**Draft RESNET SDC300 Minutes**

**01/21/2025 1:00 – 2:00 PM ET**

[MEETING RECORDING HERE](https://zoom.us/rec/share/aDctzd0I-IxvNF4GN4rR9AhQFglAJ73eKpCbMqt3g0nb58PnHD6scQezIeMS95gg.Y_IEHTfvT8umvPkc?startTime=1737482811000)

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| --- | --- | --- | --- |
| **Members & Staff** | **Present** | **Absent** | **Other Attendees** |
| **SDC 300 Members**  Thiel Butner  Terry Clausing  Philip Fairey  Ian Finlayson  Dean Gamble  Charlie Haack  Edwin Hensley  Kelly Parker  Rob Salcido  Brian Shanks  Jason Toves  Robby Schwarz  Josh Spence  Gayathri Vijayakumar    **RESNET STAFF**  Rick Dixon  Laurel Elam  Clara Hedrick  Noah Kibbe | **SDC 300 Members**  Brian Shanks  Gayathri Vijayakumar  Kelly Parker  Dean Gamble  Robby Schwarz  Thiel Butner  Philip Fairey  Ian Finlayson  **RESNET STAFF**  Rick Dixon  Jackie Diaz  Neal Kruis | Terry Clausing  Charlie Haack  Edwin Hensley  Jason Toves  Josh Spence  Rob Salcido | Mike Browne  Robert Sullivan |

1. **Introduction of Attendees (other than SDC members & RESNET Staff)**
2. **Approve Agenda & November 19th Meeting Minutes**

Robby Schwarz motioned to approve the agenda, Brian Shanks seconded.

Robby Schwarz motioned to approve December’s meeting minutes, Brian Shanks seconded.

1. **Meeting/Call Schedule**

* Bi-monthly Calls (1-2 pm, 3rd Tuesdays, **next is March 18th, 2025)**

1. **Overview of current and future projects**

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**Current Project Ballots Due Before the March Meeting:**

PDS-01 RESNET/ICC 301-2022 Addendum D-202x comment responses

Members will receive a ballot to review responses and another ballot for the next iteration of the addendum.

PDS-02 RESNET/ICC 301-2022 Addendum D-202x

Above

PDS-01 MINHERS Addendum 77 iHPWH public comments responses (possible)

The addendum went out for public comment in November and received one comment. The Calcs SC will meet in February to address the feedback.

PDS-01 MINHERS Addendum 82 HP/AC modeling comment responses (possible)

The public comment period closes tomorrow, no comments as of this meeting.

PDS-02 MINHERS Addendum 77 iHPWH (possible)

(Continuation of above)

If the comment is rejected, there will be no need for a PDS-02. However, if the Calcs SC decides to implement the comment and modify the standard, a PDS-02 will be required.

PDS-02 MINHERS Addendum 82 HP/AC modeling (possible)

Above

PDS-01 MINHERS Addendum 81, Adoption of Standard 301-2022 Addenda C & E; 380-2022 Addendum B; Bedroom definition;

Recirculation Ballot for 301-2025

This has been on hold as the group would like to incorporate Addendum D into the standard.

**Current Projects:**

**ANSI 301-2022 Standards Projects:**

[Addendum D](https://www.resnet.us/about/standards/resnet-ansi/draft-pds-01-resnet-icc-301-2022-addendum-d-202x-appendix-a-update/)           Appendix A Update, Insulation Grading

Status:                    Public review of first draft PDS-01 was conducted. Comments are under review.

[Addendum F](https://www.resnet.us/about/standards/resnet-ansi/draft-pds-01-resnet-icc-301-2022-addendum-f-202x-integrated-heat-pump-water-heater/)           iHPWH

Status:  Discontinued and Transitioned to MINHERS Addendum 77

**ANSI 301-2025 Standards Projects:**

[**301-2025**](https://www.resnet.us/about/standards/minhers/draft-pds-01-resnet-icc-301-202x-update/) Update for the 4th Edition of Standard 301

Status : Final approval of Standard 301-2025 will be delayed until Standard 301-2022 Addendum D-202x is ANSI approved so it will be automatically incorporated into Standard 301-2025. The delay also allows completion of Standards 310-2025 and 380-2025 and their adoption by Standard 301-2025 instead of by an addendum to the standard.

