**Draft RESNET SDC300 Agenda**

**9/17/2024 1:00 – 2:00 PM ET**

[**Meeting Recording Here**](https://zoom.us/rec/share/9BFdEc4uWIjUP4elfnti_C1AdreGgJ7Ox1Xd737ToG4UgRhovWF2ws7uqKwCdt2r.90t9MIPmzlzzSLjr?startTime=1726592583000)

Passcode: 4UU9@BYF

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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  Jason Toves  Philip Fairey  Edwin Hensley  Kelly Parker  Robby Schwarz  Thiel Butner  Rob Salcido  Ian Finlayson  **RESNET STAFF**  Molly Miller  Rick Dixon | Dean Gamble  Charlie Haack  Terry Clausing  Josh Spence | Neal Kruis |

* **Introduction of Attendees (other than SDC members & RESNET Staff)**
  + Mike Bowman and Dave Roberts have not renewed their appointments to SDC300.
  + Seeking individual to lead on action items related to ANSI/RESNET 380
* **Approve Agenda & July 16th Meeting Minutes**

Gayathri made a motion to approve the July 2024 minutes.

Kelly Parker approved.

Philip Fairey seconded.

* **Meeting/Call Schedule**
* Bi-monthly Calls (1-2 pm, 3rd Tuesdays, **next is November 19th)**
* **Overview of current and future projects**

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**Current Projects:**

**ANSI 301-2022 Standards Projects:**

Addendum C Interpretations, Software Consistency, Onsite Battery, SEER2

Status:                    Completed SDC300 & SMB ballots. Pending ANSI Approval. Estimated in late Q4 2024.

[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:                    Recirculation ballot conducted; PDS-01 Approved; 45-day public comment began 8.30.24 and ends 10.14.24. [Webinar](https://register.gotowebinar.com/register/8210388017662923861) scheduled for this Thursday, Sept 19 at 2 pm

Addendum E           CFIS Systems (single proposal for 301 & 380 amendments)

Status:                    Completed SDC300 & SMB ballots. Pending ANSI Approval. Estimated in late Q4 2024.

[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:                    A Task Group was formed to address the resolution of two different public comment proposed approaches to changing draft PDS-01; The Task Group is meeting but has yet to reach a consensus on a recommendation. Due to timing, will likely ‘discontinue’ as an Addendum to 301-2022 and re-start as MINHERS Addendum (TBD #). Once that is approved, would propose as Addendum to 301-2025.

**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 : 45-day public comment period began on 8.2.24 and ended 9.16.24. 7 comments received as of 9/15/24. Calcs SC reviewed 1st group of 7 and recommends responses to reject.

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**ANSI 380-2022 Standards Projects:**

Addendum B         CFIS Systems (single proposal for 301 & 380 amendments)

Status:                   Completed SDC300 & SMB ballots. Pending ANSI Approval. Estimated in late Q4 2024.

**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 : No public comments were submitted on draft PDS-01 (PC closed on June 10, 2024). Three new internal proposals for change were considered by the EquipSC. The ballot on draft PDS-02 was initially delayed to determine if public comment on PDS-01 301-2025 may impact 380-2025 also. (Standards 301 and 380 are conjoined so must be amended concurrently.) The ballot was sent to members 9/10/2024 and is due on 9/25/2024

**ANSI 310 Standards Projects:**

CMP1                     Documentation of Refrigerant Weight

Status:                    The Equipment SC has an agreement with the proponent to address this issue further during phase II of the Standard 310 update.

[**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:       Draft PDS-01 approved by SDC300 on 5.23.24; ACCA approved 8.2.24; the 45-day public comment began 8.16.24 and ends 9.30.24

**MINHERS Standards Addenda Projects:**

Addendum 79 Table 5.1.2(1) Informative Note Correction.

Interim 79i Approved by SDC and in place.

Final 79f Completed; SMB approved.

[Addendum 76](https://www.resnet.us/about/standards/minhers/draft-pds-01-minhers-addendum-76-adoption-of-ansi-resnet-icc-301-2022/) Adoption of Standard 301-2022 & Addenda A & B

Status: Two comments were submitted on draft PDS-01; CalcSC recommended responses to reject both will be balloted after this meeting.

**Interpretations**

IR301-2022-002      Commercial DHW Efficiency

TG was set up to develop recommendations for CalcSC to consider - ONGOING

IR301-2019-035 Insulation Filled Cores CMU

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 81, Adoption of Standard 301-2022 Addenda C & E; Bedroom definition; Model home sales office/garage; and more!

MINHERS Addendum 82, Heat Pump modeling.

