

ICC Code Development Process

January/2018

ICC Code Development

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ICC Vision

Protect the health, safety and welfare of people by creating safe buildings and communities

ICC Mission

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

The I-Codes

15 Codes

- **Building, Residential: IBC, IRC**
- **Fire, Wildland-Urban Interface: IFC, IWUIC**
- **Fuel Gas, Mechanical, Plumbing, Pool: IFGC, IMC, IPC, IPSDC, ISPSC**
- **Existing Buildings, Property Maintenance: IEBC, IPMC**
- **Energy, Green, Performance, Zoning: IECC, IgCC, ICC Performance (ICC PC), IZC**

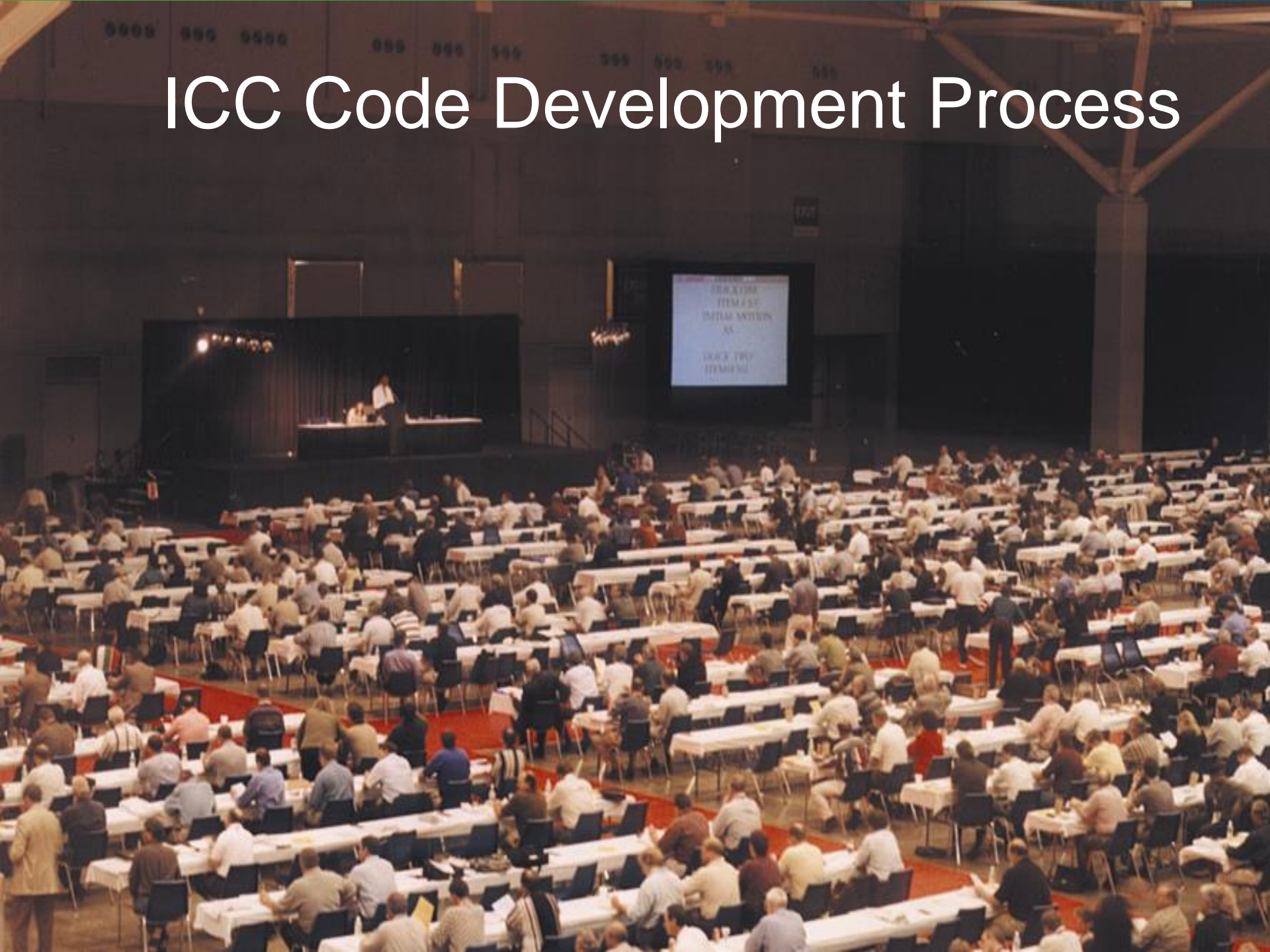
The I-Codes

- **Each code is comprehensive**
- **All codes are coordinated and compatible with each other**
- **All codes reference consensus standards developed by Standard Developing Organizations (SDO's)**

Coordination of I-Codes

- **Defined scope of each code**
- **Interdependence and reliance on the entire family of codes**
- **Cross referencing and duplication of provisions within code scopes**

ICC Code Development Process



Goal

Utilize a process open to all parties with safeguards to avoid domination by proprietary interests. ICC Governmental Consensus Process achieves this with the final vote resting with those administering, formulating or enforcing regulations relating to public health, safety and welfare.

Code Committees

- **Representation of interests**
- **General: Consumers, Regulators**
- **Producer: Builders, Contractors, Manufacturers, Material Associations, SDO's, Testing Labs**
- **User: Academia, Designers, Research Labs, Owners, Product Certifiers**
- **Not less than 33% of each committee are Regulators**

Code Committees

- **Call for committee posted in January of year proceeding cycle**
