





2018

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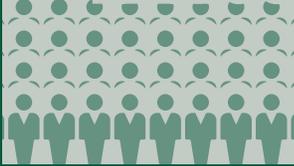
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MISSION

To provide the highest quality codes, standards, products and services for all concerned with the safety and performance of the built environment.

64k+ members



377 chapters worldwide



15

International Codes



evaluates 85,000+ products to over 5,000+ codes/standards



nearly **2 billion** people impacted by I-Codes

I-Codes are most widely used and adopted set of building safety codes

5 offices



more than **350** employees



5 subsidiaries



over **55** countries in which our ICC Family of Companies are active

15 years as a consolidated organization
+100 years of impact

IAS
21

accreditation programs

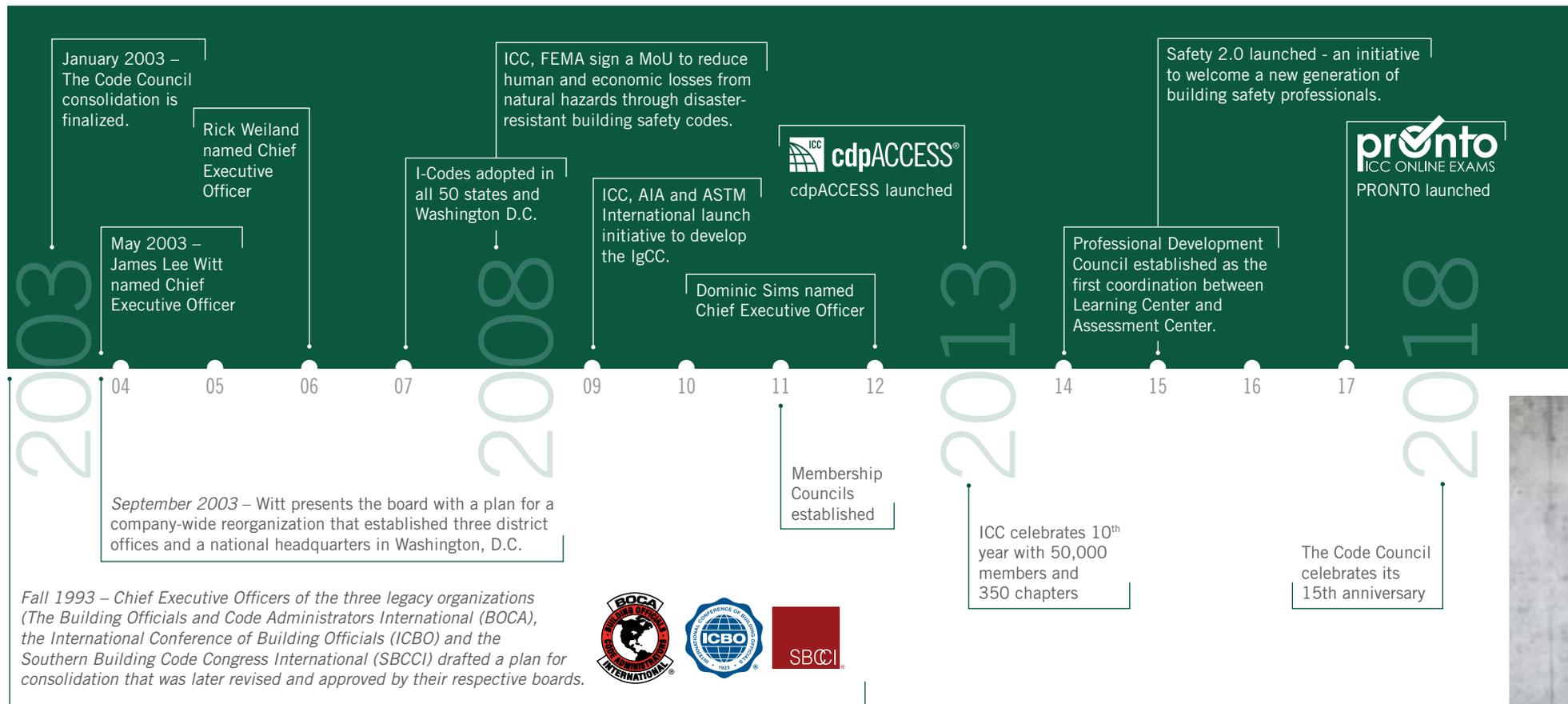


13 standards



Celebrating 15 Years

In 2018, the International Code Council celebrated its 15-year anniversary as an international association dedicated to building safety worldwide. With over 100 years of experience, the Code Council is a leader in building safety initiatives and develops the most comprehensive, coordinated and modern set of building codes.



