

**STANDARDS COMMITTEE**

**MINUTES**

**ASHRAE 2024 Annual Meetings**

**June 22 and June 26, 2024**

Approved by StdC: 8-6-2024

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**Standards Committee Action Items**

**As of June 26, 2024**

**Updated Items Noted in Red**

|  |  |  |  |
| --- | --- | --- | --- |
| **January Chicago Winter Meeting** | | | |
| **AI#** | **Action Item** | **Assigned** | **Status** |
| 1 | Standards Committee to update funding form to include a new matrix - possible qualifications for a small amount requested and large amount requested. For larger requests, consider the possibility of cosponsoring with RAC. Chris Seeton to touch base with SSPC 34 to see if they are interested in applying for funds.  Spring meeting – Chris S. – no update  Annual meeting – Susanna presented a motion from Foundation ExCom to Board of Trustees – StdC supports the motion. | StdC | OPEN |
| 2 | Staff to work on membership training materials and updating of ASHRAE website. | Staff | CLOSED |
| **JUNE INDIANAPOLIS ANNUAL MEETING** | | | |
| 3 | Staff to update the 189.1ak summary of concerns/best practices. | Staff | OPEN |
| 4 | 90.2 SPLS Liaison to track the progress of standard becoming more of a building performance standard as opposed to strictly an energy standard. 90.2 should clarify their TPS to indicate this. (See minutes discussion item 2a) | Jennifer Isenbeck | OPEN |
| 5 | Phillip Johnson to form ad hoc working group to discuss in detail the future of the Project Committee Interactive Venue and develop recommendations. | Phillip Johnson | OPEN |

# 1. Call to Order and Introductions

The Standards Committee 2024 Annual Meeting was called to order by StdC Chair, Doug Fick, on Saturday, June 22, 2024, 8:00 am EDT.

**Introductions**

Std members, incoming members, staff and guests were greeted. The attendees were as follows:

|  |  |
| --- | --- |
| **Members Present**  **(includes online attendance)**  Doug Fick, Chair  Kelley Cramm  Abdel Darwich\*  Drake Erbe  Pat Graef  Jennifer Isenbeck  Phillip Johnson  Gerald Kettler\*\*  Jay Kohler  Paul Lindahl  Jim Lutz  Julie Majurin  Lawrence Markel  Margaret Mathison  Kenneth Monroe  Daniel Nall  Philip Naughton  Kathleen Owen\*  Gwelen Paliaga  Karl Peterman  Justin Prosser  David Robin  Paolo Tronville  Doug Tucker  Bill Walter  Susanna Hanson – *ExO*  Ashish Rajeda, *CO* | **Members Not Present**  Jaap Hogeling  Christopher Seeton  **Staff Present**  Carl Jordan, *SAS*  Ryan Shanley, *Sr. MOS*  Tanisha Meyers-Lisle, *A-MOS*  **Guests Present**  **(includes online attendance)**  Hoy Bohanon  James Earley\*\*  David Goldstein  William Healy\*\*  Charles Hon  Satish Iyendar  Jseong Nom\*\*  Jaehyun Park\*\*  Steve Rosenstock\*\*  Patrick Ryan  Sojeong SK\*\*  Rusty Tharpe  Adrienne Thomle  Nadja Tremblay\*\* |

\*June 22 only

\*\* June 26 only

# 2. Adoption of the Agenda

The agenda was adopted as presented and a review of the ASHRAE Value Statement, ASHRAE Code of Ethics, Commitment to Care and Anti-Trust Guidelines were made.

# 3. Chair’s Report

Chair, Doug Fick, discussed the Standards Committee Mind Map and thanked participating members. He also recognized incoming Standards Committee members who were in attendance. Lastly, the Chair acknowledged the new ASHRAE Simplified Rules of Order & Quick Reference Guide.

# 4. BOD Officials’ Reports

Board ExO, Susanna Hanson discussed the Leadership Presentation.