 - **2018/2019 Cycle: Post January/2017**
- **Applications due in June of year proceeding cycle**
 - **2018/2019 Cycle: Due June/2017**
- **Applications reviewed by the Codes and Standards Council who makes recommendations to the ICC Board**
- **Committees appointed by the ICC Board**

Code Committees

- **17 Code Committees:**
 - **IBC 4 Subcommittees: Egress; Fire Safety; General; Structural**
 - **IEBC**
 - **IFC & IWUIC combined**
 - **IFGC**
 - **IMC**
 - **IPC & IPSDC combined**
 - **IPMC & IZC combined**
 - **IRC 2 Subcommittees: Building; Mechanical/Plumbing**
 - **ISPSC**
 - **Energy – 2 Committees: Commercial (IECC); Residential (IRC & IECC)**
 - **Administrative Provisions Committee - Chapter 1 of all I-Codes (with exceptions such as IECC, IgCC and IRC) and updates to currently Referenced Standards**
 - **IgCC – see next slide**

IgCC

- **ICC partnership with ASHRAE to jointly develop and maintain the IgCC**
 - ICC responsible for the development of Chapter 1
 - Technical provision developed by ASHRAE via ASHRAE 189.1 standard process
- **2018 IgCC will be the first edition under this new process**

ICC Performance Code

- The ICC Performance Code does not have a separate code committee responsible for its maintenance
- Code topics are assigned to one of the other 16 code committees relative to maintenance responsibilities
- See the scoping designations, for example [BG], in the section titles in the code
 - [BG] 301.1 Purpose.
 - This section is maintained by the IBC – General committee [BG]

The Players

- **Code officials**
- **Design professionals**
- **Code consultants**
- **Trade associations**
- **Builders/contractors**
- **Manufacturers/suppliers**
- **Government agencies**
- **Anyone with an interest**