From the CEO

A Year to Celebrate Growth and Expansion

This year the International Code Council celebrated its 15th year as a consolidated association and a legacy in thought leadership and innovation that spans over 100 years. Together, with the support and dedication of our members and partners, we remain committed to our mission and made significant strides to expand building safety around the world.

The Code Council's strategic plan, 20/20 Vision, continues to drive our direction and focus as our impact grows in the U.S. and around the world.

In 2018, we expanded our programs, broadened our global footprint and fortified our relationships with our strategic partners. Our reaffirmed dedication to our member and client success through the new customer service initiative will ensure every person who reaches out to the Code Council receives excellent service and great value.

Our Family of Companies provides a wide range of products and services to help building professionals worldwide effectively perform their duties. The acquisition of S. K. Ghosh Associates and General Code has diversified our portfolio and bolstered our financial position.

The fiscal health of the Code Council is strong. Our success has paved the way for the expansion of the Code Council's digital product library, enhancements to our code development system, cdpACCESS, and our new floor voting system, just to name a few.

We are poised to expand our reach and influence in 2019 and beyond. To prepare the association for the future, we are working with our members and stakeholders to develop a strategic plan update in 2019. We look forward to facing new challenges, embracing the next generation and driving innovation throughout the building safety industry for years to come.

Dominic Sims, CBO
Chief Executive Officer



Industry Partnerships

Uniting to ensure building safety

This year the Code Council partnered with a number of industry organizations on projects that contribute to safer buildings and communities.

10 Projects from 2018

1. The International Code Council, ASHRAE, AIA, the U.S. Green Building Council (USGBC) and the Illuminating Engineering Society released the 2018 International Green Construction Code.
2. The International Code Council and the National Council of Structural Engineers Associations (NCSEA) joined forces to create a national, digital database of volunteers to assist local, state and federal entities who need skilled, trained and certified building safety professionals in the aftermath of a disaster.
3. An active participant in the international standards community, an institute member and an ANSI-accredited standards developer, the Code Council proudly supports World Standards Week and World Standards Day each year, and works side-by-side with ANSI on many projects.
4. The Plumbing-Heating Cooling Contractors National Association (PHCC) announced the Code Council as its newest corporate partner.
5. Standards organization ASTM International hosted several events in Jamaica, Trinidad and Tobago, and Guyana as part of its Caribbean Roadshow, which included training and education focused on the growing use of the I-Codes.
6. The Code Council and the Solar Rating and Certification Corporation (ICC-SRCC), in collaboration with the National Fire Protection Association (NFPA), released an updated 2018 International Solar Energy Provisions (ISEP).
7. The Code Council and the American Society of Mechanical Engineers (ASME) and the CSA Group teamed up to improve and streamline the development process for the A112 plumbing standards.
8. The National Association of Home Builders, an ICC founding strategic partner, introduced new ways to help its members easily understand the latest I-Codes, which included the creation of an Adoption Kit with resources for easy comprehension of code changes, cost impact and suggested amendments.
9. HERSH20 Technical Guidelines were approved by the RESNET board and will serve as the basis for a joint RESNET/ICC ANSI candidate standard.
10. Portland Cement Association (PCA), a nonprofit serving America's cement manufacturers, made generous donations in support of the Code Council's scholarship program, resilience initiatives and technical training programs.

From the President

Working Today to Prepare for Tomorrow

Building safety is about preparing for our future. Since its inception, the International Code Council has been a forward-thinking membership association that addresses public safety for the betterment of all citizens, present and future.

As leaders in building safety, we understand that everything we accomplish today will impact us tomorrow. Embracing new technologies and scientific advancements, we remain at the forefront of the building safety industry.