# 5. Sr. MOS Report

Senior Manager of Standards, Ryan Shanley, presented updates on the pending appeal of Addendum *j* to Standard 62.2. A hearing has been scheduled for September 17, 2024 at the ANSI DC Headquarters. The appeal received for Addendum *ak* to Standard 189.1 was upheld in part and denied in part. The addendum was sent back to the committee for further review. As part of the appeals decision, a summary of concerns would be provided to Standards Committee, SPLS Liaison and the SSPC Chair. Some committee members expressed discomfort with the wording and it was requested that Staff update the summary. Ryan Shanley noted PASA has completed the reaccreditation process and new procedures are located on the website. Ryan noted the website updates are in process, he identified areas in which the website would undergo two phases; first phase is clean up and organization; second phase is removal of outdated links and material and uploading new trainings.

# 6. Approval of Minutes

No minutes were presented for approval at this meeting. Minutes were approved using the balloting feature of the OSR.

# 7. Review of Action Items

Please see the updated status of Action Items on [page 2](#actionitems).

# 8. Publication Drafts

It was moved by Jennifer Isenbeck and seconded by Kelley Cramm:

**1** That ANSI/ASHRAE/IES Addendum *s* ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings*, be approved for publication.

**MOTION PASSED.** 18-0-4, CNV

*(****Secretary’s Note****: Dan Nall was not present for the vote. Drake Erbe, Doug Tucker, Justin Prosser and Paul Lindahl abstained as they are members of the PC. )*

It was moved by Jay Kohler and seconded by Kelley Cramm:

**2** That ANSI/ASHRAE/IES Addendum *g* ANSI/ASHRAE/IES Standard 90.2-2022, *High-Performance Energy Design of Residential Buildings*, be approved for reconsideration. At the Spring 2024 meeting, the motion for publication failed.

**DISCUSSION:** Jay Kohler and Kelley Cram were negative voters during the March 2024 virtual meeting, they moved for this item to be reconsidered at the Annual meeting. David Goldstein, Chair of SSPC 90.2 was present to speak in favor of the reconsideration request. He stated this addendum does things that SSPC 62.2 could not do themselves since they are a minimum code and Standard 90.2 is a voluntary leadership standard. This addendum is at the request of 62.2. As exemplified by the previous vote the committee is divided as to the scope of 90.2 Due to this confusion 90.2 will review their scope to specifically include IEQ. Liaison Larry Markel stated the scopes are different and he is in favor of reconsidering the motion.

**MOTION PASSED.** 20-2-0, CNV

*(****Secretary’s Note:*** *Dan Nall was not present for the vote. Drake Erbe and Karl Peterman voted negative. Drake stated “I did not want to start the discussion of scope creep which I am observing especially in SSPC 90.2 and others, but Addendum g implies some coverage and technical requirements that will increase the cost of construction and complexity in the industry.  Additionally, I believe this direction will result in less adoption of a code intended standard which is the ultimate goal.”*

*Karl Peterman voted negative because “there is one line in this addendum that has created my concern where it stipulates a minimum MERV rating for filters – that is higher than the minimum rating in 62.2. I did not hear anything would change my mind with respect to what I see as the 90.2 committee taking on the scope of 62.2.”)*

It was moved by Jennifer Isenbeck and seconded by Paul Lindahl:

**2a** That ANSI/ASHRAE/IES Addendum *g* ANSI/ASHRAE/IES Standard 90.2-2022, *High Performance Energy Design of Residential Buildings*, be approved for publication.

**DISCUSSION:**  Karl Peterman questions if there is anything on record from 62.2 that supports this addendum? Doug Fick responded that 90.2 had a CMP (from Standard 62.2). Ryan Shanley states that there is a joint working group with both committees. The CMP was submitted from a member of 62.2. Doug states that we had a small group discussion earlier this month and submission forms will be updated to include adherence to TPS. Kelley states she would like to see 90.2 (with support of 62.2) become more of a building performance standard as opposed to strictly an energy standard. She believes 90.2 needs to clarify their TPS to indicate this. David Goldstein states 90.2 welcomes suggestions. This seems like an issue where participation is needed. Abdel states if 90.2 becomes a performance standard then you wouldn’t have 189.2. Ryan Shanley states that project was discontinued 10 years ago because it overlapped with other standards.

