

**CODES AND STANDARDS COMMITTEE  
CODES AMENDMENT SUBCOMMITTEE (CAS)**

Wednesday, December 18, 2024 @ 1:30 PM, Microsoft Teams Meeting (on-line)

**AGENDA**

- 1. CALL TO ORDER**
- 2. ATTENDANCE**
- 3. APPROVAL OF CAS MINUTES**
- 4. COMMUNICATIONS**

<b>Subject &amp; Date Received</b>	<b>From / To</b>	<b>Description</b>
a.		RE: ACTION _____ _____
b.		RE: ACTION _____ _____

**5. OLD BUSINESS**

- a. 2025 Connecticut State Building Code and Fire Safety Code Development
  - i) General Discussion
    - (1) Office of State Fire Marshal Report
    - (2) Office of State Building Inspector Report
    - (3) CAS Code Development Schedule
  - ii) Work Group Updates
    - (1) Accessibility (Presentation made on 02/28/2024; Presentation for 2023 ICC A117.1 Accessible and Usable Buildings and Facilities Standard made on 08/28/2024)
    - (2) Plumbing - Commercial (Presentation made on 03/13/2024)
    - (3) Mechanical - Commercial (Presentation made on 03/27/2024)
    - (4) Electrical (Presentation made on 04/10/2024, Update on 06/26/2024)
    - (5) IBC General (Presentation Part 1 – Chapters 2, 12, 13, 24-26, 30-35 made on 05/08/2024; Presentation Part 2 – Chapters 3 to 10 made on 08/28/2024)

- (6) Existing Building (Presentation made on 05/22/2024)
  - (7) Fire Safety, Fire Prevention (Presentation made on 07/10/2024)
  - (8) Structural (Commercial only presentation made on 07/24/2024; 2024 IRC Chapter 4-6 and 8 tentatively scheduled for 01/08/2025)
  - (9) Energy (Presentation made on 10/23/2024 and 11/13/2024)
  - (10) Resiliency (Presentation made on 10/09/2024)
  - (11) IRC General, Pool & Spa (Presentation made on 09/11/2024)
  - (12) IRC Mechanical, Plumbing, Electrical (Presentation made on 09/25/2024)
  - (13) PA 23-102 - Gas Detection (Presentation tentatively scheduled for 01/22/2025)
  - (14) PA-24-151 - Three- and Four-Unit Residential Buildings (Presentation tentatively scheduled for 01/08/2025)
  - (15) PA-24-151 - Residential Occupancies Single Exit (Presentation made on 11/13/2024)
- iii) Proposed Subcommittee Meeting Schedule (Two-Month Look Ahead)
- (1) December 18, 2024 Code Change Proposals
    - CAS Discussions and Votes
  - (2) January 8, 2025 PA 24-151 - Three- and Four-Unit Residential Buildings Work Group Presentation
    - 2024 IBC (Chapters TBD),  
2024 IFC (Chapters TBD).
    - CAS: Johnny Carrier, Anthony Cinicola, Terry Deveney,  
Keith Flood, Tim Mikloiche, Michael Sinsigalli.  
OSFM: Omarys Vasquez, Dave Woods.
  - (3) January 22, 2025 Gas Detectors Work Group Presentation
    - 2024 IBC (Chapters TBD),  
2024 IFC (Chapters TBD),  
NFPA 715.
    - CAS: Keith Flood, Work Group Chair;  
Johnny Carrier, Paul Costello, Don Harwood, Henry Miga,  
Tim Mikloiche, Michael Musco.  
OSFM: Joseph Duval.  
Constituency: Public Utilities Regulatory Authority, Southern  
Connecticut Gas, Home Builders, Eversource, Yankee Gas,  
Compressed Gas Association, National Propane Gas  
Association, Renewable Energy Guarantees of Origin.