As society continues to evolve within this digital age, so does the Code Council. With our members and stakeholders as the driving forces of our association, we are dedicated to providing the most advanced digital resources to further engage our members and support their career development. This year we significantly improved our online portals to increase opportunities for member engagement through cdpACCESS, online training and PRONTO certification exams.

Our digital transformation is also helping us welcome a new generation of members. Through our Safety 2.0 initiative, we are helping to build the leaders of the future through education, training and mentoring resources.

With a strong foundation, the Code Council has a bright future. In 2019, I plan to explore new ways to encourage member participation and empowerment. I look forward to working together over the next year.



William R. Bryant, MCP, CBO
President

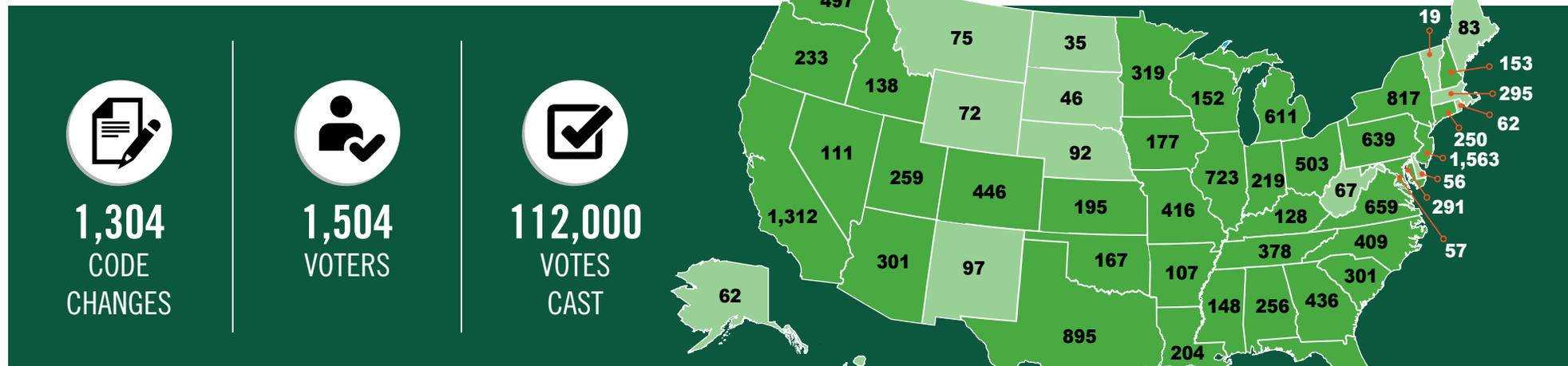


“ We are dedicated to providing the most advanced digital resources to further engage our members and support their career development.”



Code Development Process by the Numbers

The 2018 code development cycle marked the first successful application of the electronic voting devices for the Online Government Consensus Vote.



Government Agency Members: **8,673**

Private Sector Members: **45,818**

Total governmental member voting representatives*: **14,745**

*Number as of November 2018



2018 Highlights in Innovation

Digital
Transformation



Engaging the Next
Generation



Promoting Building
Safety Worldwide



Digital Transformation

Technological and scientific advancements have increased the speed and breadth of knowledge throughout our global economy and society. The Code Council embraces the digital revolution as we continue to transform the infrastructure of the built environment worldwide.



Virtual Learning

A virtual classroom is a hybrid learning environment that allows the same instructor interaction, collaboration and learning benefits through remote participation as if you were physically in the classroom. Virtual classrooms enhance the learning experience and add to the variety of options.

Benefits to virtual training

- ✓ Saves money
- ✓ Saves time
- ✓ Encourages remote collaboration

ICC Learning Center offers

- Web Sessions
- Self-Paced Online Learning
- Virtual Training
- Classroom Training
- Over 300 Courses in multiple formats
- CEU Tracking
- 24/7 Access to Transcripts
- Training Paths to Certification



LEARNING
center



The Code Council offers approximately 34 virtual classroom events. According to a study by Training Magazine, 86 percent of virtual classroom participants rated the experience “just as engaging” or “more engaging than” traditional classroom training.

