



International Code Council IECC Commercial Consensus Committee Draft Meeting Minutes

Meeting Date: January 25, 2023

Committee Chair: Duane Jonlin

Committee Vice Chair: Emily Hoffman

1. Call to order. The meeting was called to order at approx. 2:01 pm Eastern Time.

2. Roll Call. Chair Duane Jonlin, Vice-Chair Emily Hoffman, Ali Alaswadi, John Bade, Greg Johnson, Jack Bailey, Scott Brooks, Diana Burk, Richard Burton, Payam Bozorgchami, Chris Clausung, Shannon Corcoran, Jay Crandell, Thomas Culp, Greg Eades, Charles Eley, Drake Erbe, Anthony Floyd, David Goldstein, Stephen Harris, Bryan Holland, Michael Jouaneh, Andrew Klein, Vladimir Kochkin, Emily Lorenz, Hope Medina, Michele Melley, Don Mock, Susan Musngi, Dan Nall, Christopher Perry (alt), Laura Petrillo-Groh, Darren Port, Douglas Powell (alt), Kevin Rose, Michael Rosenberg (alt), Steve Rosenstock, Robert Ross, Blake Shelide, Michael Tillou, Amin Tohmaz, Michael Waite

Committee members in attendance: (40 in attendance 5 absent)

Not in attendance: Gina Bocra (alt), Paula Cino (alt), Amber Wood (alt), Vincent Martinez (alt), Kim Cheslak (alt), Glenn Heinmiller (alt), Matt Belcher, Melissa Moseley, James Yeoman, John Dalzell, Lauren Urbanek (alt), Jeremy Williams, Zepherinus Church Norbert,

ICC Staff in attendance:

Kris Stenger, Mike Pfeiffer, Ed Wirtshoreck, Beth Tubbs, Jason Toves, Jerica Stacey

3. Approval of the Minutes from 1/11-motion to approve by Emily Lorenz with a second from Payam Bozorgchami. Approved unanimously

4. Approval of Agenda-request to remove CED1-133-22 from the agenda, to hear CED1-189-22 in front of CED1-190-22 and to hear CED1-193-22 in front of CED1-185-22. Motion to approve the agenda as amended by Steve Rosenstock with a second from Bryan Holland. Approved as modified unanimously.

5. Administrative items-none at this time

6. Action Items

a) CED1-7-22 (Construction document definition) Proponent Jay Crandell. Introduction by Bryan Holland, chair of the Administration subcommittee. Recommendation by subcommittee is to

disapprove. Vote to disapprove passes 27-1. Reason: To keep definition in the IECC-C consistent with the other family of I-Codes and ASHRAE 189.1.

b) CED1-8-22 (Equipment building criteria) Proponent Daniel Carroll. Introduction by Bryan Holland, chair of the Administration subcommittee. Recommendation by subcommittee is to disapprove. Vote to disapprove passes 29-1. Reason: To ensure consistency in charging language used throughout the code when all provisions must be met.

c) CED1-12-22 (C505.1 reference) Proponent Daniel Carroll. Introduction by Bryan Holland, chair of the Administration subcommittee. Recommendation by subcommittee is to approve as submitted. Vote to approve passes 32-0. Reason: To correct pointer to the applicable section required for compliance.

d) CED1-13-22 (ASHRAE 140 reference) Proponent Emily Toto. Introduction by Bryan Holland, chair of the Administration subcommittee. Recommendation by subcommittee is to approve as submitted. Vote to approve passes 32-0. Reason: To ensure compliance with the most current requirements of the referenced standard.

e) CED1-30-22 (SEHPCAC revision of CEPI-203) Proponent SEHPCAC represented by Anthony Floyd. Introduction by Jack Bailey, vice chair of the Electrical subcommittee. Recommendation by subcommittee is to approve as submitted. Vote to approve as modified passes 26-3-1. Reason: The proposal will clarify application of metering requirements to include all energy.