May see a ballot on this before the march meeting

**ANSI 380-2025 Standards Projects:**

**380-2025** [Update for the 4th Edition of Standard 380](https://www.resnet.us/about/standards/resnet-ansi/draft-pds-01-resnet-icc-380-202x-update-comment-opens-april-26-2024/)

Status: SMB approved RESNET/ICC 380-2025.

**ANSI 310 Standards Projects:**

CMP1                     Documentation of Refrigerant Weight

Status:                    The Equipment SC and the proponent agreed to address this issue further during phase II of the Standard 310 update project (Addendum A of 310-2025).

[**310-2025**](https://www.resnet.us/about/standards/minhers/draft-pds-01-resnet-acca-icc-310-202x-update/)                Update for the 2nd Edition of Standard 310

Status:       SMB approval of RESNET/ICC 380-2025 is pending.

Addendum A Phase II of the 2025 update to Standard 310

Status: The technical advisory TG is working on Phase II amendments.

**MINHERS Standards Addenda Projects:**

Addendum 77 iHPHW *(Formerly Proposed Standard 301-2022 Addendum F)*

Status: Public review and comment on first draft PDS-01 ends January 17, 2025. The Calculation SC will consider the comments for recommended responses.

Addendum 81 Adoption of Standard 301-2022 Addenda C & E; Bedroom definition;

Status: Ballot on draft PDS-01 pending.

Addendum 82 DX HP/AC Modeling

Status: Public review and comment on first draft PDS-01 ends January 21, 2025. The Calculation SC will consider the comments for recommended responses.

Addendum 83 CMU Insulation Grading and Default Modeling Thermal Properties

Status: The SDC approved interim Addendum 83i and Raters and Providers were notified 12/23/24. Development of final Addendum 83f is in progress.

**Interpretations**

IR301-2022-002      Commercial DHW Efficiency

TG was set up to develop recommendation for CalcSC to consider

IR301-2019-035 Insulation Filled Cores CMU

Completed.

IR301-2022-004 Pourable Insulation Filled CMU Cores Grading

Completed.

IR310-2020-001 Grading Mini-Split AC/HP

Completed.

**Future Standards Projects:**

RESNET/ICC 301-2025 Addendum A, Changes based on sections not open for comment on draft PDS-01 and any other touch-ups.

MINHERS Addendum ??, Temporary Sales Office - Converted Garages

1. **Sub-Committee or Task Group Chair Updates & Upcoming Ballots**
   * Calcs [Philip/Gayathri/Neal]
     + Update on Addendum 77 (formerly Addendum F) - Gayathri

Update above

* + - Updated on Addendum 82 – Neal

There are currently no comments, but another draft will still be published if none are received. The plan is to gather any feedback from PDS-01, incorporate necessary updates, and then release PDS-02.

* + - Update on Addendum 83i & 83f – CMU Insulation – Gayathri

An interim addendum was voted on in December, and stakeholders have been notified. The Calcs SC is planning to make a formal addendum, with the intention of incorporating it into the 301-2025 standard. The group is currently deliberating whether to include it in Addendum D or Addendum A. The current plan is to proceed with Addendum D, but if there is resistance to the calculations of R-values, the timeline will be adjusted to include it in Addendum A instead.

* + Equipment [Dean]
    - Update on 310-2025 Phase II

No update

* + Enclosures [Robby]
    - Update on Addendum D: Appendix A, Insulation Installation Grading

Robby discussed the comments received and where they came from. Two comments opposed the addendum, expressing concerns that it might result in poor installations. The group reviewed and ultimately rejected these comments. Robby shared the reasoning for this rejection was because the group felt this update simplifies grading by replacing the current system with "Properly Installed" and "Not Properly Installed." This change provides clearer guidance, better tools, and improved visuals to support Raters.

Most comments on installation focused on air-permeable batt and blown insulation.