Online Testing

Code professionals continue to succeed and advance with access to the latest technology-based solutions. The Proctored Remote Online Testing Option (PRONTO) makes taking ICC certification exams more convenient, comfortable and efficient.



PRONTO benefits

-  Take an ICC certification exam from any secure location with high-speed internet access
-  Available 24/7 – plan exams for the most convenient day and time
-  Advanced exam security features provide confidence in the integrity of the testing process and exam results
-  Eliminate the waiting period and learn results immediately upon exam completion

pronto
ICC ONLINE EXAMS



The Code Council is the first building safety professional credentialing organization to offer secure online proctored exams.

Digital Media

Online magazines and the rise of the podcast have taken the Digital Age by storm. The Code Council is at the forefront of these trends with major changes in 2018.



ICC Pulse Podcast

A monthly podcast that offers listeners the inside scoop on the Code Council and the building safety industry.

- Downloads

15,000

- Episodes

12

- Podcast Platforms



BUILDING SAFETY JOURNAL

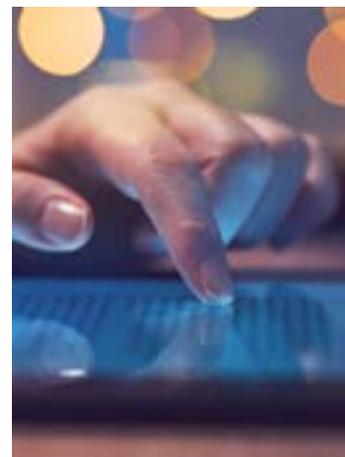
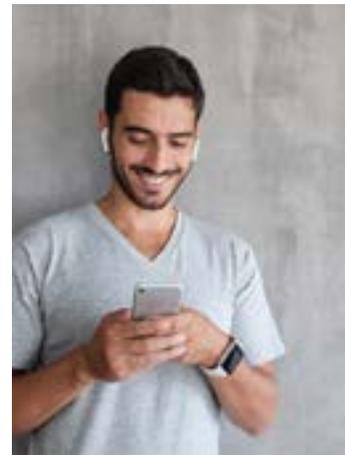
The new format for the Building Safety Journal is optimized for digital viewing, has an archive of searchable content, and has separate webpages for each article that are easily shareable via social media and email.

- Website Visitors

7,000

- Weekly Newsletter Subscribers

105,000





Engaging the Next Generation

The Code Council is committed to addressing the high demand for a new wave of skilled building professionals.

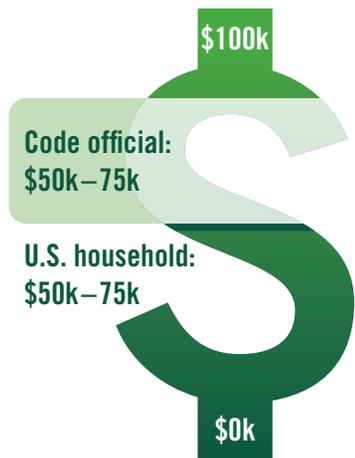
Workforce Initiative

Under the **Safety 2.0 initiative**, the Code Council is providing exciting programs aimed at bringing in new, talented building safety professionals.

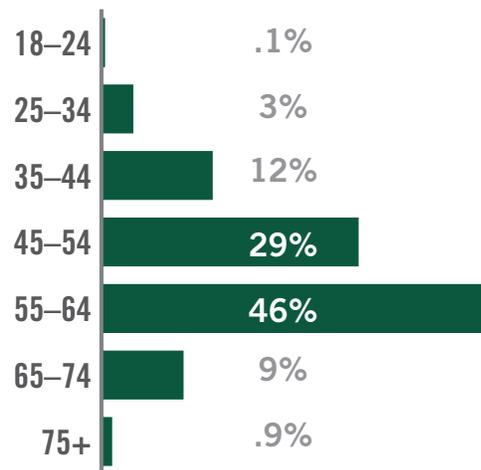


Code Officials: A Snapshot

MEDIAN SALARY



AGES



COMMON ROLES

1. Plan Reviewer
2. Building Inspector
3. Department Manager
4. Residential Inspector
5. Mechanical Inspector
6. General Inspector
7. Plumbing Inspector
8. Energy Inspector
9. Fire Inspector
10. Permit Technician