**MOTION PASSED.** 18-1-3, CNV

*(****Secretary’s Note:*** *Dan Nall was not present for the vote. Drake Erbe voted negative (same reasons as above #2. Phillip Johnson, Jim Lutz and Karl Peterman abstained.)*

It was moved by Jennifer Isenbeck and seconded by Margaret Mathison:

**3** That BSR/ASHRAE/IES Addendum *i* ANSI/ASHRAE/IES Standard 90.2-2018, *High-Performance Energy Design of Residential Buildings*, be approved for publication.

**MOTION PASSED.** 23-0-0, CNV

It was moved by Jennifer Isenbeck and seconded by Margaret Mathison:

**4** That BSR/ASHRAE/IES Addendum *j* ANSI/ASHRAE/IES Standard 90.2-2018, *High-Performance Energy Design of Residential Buildings*, be approved for publication.

**MOTION PASSED.** 23-0-0, CNV

It was moved by Jennifer Isenbeck and seconded by Margaret Mathison:

**5** That BSR/ASHRAE/IES Addendum *n* ANSI/ASHRAE/IES Standard 90.2-2018, *High-Performance Energy Design of Residential Buildings*, be approved for publication.

**MOTION PASSED.** 23-0-0 CNV

**DISCUSSION:** Karl Peterman suggests there may be scope creep with this addendum, the issue is whether/not this committee/standard can mandate the installation of EV chargers. Karl prefers it says “if” an EV charger is installed then you do “x”. It appears the committee’s intent was good but I think they went too far. Jim Lutz states this was brought up as an issue in SPLS. He questions if there have been discussions with 90.1. David Goldstein states they should be aware since reports are given to their liaison. This addendum went through a number of Independent Substantive Changes (ISC) and has been carefully considered and subjected to a lot of change. Philip Naughton believes this addendum is overstepping quite a bit. David states 90.2 is not requiring electrical, we are saying for example, putting conduit under the concrete is easier and you can avoid a lot of future costs. Dan Nall states that retrofitting existing buildings are the biggest challenge, if this requirement is for providing space and pathways that may be reasonable. Ken Monroe agrees with Dan and supports the motion. Drake Erbe questions the adoptability of the standard; many areas may only take parts of it to reference or may not even adopt it. Where does this fit? Are other committees discussing it? David states he doesn’t know yet. They may know in a couple of months. Gwelen speaks in favor of the motion, he states technical discussions at the Standards level is not our job, this standard is what is happening and what is to be expected. Dave Robin agrees we shouldn’t discuss technical issues, is it within the scope to make this mandate? If it is then we cannot object to it.

**MOTION PASSED.** 21-2-0, CNV

***(Secretary’s Note:*** *Philip Naughton and Karl Peterman voted negative. Karl voted negative because “contrary to what I heard in the discussion, I believe 90.2 is overstepping their authority and scope with this statement: “7.6.7.1 Where parking is provided, EVSE-installed spaces shall be provided…” and “7.6.7.2 One- to Two-Family Dwellings and Townhouses. For each dwelling unit, provide at least one automobile parking space with an EVSE installed,” which require the installation of charging stations. The phrases with “EVSE-installed” should not have been included to match the rationale I heard in the meeting – which was that the change would only require conduits – not wires. As is, this requires significant costs with wiring etc. Many jurisdictions have no infrastructure to support such efforts and such building requirements need to be determined by local jurisdictions, not by 90.2.” Philip Naughton voted negatively because he feels the current TPS of 90.2 does not include EV Charging Devices. He does not consider Electric Vehicle Supply Equipment (EVSE) as equal to an appliance and therefore are beyond the scope of 90.2.)*

It was moved by Jay Kohler and seconded by Paul Lindahl:

**6** That ANSI/ASHRAE/ASHE Addendum *h* ANSI/ASHRAE/ASHE Standard 189.3-2021, *Design, Construction, and Operation of Sustainable High-Performance Health Care Facilities*, be approved for publication.

**MOTION PASSED** 23-0-0, CNV

# 10. PPIS

The June 21, 2024, PPIS Report was presented by Chairman, Bill Walter. For more information regarding this report please see [Attachment A](#AttA).