The Process

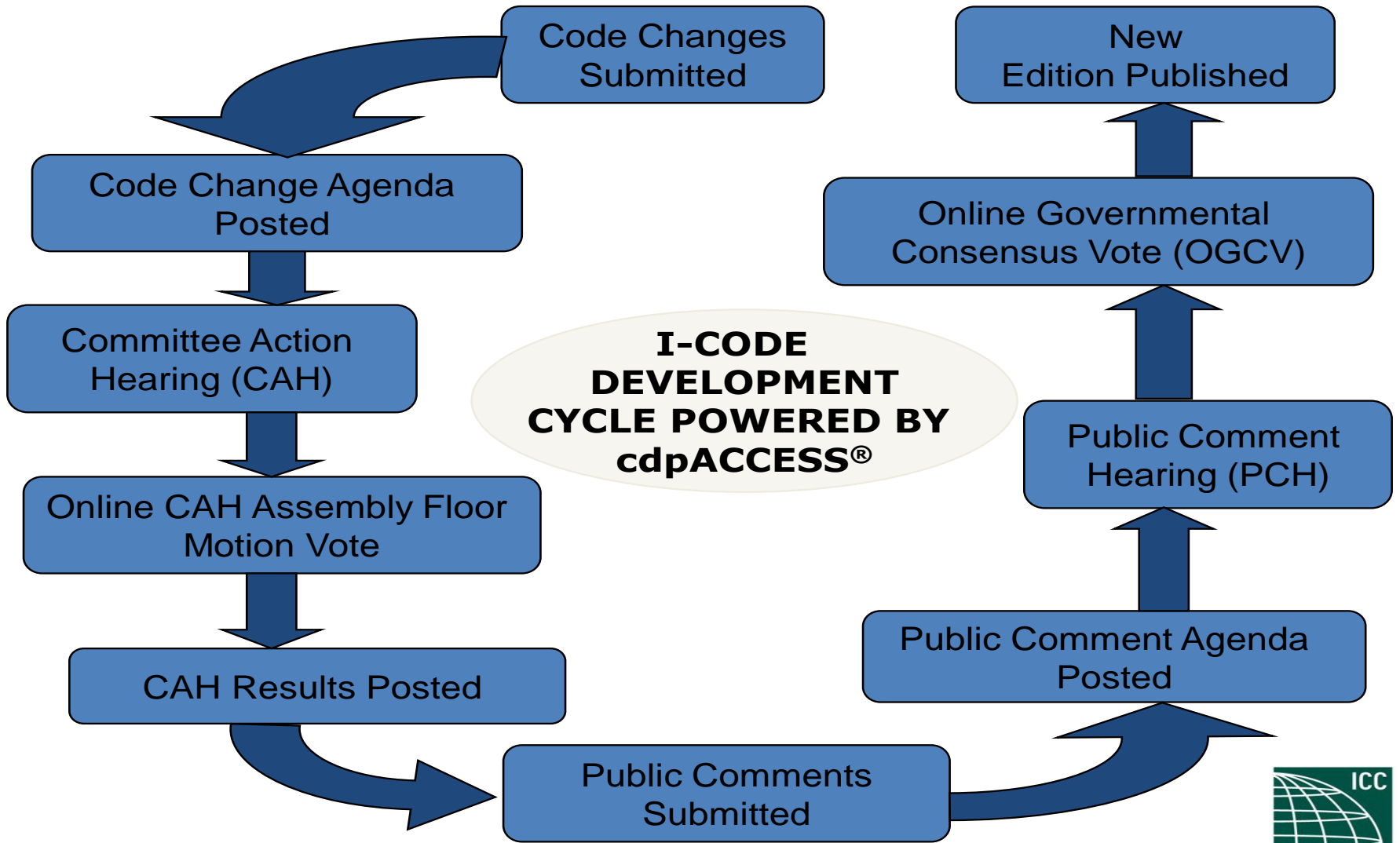
- **Open**
- **Transparent**
- **Balance of Interest**
- **Due Process**
- **Consensus**
- **Appeals Process**

I-Code Coordination

- **Code Correlation Committee (CCC) determines which committee to consider the code change (“scoping”)**
- **Duplication between codes - maintained by one code committee**
 - **Fire sprinklers : Identical provisions in IFC Section 903 and IBC Section 903. In Section 903 of the IBC, there is an “[F]” prior to the section number. This indicates that code changes are heard by the IFC Code Committee. (See Scoping slides)**