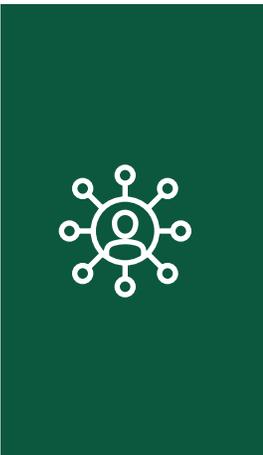
The Opportunity

Over the next 15 years, the building industry will experience a loss of 80 percent of the existing skilled workforce. This is a tremendous opportunity for job seekers!



Workforce Initiative

More than **12,000 individuals** have participated in our Safety 2.0 programs that offer mentoring, training, certifications and tools for career advancement.



SAFETY 2.0
*Building Careers for
Today's Generation*
INTERNATIONAL CODE COUNCIL®

2018 Chapter Leadership Academy

Denver, Colorado

An exclusive annual event for chapter leaders to discuss and strengthen important skills related to chapter management, legal considerations, member recruitment and retention, and effective communications.



Mentoring the next generation of code officials is also a strong component of the academies. I truly believe the focus on developing leaders in our organization will help benefit ICC and safety in the built community.

–William McKinney,
Vice President of the New Hampshire
Building Officials Association



My fellow chapter members were thrilled about the information I learned and brought back with me. I can't wait until next year!

–Ashley Delgado,
Energy Plan Reviewer for the Green Building Program



Jennifer Fairweather,
Human Resources Director for
Jefferson County, Colorado,
presenting “Creating
Professional Development
Strategies for Members.”

Meet: Jesse DeAnda

Permit and Development Services Manager
for the Community Development
Department of Beverly Hills, CA

An Emerging Leader in Building Safety

This Los Angeles native has taken the building industry by storm since [joining the department as a college intern in 2001](#).

In his role, DeAnda embraces technological innovations and works to advance his department and the building safety industry through the [digitization of online permitting and field documentation](#). While he admits that being a young person in an industry experiencing a digital transformation is challenging, DeAnda says, it is entertaining and enjoyable to witness and be a part of.

[“I love that this industry is made of smart and passionate people looking to protect their communities. We are touching every part of the community every day.”](#)

The Emerging Leaders Membership Council has been a major part of DeAnda’s professional development. Since being elected to the Council in 2011, [DeAnda has worked to connect young people to the built environment and create more opportunities for collaboration between seasoned and young professionals](#).

DeAnda is grateful for the many mentors who have helped him along the way. Excited for his future in building safety, DeAnda looks to pay it forward and mentor future members and industry leaders.



“Participation and engagement is key to letting your ideas be shared and valued. Share your experience and knowledge even beyond the codes – your perspective and life may also have influence. Everyone has a home within the building industry.”

Jesse DeAnda



Promoting Building Safety Worldwide

As the global economy increases its influence on our daily lives, expanding our global reach has emerged as a renewed priority. The Code Council is active in more than 55 countries.

2018 International Highlights

Jamaica

The Training Needs Assessment study, a World Bank initiative, produced recommendations for a strategic training plan aimed at developing an effective regulatory system for building compliance. The plan includes the Code Council's continued support of the code implementation process through publication of the Jamaica Building Code and additional training and support services.

Bangladesh

The Code Council and S. K. Ghosh signed a World Bank funded contract with the Bangladesh Capital Development Authority allowing the Code Council to evaluate the current building code implementation and enforcement infrastructure in Dhaka, and recommend specific changes to improve building safety.

Mexico

The Mexican accreditation agency, La Entidad Mexicana de Acreditacion, A.C. (EMA), has expanded the scope of accreditation for ICC Evaluation Service. The expanded scope includes evaluation of plumbing supply fittings in accordance with the Mexican standard on valves and water taps.

