

FORO INTERNACIONAL

EDIFICACIONES SUSTENTABLES Y LA NORMALIZACIÓN

11 de abril de 2019

Torre de Ingeniería – UNAM

PANEL 1. MARCO NORMATIVO DE LA CONSTRUCCIÓN RESILIENTE Y SUSTENTABLE

**“The U.S. Building Safety Regulatory System:
Origin, Evolution, Adaptation”**

Judy Zakreski

Vice President of Global Services

International Code Council

The Building Safety Ecosystem

Legal Framework

Federal Enabling
Act
(law)

Federal/State
Laws
(implementation)

Local Regulations
(enforcement)

Building Regulations

Model Codes

Compliance
Mechanism

Accountability

Prescriptive Standards

Technical References
(compulsory or
voluntary)

Conformity
Assessment

Certification
Schemes

Model Building Codes in the United States

Minimum requirements for public safety, health & welfare in the built environment

Public-Private Partnership, led by NGOs

Decentralized - no national building code

Locally adopted, normally with modifications/additions

Enforcement at the local level

International Code Council Overview

ICC Facilitates Code Development

Updated on a 3-year Cycle

Owns IP, Publishes Codes

ICC Offers Services to Support Code Implementation

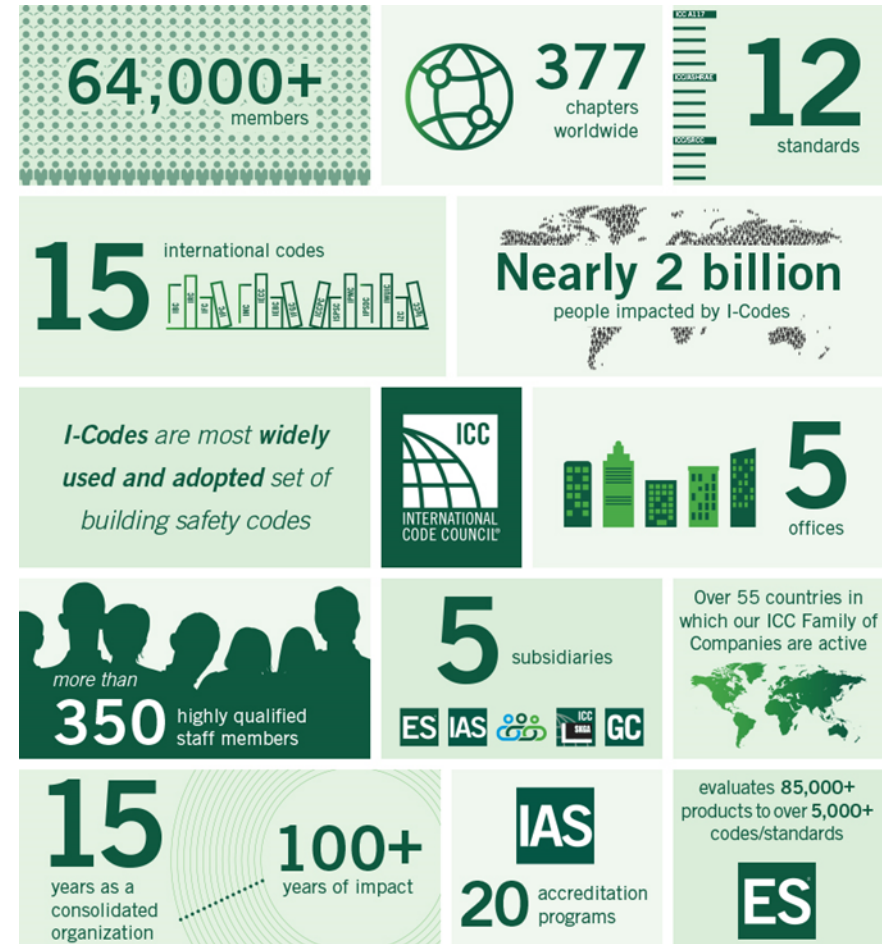
Training & Education

Testing & Certification

ICC Provides Conformity Assessment to Ease Enforcement

Product Evaluation

Accreditation



The Family of I-Codes®



- ▶ International Existing Building Code
- ▶ International Property Maintenance Code
- ▶ ICC Performance Code
- ▶ International Fuel Gas Code
- ▶ International Zoning Code
- ▶ International Energy Conservation Code
- ▶ International Wildland-Urban Interface Code
- ▶ International Private Sewage Disposal Code
- ▶ International Mechanical Code
- ▶ International Plumbing Code
- ▶ International Swimming Pool and Spa Code
- ▶ International Green Construction Code
- ▶ International Fire Code
- ▶ International Residential Code
- ▶ International Building Code