The group submitted a comment to reintroduce the remote/virtual inspection that was originally included, as 1450 did not fully address their goals.

Dean pointed out that the paragraph removed by the committee had been added in response to prior criticism and asked if they had included anything to address the general idea raised by that comment. Robby responded that the group had discussed this and agreed that there are only a few instances in the standard that address when it’s appropriate to break out sections in computer modeling entries. He will share the specific section in the addendum where this is addressed.

For PDS-02, the group is discussing how to handle inspections in areas where two or more insulation types are used. Gayathri initially raised this issue based on a question she received and explained that current software does not allow for assigning separate grades to a single wall. Mike commented that on the system he uses, it does allow you to do that. It was clarified that the language of the addendum will need approval from SDC 300 before it is sent out for public comment again.

The committee has formed a subgroup to address comments regarding Foam Filled Concrete Masonry Units (FFCMU). They are currently working on adding a section in Appendix A to address this type of insulation. Once the language for the appendix is finalized, it will be sent out for public comment again.

Robby discussed comments that opposed moving from 5% to 10% of the modeled SQFT and shared the reasoning behind rejecting the comments.

Other rejected comments included removing definitions, removing whole insulation types, and general misunderstanding of how grading is meant to be done.

The addendum document will be sent to the committee for a ballot, allowing members to vote on specific sections rather than requiring an all-or-nothing approval. Members will have the opportunity to provide comments on any sections they do not fully agree with.

* + MINHERS
    - Approved Amendments (see above)
    - Upcoming Amendments (see above)
      1. MINHERS 81 - Various [Rick]

No update

1. **Other Topics/New Business**
   * Temporary Sales Office (Dean)

Dean presented that builders often temporarily convert garages in model homes into sales centers or offices, which creates challenges for accurate energy ratings. These spaces are typically conditioned during the model home phase but revert to garages when the home is sold. Usually, Raters assess homes as they are found treating these as conditioned spaces. Once the sales centers are converted back into a regular garage, any opening that leads back into the home is covered and walled off.

Options for builders are to 1- Rate the model home before garage conversion, 2- Rate the model home after conversion back to garage 3- Rate the model home including the converted garage space.

The proposal suggests adding a definition for "temporarily converted garage" to standards 301 and 380, allowing these spaces to be excluded from Ratings during their conversion phase. An infiltration penalty would be added to these homes with temporarily converted garages, which would ideally encourage builders to have the homes Rated after the conversion back to a regular garage is completed.

Dean went over the draft definition of what defines a Temporarily Converted Garage.

Additional changes to standard 301 include an update to the informative note on 301-4.5.2, the inclusion of a table for the inspection protocol of Temporarily Converted Garage. Dean also explained the changes proposed to standard 380 in an addition of 380- 4.2.3.1

This new definition would be used in ERI Ratings and may or may not be used by ENERGY STAR, Indoor AirPLUS, and/or Zero Energy Ready Homes.

Robby raised the question of whether a true door between the house and a garage sales office would allow the space to be Rated as it is. Dean responded that it would not be possible under the current provisions of 301, as there is no definition for this type of space, nor could it be classified as a standard garage. The proposed standard would place limits on openings and define such spaces as temporarily converted garages, provided they meet the conditions outlined in the definition. Robby further asked if the committee considered the possibility of a sales center being outside the thermal envelope and independently heated or cooled. If it met the conditions, why couldn’t it simply be considered a garage? Dean explained that this idea could also apply to spaces like sunrooms, and the committee felt it was necessary to include specific conditions to clearly define the type of space.

The blower door test may need to be calculated manually. This approach has been used before and is currently in practice.

This will be drafted as a MINHERS addendum and sent to members as a ballot before the next meeting. If approved, it will proceed to public comment.

Robby noted that there are instances in Appendix A where insulation is specified to be broken out separately. Gayathri raised a question about how to ensure people don’t divide areas into excessively small sections and asked Robby to clarify where this is mentioned in other parts of the standard. In response, Robby read an excerpt related to specific insulation requirements for vented attics. Will make sure a link will be provided with the ballot.

1. **Adjournment**

**Meeting adjourned at 12:56 PM CT**