Understanding how to participate in the International Code Council’s code development process.
Agenda

- Overview: Mass Timber and the ICC Ad Hoc Committee Code Proposals
- IBC Development Process Overview
- ICC Process Participation
- Designating Voters: A Step-by-Step Overview
What are Tall Mass Timber Buildings?

Mass Timber

• Engineered Wood Products (EWP)
  • Cross-laminated timber (CLT)
  • Nail-laminated timber (NLT)
  • Glued-laminated timber (glulam)
  • Structural composite lumber (SCL)
What are Tall Mass Timber Buildings?

• Strength and resilience comparable to traditional tall building materials
• New opportunities to construct safe and efficient tall wood buildings
• Not a new idea
  • Europe – 20 years of tall mass timber buildings
  • Just beginning in U.S.
• Excellent fire safety
  • 3-hour fire rated wall assembly
• Construction
  • Safer
  • More cost-effective
  • Less noisy
  • Requires fewer laborers
TWB Project & Committee

PROJECT SCOPE

December 2015: ICC Board established ICC Ad Hoc Committee on Tall Wood Buildings (AHC-TWB)

• Explore science of tall wood buildings
• Investigate feasibility and develop tall wood building code changes

AD HOC COMMITTEE

ICC Board recognized need for consensus committee comprised of:

• Stakeholders
• Reps from building construction material industries
• Building and Fire Officials
• Architects and engineers
• Fire protection experts
• Other construction-related stakeholders
ICC Code Development Process

- Code Changes Submitted
- Committee Action Hearing (CAH)
- Online CAH Assembly Floor Motion Vote
- CAH Results Posted
- Public Comments Submitted
- New Edition Published
- Online Governmental Consensus Vote (OGCV)
- Public Comment Hearing (PCH)
- Public Comment Agenda Posted

I-CODE DEVELOPMENT CYCLE POWERED BY cdpACCESS®

- Starts approx. two weeks after the PCH and lasts for two weeks
- October 23-31
- Ends July 16
Committee Action Hearing Recap

• Took place in Columbus, OH, from April 15-23, 2018

• Committee heard nearly 2-hours of testimony
  • Vast majority in favor of AHC-TWB proposals

• All relevant code proposals passed by wide margins
  • Thirteen proposals approved 13-2
  • One approved 14-1
  • None subjected to assembly floor action motion
Mass Timber Code Proposals for 2021 IBC

1. **G108-18**: New Type IV-A, Type IV-B, and Type IV-C construction designations
2. **FS5-18**: Tests to establish fire-resistance-rating of mass timber components
3. **FS81-18**: Noncombustible protection contribution to mass timber fire resistance
4. **FS6-18**: Requires sealant at abutting edges and intersections of mass timber components
5. **FS73-18**: Recognize mass timber as suitable fireblocking material
6. **G28-18**: Type IV-A and IV-B buildings >120 ft. to have at least 2 fire pumps connected to mains
7. **F88-18**: Expands owner requirements to inspect all required fire-resistance-rated construction
8. **F266-18**: Details fire safety requirements for mass timber buildings under construction
9. **G75-18**: Allowable building height for Type IV-A, IV-B, and IV-C structures
10. **G80-18**: Allowable number of stories for Type IV-A, IV-B, and IV-C structures
11. **G84-18**: Allowable area for Type IV-A, IV-B, and IV-C structures
12. **G146-18**: Creates Type IV-HT (heavy timber) structure category – distinct from mass timber
13. **G152-18**: Ensures consistency regarding Type IV-HT – distinct from mass timber
14. **G89-18**: Requirements for mass timber fire barriers or horizontal assemblies

ICC Code Development Process Participation
Who Is Eligible to Vote in the IBC Process?

All voters must be designated by registered government agencies

Eligible government agencies include…

**Government Units**

Departments or agencies engaged in administration, formulation, implementation or enforcement of laws, ordinances, rules or regulations relating to public health, safety and welfare
ICC Governmental Member Voting Representatives

• “Each Governmental Member shall exercise its right to vote through its designated Governmental Member Voting Representatives, and shall be entitled to the number of Governmental Member Voting Representatives as specified in Table 2.1.1.1.”

<table>
<thead>
<tr>
<th>Population</th>
<th>Voting Representatives</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 50,000</td>
<td>4</td>
</tr>
<tr>
<td>50,001 to 150,000</td>
<td>8</td>
</tr>
<tr>
<td>Over 150,000</td>
<td>12</td>
</tr>
</tbody>
</table>

• State and Federal agencies = max 12 votes per unit or department
• Voting limitation: 1 person = 1 vote

Bylaws for the International Code Council
2018 Key Dates for ICC Participation

- September 23 - Deadline to Designate GMVRs
- October 23-31 - Public Comment Hearings
- Approx. November 15 - Online voting opens
- Approx. December 1 - Online voting closes
Validating Eligible Voters

• ICC online tool for **eligible entities** to designate voters
  • Primary Representative go to [www.iccsafe.org/EVDS](http://www.iccsafe.org/EVDS)
  • Short online questionnaire
  • Designation as Governmental Member Voting Representative (GMVR)
  • 2018 code development balloting

• ICC reviews information and either
  • Validates individual to serve as GMVR at ABM/PCH
  • Contact Primary Representative for additional information
Who needs to use Electronic Voter Validation System?