f) CED1-33-22 (Energy monitoring disclosure update) Proponent Steve Rosenstock. Introduction by Jack Bailey, vice chair of the Electrical subcommittee. Recommendation by subcommittee is to disapprove. Vote to disapprove passes 27-2-2. Reason: The language in Public Comment Draft #1 that is proposed to be deleted will increase the usefulness of the data collected by allowing it to be compared with the specific model (for those that did the simulation) of the building.

g) CED1-34-22 (Energy monitoring all energy forms) Proponent Steve Rosenstock. Introduction by Jack Bailey, vice chair of the Electrical subcommittee. Recommendation by subcommittee is to disapprove. Vote to disapprove passes 31-0-1. Reason: Based on prior action on CED1-30.

h) CED1-35-22 (Energy monitoring clean up) Proponent Helen Sanders. Introduction by Jack Bailey, vice chair of the Electrical subcommittee. Recommendation by subcommittee is to disapprove. Vote to disapprove passes 32-0. Reason: Based on prior action on CED1-30.

i) CED1-36-22 (EV monitoring update) Proponent Steve Rosenstock. Introduction by Jack Bailey, vice chair of the Electrical subcommittee. Recommendation by subcommittee is to approve. Vote to approve passes 28-3-1. Reason: Ensures the monitoring of EV charging loads does not include equipment and systems that are supplied by a separate service from an energy monitored building.

j) CED1-37-22 (EV energy monitoring removal) Proponent Greg Johnson. Introduction by Jack Bailey, vice chair of the Electrical subcommittee. Recommendation by subcommittee is to disapprove. Vote to disapprove passes 26-6-1. Reason: Based on prior action related to CED1-036.

k) CED1-90-22 (Project specific fenestration size) Proponent Helen Sanders. Introduction by Tom Culp, chair of the Envelope subcommittee. Recommendation by subcommittee is to approve as modified. Vote to approve as modified passes 30-0. Reason: As modified, this proposal clarifies that either a label affixed to the product or a label certificate for the project in compliance with NFRC 100 and 200 may be provided for fenestration. This is also consistent with how ASHRAE 90.1 handles fenestration labeling.

l) CED1-126-22 (Fenestration U-factors) Proponent Helen Sanders. Introduction by Tom Culp, chair of the Envelope subcommittee. Recommendation by subcommittee is to approve as submitted. Vote to approve as submitted passes 31-0. Reason: Because these reductions in U-factors are technically feasible and cost-effective.

m) CED1-127-22 (Orientation) Proponent Emily Toto. Motion by Greg Johnson to table with a second by John Bade. Motion to table passes 26-3-2. Motion by the chair to remand to the Envelope subcommittee and return back to the consensus committee in 4 weeks. Motion to remand to Envelope subcommittee passes 15-10.

n) CED1-141-22 (Automated window shading) Proponent Reid Hart represented by Michael Tillou. Introduction by Tom Culp, chair of the Envelope subcommittee. Recommendation by subcommittee is to approve as modified. Vote to approve as modified passes 26-1. Reason: The alternative approach for reduced credits for a reduced automatic shading area allows flexibility for certain building types and configurations.

o) CED1-125-22 (Multifamily window alignment) Proponent Diana Burk. Introduction by Tom Culp, chair of the Envelope subcommittee. Recommendation by subcommittee is to disapprove. Vote to disapprove passes 27-2-1. Reason: This proposal adds unnecessary complexity and would erroneously apply to not only multifamily as intended but also hotels and motels. There are also problems with wording of the definition, footnote, and exception. No analysis of cost effectiveness of the lower U-factors was provided.

p) CED1-130-22 (Air barrier construction language correction) Proponent Bob Zabcik. Introduction by Tom Culp, chair of the Envelope subcommittee. Recommendation by subcommittee is to approve. Vote to approve passes 25-1-1. Reason: Design wind loads has specific structural meaning and may causes confusion to the intent of this section.