Colombia

At the invitation of ASCE Colombia Section, S. K. Ghosh presented in Bogota and Cartagena to members of the Association of Seismic Engineering (AIS) and Permanent Advisory Commission of the Regime of Earthquake Resistant Constructions (CAPRCSR).

Canada

The Standards Council of Canada (SCC) greatly expanded the scope of accreditation for ICC Evaluation Service. Accredited to evaluate 51 different categories of products in Canada, ICC-ES can evaluate products to the provisions of standards referenced by the National Building Code of Canada (NBCC).

World Bank resilience partnership

In partnership with the World Bank, The Code Council provides leadership and expertise on numerous international initiatives including the Building Regulation for Resilience Program. The program seeks to develop and promote a new stream of activities to increase regulatory capacity and in turn promote a healthier and safer built environment. By leveraging good practice in building regulation as part of a strategy to reduce both chronic risk and disaster risk, it will set developing countries on the path to effective reform and long-term resilience.



Global Connections Day 2018

Themed 'Innovation in the World of Building Safety,' the event drew 200 attendees from more than a dozen countries, including Australia, Canada, the Republic of Georgia, Japan, Jordan, Mexico, New Zealand, Nigeria, Qatar and Saudi Arabia. The keynote address was given by Teresa Cendrowska, ASTM International Vice President for Global Cooperation.



U.S. & International Adoptions

Jamaica

The Code Council worked with the Bureau of Standards Jamaica to produce customized building codes for Jamaica based on ten of the I-Codes.

Saudi Arabia

The Saudi Building Code National Committee adopted the 2018 Saudi Building Code, based on the I-Codes. The Code Council continues to work with Saudi Arabia to develop and improve the tools needed for successful implementation.

Caribbean

The CARICOM Regional Organization for Standards and Quality developed and published a regional energy code based on the International Energy Conservation Code.

Ghana

The government of Ghana launched an I-Codes based Ghana Building Code which, for the first time, provides the construction industry in Ghana with the essential requirements for structural, fire and overall building safety.



The Code Council is active in more than 55 countries.



U.S. Adoptions

- 304 local jurisdictions
- 37 state jurisdictions
- 39 first time adoptions

Building Safety Month

Building Safety Month is an international campaign that culminates in May to raise awareness about building safety. The Code Council, its 64,000 members, and a diverse partnership of professionals from the building construction, design and safety community come together with corporations, government agencies, professional associations and nonprofits to promote building safety because we understand the need for safe and sustainable structures where we live, work and play.

“Whenever NAHB has the chance to highlight the importance of safety on the jobsite, we take that opportunity. Building Safety Month is an important way to put a spotlight on this effort.”

Jerry Howard, CEO, National Association of Home Builders

“Building Safety Month is time for our members to focus on the opportunities to train their teams, perform safety inspections and work within their communities to raise awareness of the importance of nationally recognized codes and standards—and how they are applied locally.”

Robert M. Brierley, Fellow, Immediate Former Chair and Chief Executive Officer, BOMA International

“LIUNA is proud to support Building Safety Month because nothing is more important to the men and women who build the U.S. and Canada than completing projects safely and to the highest possible standards.”

Terry O’Sullivan, General President, Laborers’ International Union of North America



 **402**
Proclamations

 **2**
Remarks in
Congressional Record

 **2,597**
Video Views

 **1,349**
Articles or
Reprints

 **32**
Sponsors

 **37,276**
Page Views

 **448**
Podcast
Downloads

 **\$99,000**
Raised

INTERNATIONAL CODE COUNCIL
**BUILDING
SAFETY** 

Preparing for the Future

As an association, we are working with stakeholders in a variety of different fields to ensure a safe, resilient and sustainable future.

General Code's eCode360 Maplink

The new eCode360 MapLink powered by Zoninghub provides easy access to essential zoning requirements at a parcel level by integrating information from the local code of ordinances with Geographic Information Systems mapping capabilities displayed in the eCode360 platform.

ICC-ES Marketing Claim Verification Program

The Marketing Claim Verification Program further educates consumers by verifying marketing claims through an objective and impartial process developed by ICC-ES. The verification process involves extensive claim review, evaluation and testing. Once the manufacturer's claim is verified, ICC-ES issues a marketing claim verification report that is published online and available to the public.