Every Governmental Member that intends to have GMVRs validated for this year's code development cycle and Annual Business Meeting **must** use this online tool to designate Member's voting reps – even those GMVRs who have voted in the past

www.iccSAFE.org/EVDS
Upcoming GMVR 2018 Voting for 2021 IBC

GMVR Voting opportunities

• the online voting for the Assembly Floor Motion following the Committee Action Hearing (via cdpACCESS™);

• In-person voting at PCH

• Online Governmental Consensus Vote following PCH
  • via cdpACCESS

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Voting Rules and 2016 Online Votes

• 2/3 majority advanced any issue

• 50% + 1 – simple majority – advanced some issues

• 2016 Online Governmental Consensus Vote
  • 577 total code change proposals considered
  • Maximum votes cast on a single proposal = 780
  • Minimum number of votes = 158
Critical Dates

Applications – new or updated – for GMVR status must be received by ICC **30 days prior to first day of PCH** in order for any designated representative to be eligible to vote

- GMVRs must be designated by **September 23, 2018**
- Online Government Voting Period – **November 15 to December 1, 2018**

Sec. 9 ICC Council Policy 28 -05 Code Development
Primary Representative registers and signs in to designate Governmental Member Voting Representatives
From the MY ICC page, select “Voter Validation”
Scroll down to click on “Validate” link (off screen) and complete the two question survey

Representatives can be added by completing a short questionnaire
Use the "Add Representative" button below (off-screen) and complete the short questionnaire.
Enter organization & voter information

Complete Question 1 & Question 2 from drop down choices
Question 1: The ICC Bylaws require that all voters “shall be employees or officials of the Governmental Member or departments of the Governmental Member, provided that each of the designated voting representatives shall be an employee or a public official actively engaged either full or part time, in the administration, formulation, implementation or enforcement of laws, ordinances, rules or regulations relating to the public health, safety and welfare.” Please choose the description that best describes this voter’s duties.

Please select:

- Administers the laws, ordinances, rules or regulations of this Governmental Member.
- Formulates the laws, ordinances, rules or regulations of this Governmental Member.
- Implements the laws, ordinances, rules or regulations of this Governmental Member.
- Enforces the laws, ordinances, rules or regulations of this Governmental Member.

Question 2:
Question 2

Drop-down choices

- Paid Employee of the Governmental Member
- Third-Party Contractor of the Governmental Member
- Elected official of this Governmental Member
- Other - (Please specify.)
State of California

Arnold Schwarzenegger

Question 1: The ICC Bylaws require that all voters "shall be employees or officials of the Governmental Member or departments of the Governmental Member, provided that each of the designated voting representatives shall be an employee or a public official actively engaged either full or part time, in the administration, formulation, implementation or enforcement of laws, ordinances, rules or regulations relating to the public health, safety and welfare." Please choose the description that best describes this voter’s duties.

Enforces the laws, ordinances, rules or regulations of this Governmental Member.

Question 2: This Voter is a(n) (choose one).

Paid Employee of the Governmental Member.

I hereby affirm that the information I have provided is true and accurate in all respects. I understand that ICC membership and voting status is subject at any time to review by ICC. I also understand that choosing the "Save" button is equivalent to my signature and confers on me the responsibility as to the accuracy of all statements herein.
After a voter is validated or revalidated they are designated as a 2018 voting representative.

The primary representative can edit or remove this voter at any time.

Governmental Member:

Maximum Voting Representatives: 4

Previously Validated Voting Representatives:

[+] Add Representative

<table>
<thead>
<tr>
<th>Your 2018 Voting Representatives:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Arnold Schwarz...</td>
<td>Edit</td>
</tr>
<tr>
<td>3) Pete Wilson</td>
<td>Edit</td>
</tr>
</tbody>
</table>

* You will receive an email from the Code Council confirming eligibility of your voting representatives upon completion of the validation review process.
Emailed confirmation of voting representative eligibility
Sign in to check voting representative status
Search for Governmental Members

Search criteria - Use your agency information to check on GMVR status
Checking voter status

Key: Names in **blue** have been validated for the current Code Development Cycle as Governmental Voting Representatives. Names in **red** are not current and must be updated to vote in the current Code Development Cycle. To validate voter, the Primary Contact may click here.

Validate voters

- Jack Lemmon
- Art Carney
- Warner Baxter
- Daniel Kaluuya
- Mary Pickford
- Charles Laughton
- Norma Shearer
- Marie Dressler
- Lionel Barrymore
Questions?

www.clemson.edu/wud for links to this presentation and to the recorded webinar

https://www.iccsafe.org/cdpaccess/ for helpful info on cdpACCESS (the online voting system)