**SDC 301 CALCULATIONS SC Call Draft Minutes**

August 7th, 2023 | 1:00 PM – 2:30 PM Eastern

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

**Others Present:** Neal Kruis

**RESNET Staff Present:** Rick Dixon,Noah Kibbe

**Minutes Prepared By:** Noah Kibbe

The meeting was called to order at 1:05 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 July 7th, 2023**

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

**Update on CFIS Amendment (Brian)**

Rick had requested that feedback for 301 be referred to Brian, and 380 to Dean.

Brian has not heard feedback from Dean on the 380 section. Brian has not received any feedback from the SDC 300 committee.

Revisions were approved for RESNET policies and added to ANSI for re-accreditation.

**Review Addendum 74 (Rick)**

This amendment is in part a clean-up amendment to MINHERS to allow ratings to be done without testing.

The exception included a sunset clause (30 days after the expiration of the Federal Emergency Declaration). The exception is no longer viable for use but will remain in the document.

A recommendation was made previously to add the definition for Space Constrained AC or Heat Pump. The recommendation was deferred to a future time and is now being addressed.

Dave asked if this would be included in Addendum C; Rick confirmed.

Exception 6 was struck and replaced with a new definition.

Brian asked if this definition reflects the proposed changes discussed in April’s meeting. Rick confirmed.

Brian was unsure if this definition matched the new language discussed in April. Rick said it was copied from the proposal.

Neal clarified this is a MINHERS exception that would be included in a future version of 301. Neal said that changes made to MINHERS need to be included in the public review of 301 and stressed the importance that they be included.

There were three recommended changes to the edited Exception 6:

* Brian suggested the definition itself be included as a footnote alone. The group agreed with this change.
* Nick suggested changing *this* in line two (2) to *that*.
* Nick suggested changing *Unites* in line six (6) to *United*.

Rick suggested that a motion be made to approve the above three suggested revisions.

Brian Christensen made a motion to approve the three suggested changes. Nick Sisler seconded. The motion passed.

**Discuss Approach for Getting Materials Organized for Review (Neal)**

The group is looking for an improved system of version control on various ongoing document revisions.

Rick and Philip are collaborating on the WD to implement IRs except for the ones Gayathri and Brian were editing. Gayathri is working on language for the IR she recommended.

Rick suggested the easiest resolution would be to refer to the 2022 version of the document as it is more specific. Rick said to ignore the WD versions as those are just there for reference.

Rick wants to have a ballot ready once a response is received from ANSI. Philip said there is a level of urgency because it is important to include this amendment in the 2024 ICC version.

Philip said that Addendum C should be kept close to the original version. Rick said the adjustments being made are simple but important improvements.

**SCC Recommendations (Neal)**

This amendment is called Addendum F with the idea that what does not make it into Addendum C will be included here.

Roof Geometry

Regarding the Roof Geometry section, the homes being rated should have references that match Roof Geometry with software that recognizes the various types. For example, a gable roof being rated should be compared to a reference home with a gable roof.

Philip stated the Roof Geometry section is vague in its current version. Philip suggested changing it to say Roof *Type (Hip or Gable)*. The language was changed further to *Predominant Shape (Hip or Gable)*.

Philip is concerned that new additions to Addendum C may cause issues when sent for public review as they will be unexpected changes.

Dwelling Unit Mechanical Ventilation System Fan Power

Neal suggested including this section as written.

Scott had suggested keeping W/cfm as the value. Philip said when this is used correctly, the result will be accurate.

External Shading

The language was changed to say external shading is calculated *based* on the position, not *depending*.

If external shading is going to impact the ERI, it must be modeled on the dimensions of the shading device.

Brian said this change is important to include in Addendum C as the QA team has received several questions asking for clarification.

Dave said automated shading devices (e.g., blinds) will eventually need to be considered.

Photovoltaic System

Philip said the 14% should be broken up into components. Neal said this will be addressed.

Walls Assembly

Some schools handle wall orientation differently. If the home has some surfaces that are more east/west facing than north/south, the Raters should break the walls into orientation. The goal is to get all software tools to measure consistently with one another.

Brian clarified that orientation does not matter if it faces another internal space.

Orientation for Walls (Inspection Protocol)

Neal said this section could use grammatical adjustments.

Dave said there is no definition for exterior walls and, therefore, should not be capitalized. Philip suggested a definition be added in the future. The phrase will be uncapitalized for now and a definition will be crafted in the future.

Neal will make the suggested changes.

**IR Changes (Brian)**

FDS BSR/RESNET/ICC 301-2022 Addendum C-202x (Internal Gains)

The baseline for this document is the addition from Rick as a starting point for the next version of Addendum C.

There are two notes that deal with how to configure mechanical ventilation details. Note (g) should focus on the reference home; Note (zz) should focus on the rated home. The corrections to the references address this issue.

Nick asked why the exterior value is always 1 for the reference home. For multi-family housing, the exterior eliminates any long-existing penalty people felt had been applied to multi-family housing. These homes were getting leakage from additional units that caused an air quality penalty. In the reference home, there is a specified air exchange entity. It does not matter what Aext evaluates; the reference home must get that air exchange entity. Aext only matters in the rated home.

Philip made a motion to include these changes in Addendum C. Brian seconded. The motion passed.

**NEHERS Comment PDS02Std301-2022 Response**

Nick suggested rewording the bottom sentence to read *because not all PV systems contain battery storage*.

Dave made a motion for the response to be accepted and a response sent to the submitted. Philip seconded. The motion passed.

Dave Roberts will send a meeting invite for the group to meet two weeks from now.

Philip made a motion to adjourn. Brian seconded.

The meeting adjourned at 2:32 PM EST.