**7** **MOTION 1 PASSED:** 22-0-1, CNV

*(****Secretary’s Note****: Justin Prosser abstained.)*

This motion recommends a new Title, Purpose and Scope and a new Standard Project Committee be formed.

**MOTION 2 PASSED:** 23-0-0, CNV

This motion recommends a new Title, Purpose and Scope and a new Standard Project Committee be formed.

**MOTION 3 PASSED (as amended):** 23-0-0, CNV

This motion recommends that the PC Guide to PASA, Approval of ASHRAE-Only Standards be approved as a new section in the document.

**MOTION 4 PASSED:** 23-0-0, CNV

This motion recommends that ICC be approved as a cosponsor of Proposed ASHRAE Standard 242P, *Standard Method for Calculation of Building Operational Greenhouse Gas Emissions*, with ASHRAE as the lead.

# 11. SPLS Report

The June 21, 2024, SPLS Report was presented by Chairman, Justin Prosser. Only information items were provided. For more information regarding this report please see [Attachment B](#AttB).

# 12. CIS

CIS Chairman, Karl Peterman provided an update on CIS activities.

* CIS approved proposals were taken to IAPMO technical meetings in May and a majority of those items were approved. Most of the updates related to ASHRAE 15 but there were other proposals for 34, 62.1, 62.2, and 90.1.
* CIS has also approved proposals to update references to ASHRAE 15 in NFPA 90A and add a reference to 15.2 in NFPA 90B. Those were submitted in June.
* CIS liaison Emily Toto will briefly present at the TC chair’s breakfast in Indianapolis to improve coordination. ASHRAE technical committees are not as familiar with the CIS process compared to ASHRAE PCs and we would like to improve engagement.
* ASHRAE will need to submit modifications for some of the ASHRAE 15 and 62.2 proposals that were rejected during the first ICC code hearing. We are waiting on updates from the committees but expect it to be soon, as the deadline for ICC’s next stage is July 8.

# 13. SRS Report

The May 31, 2024, SRS Report was presented by Chairman Doug Fick. For more information regarding this report please see [Attachment C](#AttC).

8 **MOTION 1 PASSED: 23-0-0, CNV**

This motion recommends that ANSI/ASHRAE Standard 171-2017, *Method of Testing & Rating Seismic Restraint Devices for HVAC&R Equipment,* be approved for revision and a revision project committee be formed.

Doug Fick states SRS has a second revision project (SPC 184) to approve but paperwork is not complete. Phillip Johnson is working with TC 8.2 to complete the paperwork and identify an additional member. This will come forward in the near future.

# 14. New Business

None.

# 15. Recess

The Standards Committee meeting recessed at 12:00 pm Eastern.

**16. Call to Order**

The meeting of Standards Committee was called to order by StdC Chair Doug Fick on Wednesday, June 26, 2024, at 7:30 am ET.

Members of the committee, staff and guests were greeted. The attendees were as noted above.

# 17. SPLS Report

The SPLS Report was presented by SPLS Chair, Justin Prosser. For more information regarding this report please see [Attachment D](#AttD).

**9 MOTION 1 PASSED.** 17-0-3, CNV

***(Secretary’s Note:*** *Margaret Mathison abstained as she serves on the PC. Pat Graef and Jennifer Isenbeck abstained as they could not hear the discussion.)*

This motion recommends proposed changes to the TPS for ANSI/ASHRAE Standard 41.6-2021R*, Standard Methods for Humidity Measurement.*

**MOTION 2 PASSED.** 16-0-4, CNV

***(Secretary’s Note:*** *Pat Graef and Jennifer Isenbeck abstained as they could not hear the discussion. Jim Lutz abstained; he notes that a quick search on the website provided that 189.3 mentions decarbonization. Ken Monroe abstained because he was out of the room during a major part of the SPLS discussion and felt the mood in the room changed. Therefore, he missed some important information in order to make an informed decision.)*

This motion recommends proposed changes to the TPS for ANSI/ASHRAE Standard 211-2018(RA2023), *Standard for Commercial Building Energy Audits and Decarbonization Assessments.*