ANCR

The Alliance for National & Community Resilience laid the foundation for the development and deployment of the 19 benchmarks which comprise the Community Resilience benchmarks (CRB)—ANCR's tool for communities to evaluate and enhance their resilience.

Ad Hoc Committee on Building Safety & Security

The Code Council Board of Directors established an ad hoc committee to comprehensively explore and assess building safety and security.

FDA Recognizes IAS

The U.S. Food and Drug Administration announced its recognition of the International Accreditation Service as an accreditation body under the Accredited Third-Party Certification Program for a period of five years. FDA certification bodies can conduct food safety audits and issue certifications of foreign food facilities (including farms).



Annual Conference by the Numbers



1,700
Registrants



89%
Overall
Satisfaction



81%
Attended
to network
with
colleagues



64%
Attended for
Education



Highest
Number of
Vendors since
2008



\$163k
in Sponsor
Sales

Emory Rodgers Leadership in Building Safety Fellowship

To commemorate his everlasting influence as a mentor and visionary leader, at the 2018 Annual Conference, the Code Council announced the creation of the Emory Rodgers Leadership in Building Safety Fellowship.

Emory Rodgers spent more than four decades devoting himself to the building safety profession and to the ongoing development of the I-Codes. As a leader in the industry and in the Code Council community, he put forth unprecedented efforts in educating and preparing the next generation of building safety professionals.

This fellowship is available annually to one building safety professional to develop leadership skills through an eligible executive development program. The Fellowship will afford up to \$20,000 to cover the full cost of the educational program and the award recipient's travel to and from the program.



2018 Publications

Major New Releases

- 2018 *International Green Construction Code*®.
- *Commentaries* for the 2018 IBC®, IRC®, IFC®, IPC®, IEBC®, IECC® and IPMC®, as well as ICC A117.1-2017
- 2018 *Essentials* series for the IBC, IRC, IFC, IECC, and—new for 2018—the IEBC
- *Study Companions* and *FlashCards* were updated to 2018
- 2018 IBC *Illustrated Handbook*
- *Building Community Resilience through Modern Model Building Codes*
- *Seismic and Wind Forces: Structural Design Examples Updated to the 2018 IBC and ASCE/SEI 7-16*
- *2018 International Solar Energy Provisions*™
- *Wind Design Manual*
- *CSA B805-18/ICC 805-2018: Rainwater Harvesting Systems*



New Regional Codes

The Code Council published custom codes for a variety of regions:

-  Allegany County
-  Michigan
-  North Carolina
-  Virginia
-  Connecticut
-  New Jersey
-  Ohio
-  Haiti
-  Kentucky



ICC Leadership

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Greg Wheeler, CBO



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Cindy Davis, CBO



Immediate Past President
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Stuart D. Tom, P.E., CBO, FIAE

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John Belcik
Chief Operating Officer and Chief Financial Officer



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General Code

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The Dow Chemical Company

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Simpson Strong-Tie Company, Inc.

Scott McCormick

Fire Official, Hamilton Township Fire District No. 7

Catherine Low, S.E., P.E.

Structural Engineer, C.A.P. Low SE

Frank Nunes

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Director of Building and Housing, City of Milpitas, CA

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Vice President and Regional Manager, Pacific Southwest Region of the Laborers’ International Union of North America

President, Raj Nathan

International Accreditation Service

ICC Board Liaison, Stuart D. Tom, P.E., CBO, FIAE

President, JAS Pacific, Inc.

Shahriar Amiri, CBO

Chief Building Official and Inspection Services Director, Arlington (VA) County Government

Devang K. Jhaveri

Founder/Owner, Global Manager Group

Osama Younan

Executive Officer, City of Los Angeles Department of Building and Safety

Jeff Gust

Chief Corporate Metrologist, Fluke

Khaled Awad

Chairman and Founder, ACTS

Sergio Ascunce

Building, Zoning and Planning Director, Village for Key Biscayne, FL



2018

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YEAR IN REVIEW



iccsafe.org
icc-es.org
iasonline.org
skghoshassociates.com
generalcode.com
resilientalliance.org

