**SDC 301 CALCULATIONS SC Call Draft Minutes**

June 5th, 2023 | 1:00 PM – 2:30 PM Eastern

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**Members Present:** Neal Kruis, Philip Fairey, Brian Christensen, Gayathri Vijayakumar, Nick Sisler, Rob Salcido, William Ranson

**Others Present:** Nathan Oliver

**RESNET Staff Present:** Clara Hedrick, Laurel Elam, Rick Dixon, Noah Kibbe

**Minutes Prepared By:** Clara Hedrick, Noah Kibbe

The meeting was called to order at 1:04 PM Eastern.

**Approve Agenda**

Brian Christensen made a motion to approve the agenda as amended. Nick Sisler seconded. The motion passed.

**Approve Meeting Minutes from April 3rd, 2023**

Brian Christensen made a motion to approve the minutes as amended. Rob Salcido seconded. The motion passed.

**Brian/Dean’s CFIS proposal**

Brian spoke to this. Comments were made about the ventilation definition in the language for 380. Philip Fairey made a comment on the document and spoke to the comment to clarify. The issue is with the word *directly* being used in the language. Philip’s recommendation is to strike the word *directly* and change the same language in 301. Rob agreed with Philip’s recommendation.

Brian spoke to the CFIS language section. Philip said there have been recent changes to align 380 and 301.

Nick asked if the software would target a ventilation entry. Brian said most tools are collecting a ventilation target at the same time they are conducting a HERS rating.

Brian made a motion to refer the proposed language for Standard 301-2022 as an addendum to SDC 300. Nick seconded the motion.

This motion does not apply to the proposed changes to 380, which is still under review.

Gayathri stated the language should be reworded to read as a typical ANSI Standard document. In its current state, there are sections that look different than most other documents.

Gayathri voted against the motion on the grounds that the language needs to be revised.

The motion passed. Gayathri further commented that it would be more productive to make the revisions before sending it to 300.

The motion was brought into reconsideration by Nick Sisler. There was no opposition. The motion to reconsider was approved. Brian, Philip, Gayathri, Rick, and Rob will assist with language changes.

Gayathri recommended discussing the resulting changes at the Calculations call on July 10th, with the hope being to approve the language and pass the addendum to SDC 300.

**IR 301-2019-031 Including Finished Space in Conditioned Floor Area**

Rick and Rob both stated they are unsure of what the request is and, therefore, how to answer it.

Gayathri will email to ask for clarification on this question and bring the response to the July Calculations call.

**IR 301-2019-032 Hot Water Distribution Pipe Length Calc**

Philip said the language proposed does clarify the language and the question needs to be answered. Gayathri volunteered to reach out for clarification because the request is more of a proposed amendment rather than an interpretation.

The group agreed that the language is unclear as written and needs to be addressed but will await further information from the comment poster.

Once the comment is rewritten as an interpretation it will be addressed.

**IR 301-2022-003 Heat Gains external to Conditioned Space Volume**

The definition of internal gains has changed over the years. Hot water tanks, appliances, miscellaneous energy loads, etc. were added. There are thoughts that internal gains refer to only heat gains. There is careful language in the Standard that specifies where the heat gains are occurring and if they should be counted in the simulation.

Brian’s IR points out the contradiction inadvertently created when this definition was updated in Addendum C. The definition for Internal Gains changed several times over the years which led to confusion.

The 2014 definition focused on lights, people, and miscellaneous equipment. The 2019 definition added hot water tanks, appliances, and miscellaneous energy loads.

Some think that internal gains refer only to heat gains that occur within conditioned space. The language seeks to clarify where the heat gains are occurring and if they should be counted in the simulation.

Brian’s request stems from a contradiction in the language. The language says internal gains can include Conditioned Space Volume, but the current definition does not specify if CSV is counted.

Addendum C sets the hourly schedule for internal gains of all kinds.

Rob asked if this issue was occurring before Addendum C. Brian said the issue became clearer because of Addendum C.

Philip asked if the request is to add unconditioned space to the definition. Brian responded that if the conditioned space volume is only intended to apply to miscellaneous energy loads, then the definition needs to be reworded.

Brian Christensen made a motion that the subcommittee recommend to SDC 300 to accept this interpretation as correct and respond accordingly. Rob Salcido seconded. The motion passes.

Philip clarified that the subcommittee cannot approve the request but can recommend to SDC 300 that the interpretation request be answered in the affirmative. There were no objections.

**Two additional items for Addendum E (see attached email)**

Cambium data used for carbon emission rating indexes are not available for Hawaii or Alaska. In MINHERS Addendum 66f, it was specified that where Camdium data are not available, the C02 index and projected C02e index are not required. When 66f was sent to Addendum B, this footnote was left off.

The proposal is that the footnote be incorporated into Addendum E.

Neal had asked about getting changes regarding consistency issues from his two committees into Addendum E. Neal said it would be beneficial to know the timeline for Addendum E. Rick wants to limit the number of Addenda as much as possible.

A comment was submitted to a public review draft late due to website issues. The comment was not submitted with Addendum C but will be submitted with Addendum E.

The comment addresses concerns about battery loss in storage. Recommendation is to strike everything having to do with battery storage. Alternative recommendation proposes to add additional definitions.

Philip said that it is unclear what the request is. The language of this section was written to be as minimalistic as possible. Brian suggested that those who originally wrote the battery section (Philip and Neal) address this section.

Neal said there are a lot of features needing inspection for consistency based on this comment. Neal thinks more details might be helpful but are not necessary.

Neal and Philip will come up with a response to this comment and will address it at the July meeting.

Brian motioned to adjourn. The meeting adjourned at 2:34PM Eastern.