## 6. NEW BUSINESS

### a. Code Change Proposals Review and Action

- (1) **CCP 25-034** – IBC/IFC – ( \_\_\_\_\_ )
- (2) **CCP 25-047** – IBC/IFC – (DUPLICATE)
  - Proposal: Revision to section 1026.2 to change “unprotected” to “unenclosed floor” openings for horizontal exits
- (3) **CCP 25-035** – IFC – ( \_\_\_\_\_ )
  - Proposal: Revise Section 503.1 through 503.6 & Appendix D
- (4) **CCP 25-036** – IFC – ( \_\_\_\_\_ )
  - Proposal: To include an exception to existing buildings prior to 2006 to continue to comply with the code it was applied for.
- (5) **CCP 25-037** – *See CCP 25-029* – (HOLD)
- (6) **CCP 25-038** – IBC – ( \_\_\_\_\_ )
  - Proposal: to amend NFPA 54 standard to only use UL 1738 due to ANSI standards for PVC do not permit the use of PVC for gas or combustion venting but most manufacturers include the ASNI standard in their literature for gas venting.
- (7) **CCP 25-039-A** – IBC – ( \_\_\_\_\_ )
  - Proposal: Add definition on 202 for rigid inclusion foundation systems.
- (8) **CCP 25-039-B** – IBC – ( \_\_\_\_\_ )
  - Proposal: Add special inspections in 1705.6.1 for rigid inclusion foundation systems.
- (9) **CCP 25-039-C** – IBC – ( \_\_\_\_\_ )
  - Proposal: Add new provisions in 1809.14 for rigid inclusion foundation systems.
- (10) **CCP 25-040** – IBC/IFC – ( \_\_\_\_\_ )
- (11) **CCP 25-048** – IBC/IFC – (DUPLICATE)
  - Proposal: Revise Section 1028.2.
- (12) **CCP 25-041** – IEBC – ( \_\_\_\_\_ )
  - Proposal: to revise definition of substantial structural damage to clarify language.
- (13) **CCP 25-042** – IEBC – ( \_\_\_\_\_ )
  - Proposal: to revise sections 502.3, 503.3, 805.2 and 1103.1 to clarify language.
- (14) **CCP 25-043** – IBC – ( \_\_\_\_\_ )
  - Proposal: To reduce full cutoff luminaire exception from 2600 to 1000 lumens, in section 2703.1, to accommodate the advancement of LED technology from 2004 to 2024 where the lowest output available was 2600 lumens, but now lower lumen output is available.

- (15) \*CCP 25-044 – IBC – ( \_\_\_\_\_ )
- (16) \*CCP 25-053 – IBC – ( \_\_\_\_\_ )
- (17) \*CCP 25-058 – IBC – ( \_\_\_\_\_ )
  - o Proposal: To adopt the IPMC statewide.
- (18) CCP 25-045 – NEC – ( \_\_\_\_\_ )
  - o Proposal: to revise 90.2 to inspect recreational vehicles that are altered.
- (19) CCP 25-046 – IRC – ( \_\_\_\_\_ )
  - o Proposal: To add a thermostatic mixing valve for electric hot water heaters.
- (20) CCP 25-047 – IBC/IFC – (DUPLICATE) – *See CCP 25-034* – ( \_\_\_\_\_ )
- (21) CCP 25-048 – IBC/IFC – *See CCP 25-040* – ( \_\_\_\_\_ )
- (22) CCP 25-049 – IPC – ( \_\_\_\_\_ )
  - o Proposal: to modify PEX sizing's to accommodate larger PEX and hanger sizes.
- (23) CCP 25-050 – IFC – ( \_\_\_\_\_ )
  - o Proposal: To modify IFC sections 4001.1, 4001.1, 4003.2 and 4005.1 to remove wine barrel and cask entries from being required to meet the same requirements as storage of distilled spirits.
- (24) CCP 25-051 – IBC – ( \_\_\_\_\_ )
  - o Proposal: Maintain model language of Section 107.2.2 and instead add the CT specific language as a new subsection.
- (25) CCP 25-052 – IBC/IFC – ( \_\_\_\_\_ )
  - o Proposal: Add section 907.2.11 to provide a pointer from smoke alarm section to future visual alarm requirements.
- (26) CCP 25-053 – IFC – *See CCP 25-044* – ( \_\_\_\_\_ )
- (27) CCP 25-054 – IBC/IFC – ( \_\_\_\_\_ )
  - o Proposal: To provide a pointer from IBC to IFC for vehicle impact protection.
- (28) CCP 25-055 – IRC/IFC – ( \_\_\_\_\_ )
  - o Proposal: Revise section R324.6 to allow self-actuated ventilation as an exception to roof pathways for solar panels.
- (29) CCP 25-056 – IRC – ( \_\_\_\_\_ )
  - o Proposal: Revise Section R324.6.2 to standardize and reduce the required setback for solar panel installations on residential homes. Require a min 12” where installed on one roof, 18 inches on both sides where installed on both sides.
- (30) CCP 25-057 – IRC – ( \_\_\_\_\_ )
  - o Proposal: Revise Section R324.6.4 to allow BO and FM to allow alternative pathways.