q) CED1-131-22 (Air leakage compliance) Proponent Theresa Weston. Introduction by Tom Culp, chair of the Envelope subcommittee. Recommendation by subcommittee is to approve. Vote to approve passes 27-1. Reason: This proposal adds the option of inspection with the building under depressurization in addition to the current requirement for the building to pressurized. ASTM E1186 contains instructions for conducting the evaluation under either depressurization or pressurization. In some situations, depressurization may be more efficient than pressurization to conduct the inspection.

r) CED1-193-22 (Additional efficiency, renewable load management requirement) Proponent Alex Smith. Introduction by Greg Eades, chair of the Modeling subcommittee. Recommendation by subcommittee is to disapprove. Vote to disapprove passes 21-5-2. Reason: This proposal reduces the required renewable and load management credits for R-2, R-4 and I-1 occupancies and proposes that that the credits for these occupancies be equivalent to R-1. Ample documentation justifying the credits was provided by PNNL in the development of CEPI-193.

The proponents provided no justification for why the credits should be lowered for R-2, R-4 and I-1 occupancies.

s) CED1-185-22 (C406 Editorial update) Proponent Reid Hart represented by Michael Tillou. Introduction by Greg Eades, chair of the Modeling subcommittee. Recommendation by subcommittee is to approve as modified. Vote to approve as modified passes 30-2. Reason: This proposal provides an editorial update to Section C406. Tables 406.2(4) and 406.2(5) have been modified by inserting an “x” to indicate that ECM credits are not available in certain climate zones. [Envelope Subcommittee:](#)

Agree with Modeling SC comments, and agree with envelope parts of the proposal. However, terminology regarding air leakage credit should be made consistent, and avoid any confusion between air leakage and water leakage.

ENVELOPE ADDITIONAL MOD: change “~~Envelope leakage reduction~~ Reduced air leakage” in Tables C406.2(1) through C406.2(9) to match the title of the E03 credit in C406.2.1.3.

t) CED1-189-22 (Energy credit requirement) Proponent Mike Waite. Introduction by Greg Eades, chair of the Modeling subcommittee. Recommendation by subcommittee is to approve as modified. Vote to approve as modified fails 21-11-4. Motion by Emily Lorenz to disapprove with a second by Shannon Corcoran. Motion to disapprove fails 16-17-2. Motion to approve as submitted by Michael Jouaneh with a second by Bryan Holland. Motion to approve as submitted fails 22-13-2. Reason: The values presented in the proposal are inconsistent with most recent PNNL analysis.

u) CED1-190-22 (C406 Energy credit carryover allowance) Proponent Reid Hart represented by Michael Tillou. Introduction by Greg Eades, chair of the Modeling subcommittee. Recommendation by subcommittee is to approve as modified. Vote to approve as modified passes 25-10-1. Reason: This proposal allows for excess renewable and load management credits to be applied to the energy efficiency requirements. A workgroup was formed that modified the original proposal to ensure that compliance can be achieved without relying on measures for equipment efficiency in excess of EPACT requirements.

v) CED1-182-22 (Thermal block definition) Proponent Martha Vangeem. Introduction by Greg Eades, chair of the Modeling subcommittee. Recommendation by subcommittee is to approve as modified. Vote to approve as modified passes 32-1. Reason: This proposal would change the definition of “block” to “thermal block” in the context of energy simulation. This definition change aligns with the use of “thermal block” in C407. A modification is proposed that updates the definition in C409.

w) CED1-195-22 (Vertical fenestration energy credit) Proponent Tom Culp. Introduction by Greg Eades, chair of the Modeling subcommittee. Recommendation by subcommittee is to approve as modified. Vote to approve as modified passes 31-0. Reason: This proposal updates the E06 additional energy credit to account for the shading projection factor when determining the maximum SHGC requirement.

7. Subcommittee Reports-none at this time

8. Other Business-none at this time

9. Upcoming meetings. Wednesday, February 8, 2 pm-5pm Eastern.

10. Adjourn. The meeting was adjourned at approx. 4:40 pm Eastern time.

FOR FURTHER IECC Commercial INFORMATION BE SURE TO VISIT THE ICC WEBSITE:
[IECC Commercial Website](#)

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:
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