MINHERS Addendum ##, Integrated Heat Pump Water Heater (prior Addendum F)

* **Sub-Committee or Task Group Chair Updates & Upcoming Ballots**
  + Calcs [Philip] PDS-01 Addendum 76

Philip shared that Calcs discussed proposed responses to the 2 comments on PDS-01 Addendum 76. Anticipate the SDC300 Ballot on responses after the meeting. Philip stated that this was not open for public comment.

Gayathri stated Brian agreed with the proposal to reject the comment and the reasoning.

Gayathri explained the second comment was to modify the exception by striking the current exception and replace with Chapter 6. The commenter was concerned whether chapter 6 or ANSI 22 had better requirements. If the commenter wants a change to sampling protocol, then they’d have to repropose this change as a MINHERS addendum instead. This group also discussed proposed responses to the comments on PDS-01 301-2025. The SDC300 Ballot on the topic of these proposed responses will be distributed after the meeting.

Gayathri noted there were 8 comments, and they were all rejected.

* + - Comment #1:

Philip said the references to the tables were incorrect and the comment was rejected because it wasn’t open for public comment. The table references will be corrected in Addenda 81.

* + - Comment #2:

The calculations were incorrect and after investigation found this error came from the 2014 standards. This comment was rejected because it wasn’t open for comment. The calculations will be corrected in the next version of the MINHERS standard.

* + - Comment #3:

The commenter said the heat pump sizing needs to be changed and needs to meet the cooling load. The language that is in the document now says that the larger/sensible load. The word “sensible” needs to be changed because of clarification. This comment will be rejected because it wasn’t open for comment. This will be incorporated into a MINHERS addendum.

* + - Comment #4:

Philip stated the comment was redacted according to comment #5.

* + - Comment #5:

Philip stated comment #5 was rejected because the reasoning submitted was not correct.

* + - Comment #6:

Philip said the committee evaluated the table, and the table was calculated using the isothermal planes-method. In appendix C of the NCMA catalog illustrates the calculations. The judgment of the committee that Table C 1(2) is correct and does not require any modification.

* + - Comment #7:

Philip stated that the commenter proposed changes to the table values. The commenter is proposing to use lower resistivity values than 4.6 and 5.9.

The calculations sub-committee used the calculation procedures of the 2021 ASHRAE Handbook of Fundamentals (HOF).

It is the judgment of the committee that Table C. 1(2) is a technically accurate representation of well-defined CMU wall system R-values, and that Table C. 1(2) does not require further modification.

* + - Comment #8:

Philip stated that this commenter is proposing that the values in the middle 3 columns in Table C 1(2) include both R 4.6 and R 5.9. The commenter is proposing changes to the headings not the data in the Table.

The response to this comment is the committee first considered the use of Aminoplast foams for this table but ultimately decided that SPF foams with the larger resistivity of 5.9 would provide the most favorable overall results for core-fill foam products. Adding data for Aminoplast foams would necessitate another set of tables with lower CMU wall R-values.

Robby inquired about the comments that were rejected involving Table C 1(2) and how changes to the table could be made.

Philip clarified that the commenter would have to provide evidence or real data for RESNET to consider changes to their tables. RESNET is not currently working on this.

Gayathri added that this commenter could always repropose this as a MINHERS addendum or a change to the ANSI Standard if they feel strongly about the proposed change to the table.

* Update on Addendum F - Gayathri
  + - Preliminary report on HERS Score Impact analysis of Addendum 76, HERS transition to 301-2022 plus Addenda A & B – Neal

Rick said the procedure now requires the impact analysis on the HERS scores on any addendum or any changes to the standards. Several changes are going to impact scores.

Neal stated that Addenda C & E doesn’t contradict the current standards. Appendix C includes many consistency changes. Addendum 76 will also reflect these changes.

Neal stated that they have 30 or so test cases spanning different climates. Overall, the changes include beta versions of each software tool with addenda A-E and comparing the same cases with the prior version. For the most part, the average is half a point. Overall, in Ekotrope the average is close to zero.

Neal asked Rick how soon RESNET sets volunteer and mandatory compliance date and what information the public would want to see relating to HERS Score data.

Rick stated the mandatory and voluntary compliance dates depend on the impact of changes on the data. The primary purpose will be to get the data over to the SMB for their review. This will go out depending on the application date and other variables. The transition period will likely be around a year.

* + Equipment [Gayathri/Rick]
    - Update on PDS-02 380-2025 & ballot that was sent out; discuss member questions

Gayathri explained the first question was regarding the words “Interior doors” and its definition. Gayathri pointed out on the document that the words had been crossed out and replaced with “Any vents, access panels, doors, or other movable partitions that separate spaces within the Infiltration Volume.”