- (31) **CCP 25-058** – IBC – *See CCP 25-044* – ( \_\_\_\_\_ )
- (32) **CCP 25-059** – IBC/IRC/IEBC – ( \_\_\_\_\_ )
  - o Proposal: Revise Section 105 to include compliance with EPA regulations.
- (33) **CCP 25-060** – ISPSC – ( \_\_\_\_\_ )
- (34) **CCP 25-083** – ISPSC – ( \_\_\_\_\_ )
  - o Proposal: to revise R305.5 to remove the reference for pool manufacturers to allow the wall to serve as a barrier.
- (35) **CCP 25-061** – IEBC – ( \_\_\_\_\_ )
  - o Proposal: Revise section 804.10 and subsections to require at least 1 handrail in all stairways regardless of it being a means of egress or not.
- (36) **CCP 25-062** – IBC/IRC – *See CCP 25-007* – (ACCEPT IN CONCEPT)
- (37) **CCP 25-063** – ISPSC – ( \_\_\_\_\_ )
  - o Proposal: Revise R307.2.2 to allow common pool materials not allowed in ISPSC to meet alternative compliance in 104.11
- (38) **CCP 25-064** – IRC – *See CCP 25-015-A* – (REJECT)  
*See CCP 25-015-B* – (ACCEPT IN CONCEPT)
- (39) **CCP 25-065** – IFC – ( \_\_\_\_\_ )
  - o Proposal: to add IBC chapter 4 back into the IFC to minimize jumping back and forth between books.
- (40) **CCP 25-066** – IMC – ( \_\_\_\_\_ )
  - o Proposal: Revise section 1109.2.5 to match ASHRAE 15.
- (41) **CCP 25-067-A** – IBC – ( \_\_\_\_\_ )
- (42) **CCP 25-067-B** – IBC – ( \_\_\_\_\_ )
- (43) **CCP 25-067-C** – IBC – ( \_\_\_\_\_ )
- (44) **CCP 25-067-D** – IBC – ( \_\_\_\_\_ )
- (45) **CCP 25-067-E** – IBC – ( \_\_\_\_\_ )
- (46) **CCP 25-067-F** – IBC – ( \_\_\_\_\_ )
- (47) **CCP 25-067-G** – IBC – ( \_\_\_\_\_ )
- (48) **CCP 25-067-H** – IBC – ( \_\_\_\_\_ )
- (49) **CCP 25-067-I** – IRC – ( \_\_\_\_\_ )
- (50) **CCP 25-067-J** – IMC – ( \_\_\_\_\_ )
- (51) **CCP 25-067-K** – IMC – ( \_\_\_\_\_ )
- (52) **CCP 25-067-L** – IPC – ( \_\_\_\_\_ )
- (53) **CCP 25-067-M** – IPC – ( \_\_\_\_\_ )
- (54) **CCP 25-067-N** – IEBC – ( \_\_\_\_\_ )
- (55) **CCP 25-067-O** – IEBC – ( \_\_\_\_\_ )
- (56) **CCP 25-067-P** – IEBC – ( \_\_\_\_\_ )
  - o Proposal A: To revise Section 107.1 “statement” to “statements”.
  - o Proposal B: To revise Section 107.2.1 to include scale on drawings.
  - o Proposal C: To revise Section 111.1.4 “report” to “reports”.