**MOTION 3 PASSED.** 18-0-2, CNV

***(Secretary’s Note:*** *Ken Monroe and Gerald Kettler abstained because they serve on the project committee.)*

This motion recommends proposed changes to the TPS for Guideline 1.2-2019, *Technical Requirements for the Commissioning Process for Existing HVAC&R Systems and Assemblies.*

**MOTION 4 PASSED.** 18-0-2, CNV

***(Secretary’s Note:*** *Ken Monroe and Gerald Kettler abstained because they serve on the project committee.)*

This motion recommends proposed changes to the TPS for Guideline 1.3-2018, *Building Operation and Maintenance Training for the HVAC&R Commissioning Process.*

**MOTION 5 PASSED.** 18-0-2, CNV

***(Secretary’s Note:*** *Ken Monroe and Gerald Kettler abstained because they serve on the project committee.)*

This motion recommends proposed changes to the TPS for Guideline 1.6P, *Commissioning of Data Centers.*

**MOTION 6 PASSED.** 20-0-0, CNV

This motion recommends that SPC 232P, *Common Content and Specifications for Building Data Schemas* be approved for continuous maintenanceupon publication and the formation of a standing standard project committee (SSPC 232).

# 18. PPIS Report

None.

# 19. SRS

None.

# 20. Publication Drafts

It was moved by Phillip Johnson and seconded by Paul Lindahl:

**10** ANSI/ASHRAE Addendum *ad* to ANSI/ASHRAE Standard 34-2022, *Designation and Safety Classification of Refrigerants*

**MOTION PASSED:** 18-0-2, CNV

(***Secretary’s note****: Julie Majurin abstained as she serves on the project committee. Larry Markel abstained because he cannot hear the discussion.)*

# 21. Unfinished Business

It was moved by Phillip Johnson and seconded by Kenneth Monroe:

**11** That an ad hoc working group be formed to discuss the PCIV plans in more detail and provide a recommendation to Standards Committee.

**Discussion:**

Justin Prosser discussed the need to formalize the Project Committee Interactive Venue. Doug expressed that we have three Standards Liaisons for the Center of Excellence for Building Decarbonization (CEBD) that will report to Tech Council. (Justin Prosser, Paolo Tronville and Margaret Mathison). Phillip Johnson moves to form an ad hoc working group (WG) and discuss in more detail and come back with a recommendation. Ken Monroe seconds. Drake generally supports the motion but states we have three defined liaisons and we should start with that. Drake wants to avoid overlap in duties. Kelley Cramm, Center for Excellence Building Decarbonization (CEBD) is not official until July 1st. While she supports the concept, she will not vote in favor since it is too early in the process and we should give some time to see what happens. Phillip Johnson (if the motion is approved) agrees to lead the WG. Justin Prosser states this group should be broader than decarbonization. He believes we need to have a formal way to structure the group. Who has the authority to resolve a harmonization issue? Is it Standards? Ken Monroe, speaks in favor of the motion and mirrors Justin’s thoughts. Phillip clarifies that this will be an ad hoc group intended to study and report back at the Fall meeting. Adrienne Thomle while not a voting member currently, she believes it may be a little early and we should allow the liaisons to find out their duties first and then report back.

**MOTION PASSED:** 16-2-2

*(****Secretary’s note****: Drake Erbe and Kelley Cramm voted negative. Drake and Kelley believe it’s much too early to form a group since the first reason of decarbonization harmonization was addressed by the Chair’s group. This appears to be forming a group to define the problem before we have the information required at this level. In addition, ASHRAE is not the only group trying to “harmonize” on this subject. I support Justin’s idea of the much larger problem of overall harmonization but this would not be just Standards involved. I would have supported this if we had more understanding from our Liaisons what the real problem is as revealed at Tech Council and then form a very real organization within Standards at the Winter Meeting.)*

# 22. New Business

None.

# 23. MBOs

MBOs were reviewed at the last meeting. The Chair will add new MBOs for SY 2024-2025.

# 24. Next Meeting/Closing Items

Fall Meeting - TBD.

# 25. Adjournment

The Standards Committee adjourned at 9:20 am.

# 26. Attachments

Attachment A



Attachment B



Attachment C



Attachment D