The Procedures

- **All aspects of the ICC Code Development Process are regulated by published procedures which are approved by the ICC Board of Directors.**
 - **Council Policy (CP) 28 - Code Development**
 - **CP 44 – Code Correlation Committee**
 - **CP 7 - Committees and Members**
 - **CP 1 - Appeals**



Typical Cycle Snapshot

- **Code Change deadline: Typically during second week in January (with flexibility to accommodate Holidays)**
- **Committee Action Hearings: Apr-May**
- **Public Comment Hearings: Oct-Nov**

Typical Cycle Snapshot

- **Edition published**
 - 2018 Edition published Sept/2017
- **2018/2019 Cycle**
 - Group A: Code Changes due Jan 11, 2018
 - Group B: Code Changes due Jan 7, 2019
- **Edition published**
 - 2021 Edition in 2020

Current Code Groupings

- **Group A codes**
 - IBC (except Structural), IFC, IFGC, IMC, IPC, IPMC, IPSDC, IRC – M, IRC – P, ISPSC, IWUIC, IZC
- **Group B codes**
 - IBC Structural, IEBC, IECC -C, IECC-R/IRC – E, IgCC (Ch. 1), IRC – B
 - **Administration: Chapter 1 of all Codes except IECC, IgCC and IRC; updates to currently Referenced Standards**

I-Code Scoping

- Review code to be updated
- Look for [X] next to section number
- Identify code with maintenance responsibility based on “X”
- Review Preface of code for identification of code committee “X”
- Submit code change to code group with maintenance responsibility

Scoping – Within a Group

- **Code: IMC (Group A)**
- **Section: [BF] 607 DUCT AND TRANSFER OPENINGS**
- **[BF] indicates IMC Section 607 maintained by the IBC Fire Safety code committee (Group A)**
- **Code changes to this IMC section to be submitted with IMC code changes as part of Group A codes and to be considered by the IBC – Fire Safety code committee**

Scoping – Outside of a Group

- **Code: IEBC (Group B)**
- **Section: [FG] 702.6.1 International Fuel Gas Code**
- **[FG] indicates IEBC Section 702.6.1 maintained the IFGC committee (Group A)**
- **Code changes to this IEBC section to be submitted with IFGC code changes as part of Group A codes**

Scoping – Chapter 1 [A]

- Code changes to Chapter 1 of all codes (except IECC, IgCC and IRC) heard by Administrative Provisions Committee in Group B
- Code changes to Chapter 1 of the IECC, IgCC and IRC heard by applicable Code Committee in Group B
- The purpose of this assignment is to have a single code committee evaluate consistency in the administrative provisions in the family of I-Codes. The IECC, IgCC and IRC are unique in this regard.

Scoping by Committee

- A document is posted on the ICC website entitled “Group A and Group B Code Development Committee Responsibilities 2018-2019” which outlines scoping considerations

Code Change Submittal

- Code change deadline posted
- Anyone can submit a code change
- Submit online via cdpACCESS®
- Name and entity represented
- Copyright release
- Proposed language:
 - Legislative revisions to current text: Underline proposed new text and ~~strike-out~~ text to be deleted
- Substantiate change with reasons and supporting documentation
- Provide cost impact information and substantiation

Reference Standards

- **Currently Referenced Standards**
 - ICC contacts SDO's to determine which standards will be updated and completed by December 1st of third year in cycle (per CP 28)
 - ICC publishes list of standards as an Administrative Provisions code change (Group B)

Reference Standards

- **Proposed new Reference Standard**
 - Submitted as a code change with the scope and application of the proposed standard identified in the code text
 - Code change submitted to the applicable Group A or B code group
 - Standard must be completed and published by the Public Comment Hearings for the applicable code group

Staff Review of Code Changes

- **Form and format: Based on current text and in legislative format**
- **Reason/Documentation**
- **I-Code coordination**
- **Bibliography**
- **Cost impact and substantiation**
- **New referenced standard compliance**
- **Copyright release**