Gayathri stated the second question was regarding section 6.1.8.1. and was needed for permission for raters to tape off all air inlets except at the bottom in they were using the airflow through a microwave.

Gayathri said the third question was more for Rick Dixon to try to help those referencing Standard 301 within 380 for easier standards management.

Ballot for responses to comments on PDS-01 310-2025 probable before the November meeting.

* + Enclosures [Robby]
    - Update on Addendum D: Appendix A, Insulation Installation Grading
  + MINHERS
    - Approved Amendments (see above)
    - Upcoming Amendments (see above)
      1. MINHERS 81 - Various [Rick]
      2. MINHERS 82 – Heat Pump [Neal]

Neal created a “Direct Expansion Modeling Appendix”, and the eventual intention is for this to be as an appendix to 301.

It is very in-depth and builds on several data sources.

The intention is to have the same approach for all software providers.

Gayathri stated that it is on the agenda because SDC300 might not meet before it goes out for comments. Not all software is currently addressing the high efficiency of heat pumps.

Thiel asked if there is any information on BRF systems and Geothermal systems in this document.

Neal answered ground source heat pumps are out of scope for this directory. BRF systems depend on how they are rated. If they are rated under the current standard, then you could use this proposed methodology.

Thiel asked if that is listed on the AHRI certificate for the equipment in the specific standard.

Neal stated it is listed if you are using the AHRI 210/240 certificate.

* **Other Topics/New Business**
  + Model / Sales office [Brian / Dean]
  + Task Groups vs Sub-Committees?
* **Adjournment**

2:00 PM EST

**Supplemental Information:**

**Standards and Addenda Completed in 2022 & 2023**

**RESNET/ANSI Standards Projects -**

**301-2022**

301-2022 2022 Edition of Standard 301

Status: SMB 1.8.22. ANSI final approval 2.3.22.

**301-2022**

Addendum A RECS

Status:                    ANSI final action: 7.28.22

Addendum B CO2E Index

Status:                    ANSI final action: 10.12.22

**380-2022**

380-2022 2022 Edition of Standard 380

Status: SMB 5.9.22. ANSI final approval 5.10.22.

**380-2022**

Addendum A           Standard 301-2022 & ASTM E Reference

Status:                    ANSI final action: 5.19.23

**301-2019**

Addendum C Defaults in lieu of DLTO test

Status: SMB approved 1.8.22. ANSI final approval 3.1.22.

Addendum D CO2 Rating Index

Status: SMB approved 1.13.22. ANSI final approval 3.4.22.

Addendum E Update Standard 301 Appendix A, Insulation Grading

Status: Decision 6.2022 to discontinue as 301-2019. Project

restarted as proposed Addendum D to 301-2022.

**MINHERS Standards Projects:**

[Addendum 74](https://www.resnet.us/wp-content/uploads/FSAdndm74_DeleteExcptnAddDef-SpaceConstrained_webpost.pdf) Delete COVID Pandemic Exception for Leakage Testing & Add Definition for Space Constrained AC and Heat Pump

Status:                    Posted: Approved 10.10.2023: MCD 1.1.2024

Addendum 66i CO2 Index

Status: Completed and posted. Effective March 4, 2022

Addendum 65f Third Party Energy Efficiency Program HERS Ratings,

Renewable Energy Credits

Status: SMB approved 8.5.22. Adn 65i currently in effect. Adn 65f

Mandatory 1.1.23

Addendum 65i Third Party Energy Efficiency Program HERS Ratings,

Renewable Energy Credits

Status: Completed, Effective January 31, 2022

Addendum 64f Inspections and tests sampling criteria for MF dwelling

units

Status: Completed, Mandatory July 1, 2022

Addendum 64i Inspections and tests sampling criteria for MF dwelling

units

Status: Completed, Effective January 3, 2022

Addendum 61f Reinstitute Addendum 48i pandemic exception allowing

use of defaults in lieu of tested values for leakage

(Exception expires 30 days after federal emergency

declaration ends)

Status: Completed, Mandatory July 1, 2022

Addendum 61i Reinstitute Addendum 48i pandemic exception allowing use

of defaults in lieu of tested values for leakage

Status: Completed, Effective October 19, 2021

Addendum 57 Align HERS Changes with Jurisdiction Codes Updates

Status: Discontinued, Issue addressed via Addendum 65

Addendum 53f Implementation of Stds 301-2019 & 310-2020 for the HERS: (final of Addenda 53i & 55i)

Status: Completed, Mandatory January 1, 2022