- Proposal D: To revise Section 202 Definitions keep 2022 approved agency definition.
  - Proposal E: To Add Section 202 Definitions for special inspections coordinator.
  - Proposal F: Add section 1703.1.4 to not allow employees of approved agencies to conduct special inspections.
  - Proposal G: Add section 1703.7 and 1703.7.1 to include role of special inspections coordinator.
  - Proposal H: Revise section 1704.2.4 to include role of special inspections coordinator.
  - Proposal I: To revise Section R106.1.1 to include scale on drawings.
  - Proposal J: To revise section 106.1 to create a subsection to separate the requirements.
  - Proposal K: creating 106.1.1 to create a subsection to separate the requirements.
  - Proposal L: To revise section 106.1 to create a subsection to separate the requirements.
  - Proposal M: creating 106.1.1 to create a subsection to separate the requirements.
  - Proposal N: To revise Section 106.1.
  - Proposal O: To revise Section 106.2.1 to include scale on drawings.
  - Proposal P: To not delete section 106.2.3.
- (57) **CCP 25-068** – IBC/IRC/IEBC – ( \_\_\_\_\_ )
- Proposal: To add a section in 102 for workmanship.
- (58) **CCP 25-069** – IRC – ( \_\_\_\_\_ )
- Proposal: To revise definition of accessory structure for clarity.
- (59) **CCP 25-070** – IECC – ( \_\_\_\_\_ )
- Proposal: Add additional item to Section C402.1 for thermal bridges in concrete/masonry to be permitted to comply with ACI 122.1.
- (60) **CCP 25-071** – IECC – ( \_\_\_\_\_ )
- Proposal: Add additional item to Section C402.1 to allow concrete/masonry elements in exterior walls to comply with ACI 122.3.
- (61) **CCP 25-072** – IECC – ( \_\_\_\_\_ )
- Proposal: Add additional item to Section R402.1 to allow concrete/masonry elements in exterior walls to comply with ACI 122.2.

- (62) **CCP 25-073** – IECC – ( \_\_\_\_\_ )
- (63) **CCP 25-080-A** – IECC – ( \_\_\_\_\_ )
  - Proposal: Revise Table R405.4.2(1) to remove unnecessary loopholes in performance path.
  - Both proposals ask for the same request.
- (64) **CCP 25-074** – IECC – ( \_\_\_\_\_ )
- (65) **CCP 25-080-B** – IECC – ( \_\_\_\_\_ )
  - Proposal: Revise R408.2.9 to remove reduction in wall insulation where one of the 4 conditions are met.
  - Both proposals ask for the same request.
- (66) **CCP 25-075** – IECC – ( \_\_\_\_\_ )
  - Proposal: Revise Table R402.1.2 to keep ceiling R-value (and respective U-values) at R60 instead of the reduction of R49.
- (67) **CCP 25-076** – IECC – ( \_\_\_\_\_ )
  - Proposal: Adopt Appendices CB solar ready commercial, CC zero energy commercial, RG stretch code, and RL renewable energy infrastructure and adding H06 HVAC energy credits to section C406.2.2.
- (68) **CCP 25-077** – IECC – ( \_\_\_\_\_ )
  - Proposal: Adopt Appendix RK electric ready residential and CH electric ready commercial.
- (69) **CCP 25-078** – IECC – ( \_\_\_\_\_ )
- (70) **CCP 25-084** – IECC – (Appendix CB) – ( \_\_\_\_\_ )
- (71) **CCP 25-085** – IECC – (Appendix RB) – ( \_\_\_\_\_ )
- (72) **CCP 25-086** – IECC – (Appendix CH) – ( \_\_\_\_\_ )
- (73) **CCP 25-087** – IECC – (Appendix RK) – ( \_\_\_\_\_ )
- (74) **CCP 25-088** – IECC – (Appendix CI) – ( \_\_\_\_\_ )
- (75) **CCP 25-089** – IECC – (Appendix RJ) – ( \_\_\_\_\_ )
  - Proposal: Adopt appendices CB solar ready, CC zero energy provisions, CG electrical vehicle charging, CH electric ready building, CI demand response control, CJ electrical energy storage system, RB solar ready zone, RD electrical storage, RE electric vehicle charging, RJ demand response control, RK electric ready residential, RL renewable energy infrastructure.
- (76) **CCP 25-079** – ISPSC – *See CCP 25-026* – (HOLD)
- (77) **CCP 25-080** – IECC – *See CCP 25-073 & 25-074* – ( \_\_\_\_\_ )
- (78) **CCP 25-081** – ISPSC – *See CCP 25-026* – (HOLD)
- (79) **CCP 25-082** – ISPSC – *See CCP 25-026* – (HOLD)
- (80) **CCP 25-083** – ISPSC – *See CCP 25-060* – ( \_\_\_\_\_ )