Staff Review

- **Staff contacts code change proponent as necessary to assist in processing the code change**
- **Editorial code changes reviewed/acted on by Code Correlation Committee**
- **Code changes posted: Approx. 45 days prior to Committee Action Hearings (30 days minimum per CP28)**

Committee Action Hearings (CAH)

- **Public hearing**
- **Applicable Group A or B code committee presides over hearing**
- **Anyone can attend and participate/testify**
- **No cost to attend/participate/testify**
- **All committee actions and reasons for action published**

CAH Modifications

- **Regulated by Section 5.5.2 of CP28**
- **Must be within the scope of the original submittal**
- **Submitted online via cdpACCESS**
- **Proposed during hearing testimony**
- **Chair procedural ruling in/out of order**
- **Viewed online via cdpACCESS**
- **Hearing testimony on modification only**
- **Committee under no obligation to consider the modification in their deliberations**

CAH Process Changes

- Hearing order changes now require proponent approval if in attendance (CP28: 5.4.4.1)
- Tabling of code changes is now explicitly permitted. In order to table, the tabled location must either be agenda specific or a time specific location (CP28: 5.4.5)

CAH Committee Action

- **Committee action (50% majority)**
 - **Approval as Submitted (AS)**
 - **Approval as Modified (AM) based on a modification presented and discussed during testimony**
 - **Disapproval (D)**

CAH Assembly Motion

- **Anyone in attendance at the CAH can make a motion noting disagreement with the committee action. A second to the motion is required.**
- **Assembly motions are voted online via cdpACCESS by ICC members following the CAH**
 - **Voting opens approximately 2 weeks after the close of the CAH. Open for 2 weeks.**
 - **The online voting process includes access to the video of the CAH hearing testimony**
- **A successful vote on an assembly motion (simple majority) results in an automatic public comment to be considered at the Public Comment Hearings**

Report of Committee Action Hearings

- **Committee action**
- **Committee modifications, if any**
- **Reason for committee action**
- **Results of the Assembly Motion vote, if any**
- **Posting: Approx. 30 days after Committee Action Hearings**

Public Comment Submittal

- **Public Comments on Report of Committee Action Hearings – due approximately 60 days after report posted**
- **Allows anyone to submit a comment in response to the results of the Committee Action Hearings**

Public Comment Submittal

- **Submit Public Comment online via cdpACCESS**
- **Note disagreement with the committee action and why**
- **Note disagreement with the assembly action and why**
- **Propose revisions to the code change. Revisions must be within scope of original proposal. Revisions proposed in legislative format with supporting reasons and documentation**
- **Copyright release**
- **Provide cost impact information and substantiation (New in 2018)**

Public Comment Submittal

NEW IN 2018

- **Provide cost impact information and substantiation on the submitted public comment for further modifications. The proponent of the public comment must identify the cost impact of the code change proposal if the code change proposal is approved with a public comment modification.**

Staff Review of Public Comments

- **Form and format: Based on proposed code change with legislative revisions to code change**
- **Scope consistent with original code change or committee/assembly action**
- **Reason/Documentation**
- **Cost impact and substantiation**
- **Copyright release**
- **Staff contacts commenter as necessary to assist in processing the comment**

Public Comment Agenda

- **Public Comment Agenda includes:**
 - **Original code change with the committee action and successful assembly action (if any)**
 - **Public commenters requested action, including modifications to the code change in legislative format, with reasons and documentation**
- **Posting - Approx. 45 days prior to Public Comment Hearings (minimum 30 days per CP28)**

Public Comment Hearings

- **Public hearing**
- **Anyone can attend and testify. No cost to attend and participate/testify at the hearings**
- **Agenda**
 - **Consent agenda: Block vote CAH actions on all code changes which did not receive a public comment or successful assembly action**
 - **Individual Consideration Agenda: Vote individually each code change which received a public comment or successful assembly action**

PCH Hearing process changes

- **Hearing order changes require proponent approval if in attendance (CP28: 7.5.2.1)**
- **Tabling of code changes permitted. In order to table, the tabled location must either be agenda specific or a time specific location (CP28: 7.5.3)**