The I-Codes® are International Standards



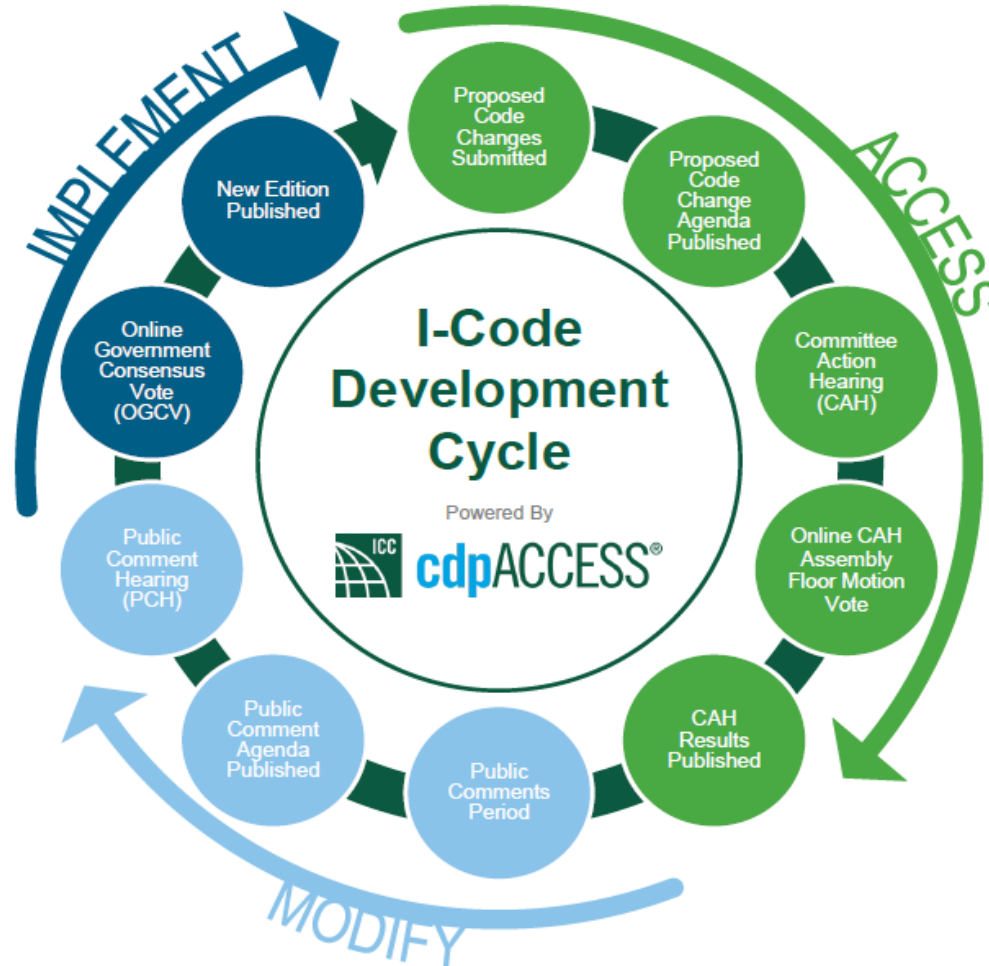
Consensus-
based

Compliant with
WTO TBT/US A-119

Updated every three years through
an open, transparent process

Overview of the Code Change Process

The International Code Council develops the International Codes, a coordinated modern set of building codes used in all 50 U.S. states and many countries. Changes are made to the I-Codes through a transparent and inclusive consensus-based process. The Code Development Process allows for continual improvement of the I-Codes.



Group A (2018)

- IBC (except structural)
- IFC
- IFGC
- IMC
- IPC
- IPMC
- IPSDC
- IRC-M
- IRC-P
- ISPSC
- IWUIC
- IZC

Group B (2019)

- IBC Structural
- IEBC
- IECC-C
- IgCC
- IRC-B
- Chapter 1 (Scope & Administration) of all Codes
- Updates to Referenced Standards

Global Use of the I-Codes®*



Aspects of an Efficient Regulatory System

- ▶ Strong Legal Framework
- ▶ Strong Model Codes
- ▶ Product & Personnel Certification
- ▶ Product Testing
- ▶ Accreditation Schemes
- ▶ Capacity Building for Code Implementation & Enforcement
- ▶ Inspections
- ▶ Construction Permits & Occupancy Schemes



ICC Evaluation Service (ICC ES)

Leader in US in evaluating building products for code compliance



International Accreditation Services (IAS)

Accreditation Programs (Building Department, Fabricator Inspection, Inspection Agencies, Product Cert. Agencies, Testing Labs, etc.)

Thank you!

Questions?

Judy Zakreski

Vice President of Global Services

International Code Council

jzakreski@iccsafe.org

Phone/SMS +1 202 730 3978