- (81) **CCP 25-084** – IECC – *See CCP 25-078* – ( \_\_\_\_\_ )
- (82) **CCP 25-085** – IECC – *See CCP 25-078* – ( \_\_\_\_\_ )
- (83) **CCP 25-086** – IECC – *See CCP 25-078* – ( \_\_\_\_\_ )
- (84) **CCP 25-087** – IECC – *See CCP 25-078* – ( \_\_\_\_\_ )
- (85) **CCP 25-088** – IECC – *See CCP 25-078* – ( \_\_\_\_\_ )
- (86) **CCP 25-089** – IECC – *See CCP 25-078* – ( \_\_\_\_\_ )
  
- (87) **CCP 25-090** – IRC – ( \_\_\_\_\_ )
  - o Proposal: To revise section M1505.4.1 to require balanced ventilation.
  
- (88) **CCP 25-091-A** – IECC – ( \_\_\_\_\_ )
  
- (89) **CCP 25-091-B** – IECC – ( \_\_\_\_\_ )
  - o Proposal A: To revise section M1505.4.1 to include balanced supply and exhaust fans
  - o Proposal B: To revise section IECC R403.6.1 to include Climate Zone 5 to heat or energy recovery ventilation

## 7. GOOD OF THE ORDER

The next Codes Amendment Subcommittee meeting is scheduled for Wednesday, January 8, 2024 at 1:30 PM or immediately following the conclusion of the Codes and Standards Committee monthly meeting and will be held on-line using Microsoft Teams Meeting platform.

## 8. ADJOURNMENT

<b>KEY:</b>	<b>CSBC</b> Connecticut State Building Code	<b>IFC</b> International Fire Code
	<b>CSFPC</b> Connecticut State Fire Prevention Code	<b>IgCC</b> International Green Construction Code
	<b>CSFSC</b> Connecticut State Fire Safety Code	<b>IMC</b> International Mechanical Code
	<b>IBC</b> International Building Code	<b>IPC</b> International Plumbing Code
	<b>ICC</b> International Code Council	<b>IRC</b> International Residential Code
	<b>IEBC</b> International Existing Building Code	<b>NEC</b> National Electrical Code
	<b>IECC</b> International Energy Conservation Code	<b>NFPA</b> National Fire Protection Association

### CHECKLIST FOR REGULATIONS

1. Codes and Standards (Code Amendment Subcommittee) and the State Building Inspector or the State Fire Marshal, as the case may be, draft the Connecticut State Building Code and the Connecticut State Fire Safety Code (with a fiscal note and a regulatory flexibility analysis).
2. Provide public notice of new document and 45-day comment period, during which, the Codes Amendment Subcommittee will hold a public hearing.
3. The Code Amendment Subcommittee and the State Building Inspector or the State Fire Marshal, as the case may be, provides a response to every public comment received.
4. Submit the Code (with the fiscal note and a regulatory flexibility analysis) to the Public Safety Committee and the Regulations Review Committee. The Regulations Review Committee has 45 days to either–meet and approve, meet and disapprove, meet and reject without prejudice or provide written notice to DAS that they will not meet. If the 45-day period expires with no action, the document is deemed approved.
5. If the committee rejects without prejudice, the Codes and Standards Committee and the State Building Inspector or the State Fire Marshal, as the case may be, have 30 days to address the committee’s concerns and resubmit the document with a summary of any revisions made. The committee has another 45 days to choose to meet and act or not meet.
6. Once approved or deemed approved, document is made available to the public and can be effective as of that date.