Public Comment Hearings

- **In person hearing and vote on whether or not to change the code rests with the ICC Governmental Member Voting Representatives (GMVRs) – those who administer, formulate or enforce the regulations and are charged with the public’s health, safety and welfare**
- **In person PCH vote sets the agenda for the final step in the process – the Online Governmental Consensus Vote**

Online Governmental Consensus Vote (OGCV)

- Online ballot of the PCH results. Vote limited to GMVR's but anyone can access the ballot on cdpACCESS
- OGCV opens approximately 2 weeks after the close of the PCH. Open for 2 weeks.
- OGCV regulated by Section 8.0 of CP28.
- OGCV occurs via cdpACCESS and includes
 - Video of CAH and PCH hearing testimony
 - Public comment agenda for the specific code change
 - PCH result and vote count
 - PCH approved modifications incorporated into the original code change
 - Allowable OGCV actions (see next slide)

OGCV actions

Committee Action	Public Comment Hearing result and Voting Majority	Online Governmental Consensus Ballot and Voting Majority	
AS	AS: Simple Majority	AS: Simple Majority	D: Simple Majority
	AMPC: 2/3 Majority	AMPC: 2/3 Majority	D: Simple Majority
	D: Simple Majority	AS: Simple Majority	D: Simple Majority
AM	AS: 2/3 Majority	AS: 2/3 Majority	D: Simple Majority
	AM: Simple Majority	AM: Simple Majority	D: Simple Majority
	AMPC: 2/3 Majority	AMPC: 2/3 Majority	D: Simple Majority
	D: Simple Majority	AM: Simple Majority	D: Simple Majority
D	AS: 2/3 Majority	AS: 2/3 Majority	D: Simple Majority
	AMPC: 2/3 Majority	AMPC: 2/3 Majority	D: Simple Majority
	D: Simple Majority	AS: 2/3 Majority	D: Simple Majority

Final Action

- **Section 10.1 of CP28**

“Following the closing of the online ballot period, the votes received will be combined with the vote tally at the Public Comment Hearing to determine the final vote on the code change proposal”

Coordination of Final Actions

- **The Code Correlation Committee (CCC) resolves correlation issues**
- **The process by which the CCC resolves such issues is an open and transparent process regulated by CP44 Code Correlation Committee**
- **See Section 11.2 of CP28 and the process outlined in CP44**

Results

- **First edition of full family of I-Codes in 2000**
- **Editions follow every 3 years**
- **2018 Edition published in 2017**
- **2021 Edition to be published in 2020**

Hearing Webcasts

- **Debut at 2002 Committee Action Hearings**
- **All subsequent hearings (Committee Action and Public Comment) webcast**
- **Streaming video and audio**
- **Internet access on your computer**

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**BE SURE TO VISIT THE ICC WEBSITE AND
VIEW THE cdpACCESS POWERPOINTS AND
RECORDED WEBINARS FOR FULL DETAILS
ON THIS EXCITNG PROCESS**



ICC Website

- **All code development documents are posted.**
- **All information including schedules, procedures, code change cycle documents and a historical record of past cycles is posted (see next slide)**

Website Links

- **cdpACCESS**
 - Online submissions/vote: [Login](#)
 - cdpACCESS website: [cdpACCESS](#)
 - PowerPoints/Tutorials/guidance: [Information](#)
- Current cycle postings: [Current Cycle Postings](#)
- Code cycle archives: [Cycle archives](#)
- Council policies: [CPs](#)

Conclusion

The ICC remains dedicated to a single family of comprehensive and coordinated model codes. The ICC code development process allows all interests to actively participate in the update of each and every I-Code.

Questions?

- **Contact**
 - **Mike Pfeiffer, PE**
 - **SVP, Technical Services**
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 - **mpfeiffer@iccsafe.org**
 - **888 – ICC – SAFE, ext. 4338**