

**STANDARDS COMMITTEE**

**MINUTES**

**ASHRAE 2021 Summer Virtual Meeting**

**June 21, 2021**

*Approved by StdC October 19, 2021*

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**Standards Committee Action Items**

**As of June 21, 2021**

**Updated Items Noted in Red**

|  |  |  |  |
| --- | --- | --- | --- |
| **January Orlando Winter Meeting** | | | |
| **AI#** | **Action Item** | **Assigned** | **Status** |
| 1 | An action item was assigned to PPIS (lead) along with CIS and ILS/ISAS to take a longer look at globalization in all relevant documents PASA and other procedures.  Ongoing report later today - ongoing | PPIS and CIS | Open |
| **January 2019 Atlanta Winter Meeting** | | | |
| **AI#** | **Action Item** | **Assigned** | **Status** |
| 2 | SPLS to review the ASHRAE/NSF 514 draft publication for duplication and harmonization prior to approval for public review. SPLS to send the draft back to the consensus body to resolve any procedural concerns that are identified. | SPLS | Closed |
| **June 2018 Houston Annual Meeting** | | | |
| **AI#** | **Action Item** | **Assigned** | **Status** |
| 3 | Staff to work with ANSI ISO Staff and SSPC 34 to develop a way to have one standard similar to the process used by SSPC 135. | Staff | Closed |

# 1. Call to Order and Introductions

The Standards Committee 2021 Summer Virtual Meeting was called to order on June 21, 2021 at 9:00 am ET via conference call.

**Introductions**

Std members and incoming members, staff and guests were greeted.

The attendees were as follows:

|  |  |
| --- | --- |
| **Members Present**  Dru Crawley, *Chair*  Rick Heiden, *Vice Chair*  Chip Barnaby  Robert Burkhead  Thomas Cappellin  Essam Khalil  Doug Fick  Walter Grondzik  Susanna Hanson  Jonathan Humble  Srinivas Katipamula  Jerry Kettler  Malcom D. Knight  Jay Kohler  Larry Kouma  Cesar Lim  Jim Lutz  Karl Peterman  Erick Phelps  Dave Robin  Steven Sill  Lawrence Schoen  Richard Swierczyna  Christian Taber  Rusty Tharp  Theresa Weston  Craig Wray  Drake Erbe, ILS/*ISAS Chair*  Jaap Hogeling, *BOD ExO*  William McQuade, *CO* | **Members Not Present**  None  **Staff Present**  Connor Barbaree, *Sr MOS*  Susan LeBlanc, *SA*  Tanisha Meyers-Lisle, *PA*  Stephanie Reiniche, *Director*  Ryan Shanley, *MOS-I*  **Guests Present**  David Delaquila  Patricia Graef  Bruce Hunn  Jim Kelsey  Paul Lindahl  Larry Markel  Margaret Mathison  Gwelen Paliaga  Justin Prosser  Adrienne Thomle  Bill Walter  Harry Wollin |

# 2. Adoption of the Agenda

The agenda was adopted as presented and a review of the ASHRAE Code of Ethics and Anti-Trust Guidelines was made.

# 3. BOD ExO Report

Mr. Jaap Hogeling presented an update on Society activities as shown in [Attachment A](#AttA).

# 3. Chair’s Report

Chair, Dru Crawley recognized incoming members and thanked those members rolling off for their dedication and hard work. Chair Crawley also briefly updated StdC on his efforts to identify potential conflict and duplication of proposed carbon equivalent values. A summary of findings will be provided to incoming Chair, Rick Heiden and Vice Chair, Susanna Hanson.

# 4. Sr. MOS Report

Mr. Connor Barbaree reported that appeals were received for proposed addenda a and y to Standard 62.2-2019, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*. In the case of addendum 62.2a, an appeals panel was formed, and it was determined that all but one of the appeals should be upheld. The panel expressed concern at the dismissal of a compromise proposal and recommended that the committee work towards a compromise with interested parties. The panel also recommended that procedures related to ASHRAE Standards Actions be reviewed and clarified. Regarding addendum 62.2y, an appeals panel was formed, and it dismissed the appeal without a hearing. The appellant chose to exercise his right to appeal to the ExSC at ANSI, which is in progress. The appellant also requested a stay on the publication of addendum y until the appeal process at ANSI has concluded.

# 5. Approval of Minutes

It was moved by Craig Wray and seconded by Jonathan Humble:

**1** That the StdC 2021 Spring Meeting Minutes be approved.

**MOTION PASSED.** 27-0-0 Chair not Voting (CNV)

# 6. Review of Action Items

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

# 7. Publication Drafts

It was moved by Susanna Hanson and seconded by Rick Heiden:

**2** That BSR/ASHRAE Addendum *o* ANSI/ASHRAE/IES Standard 90.1, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, be approved for publication.

**MOTION PASSED.** 25-0-2[[1]](#footnote-1) CNV

It was moved by Susanna Hanson and seconded by Doug Fick:

**3** That BSR/ASHRAE Addendum *u* ANSI/ASHRAE/IES Standard 90.1, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, be approved for publication.

**MOTION PASSED.** 25-0-2[[2]](#footnote-2) CNV

It was moved by Susanna Hanson and seconded by Doug Fick:

**4** That BSR/ASHRAE Addendum *v* ANSI/ASHRAE/IES Standard 90.1, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, be approved for publication.

**MOTION PASSED.** 25-0-2[[3]](#footnote-3) CNV

# 9. PPIS

The PPIS Report was presented by PPIS Chair, Bob Burkhead. For more information regarding this report please see [Attachment B](#AttB).

It was moved by Bob Burkhead:

**5** That the following Title, Purpose and Scope (TPS) be approved and that a new Guideline Project Committee be formed

**TITLE:** Measurement of Whole Building Performance for Commercial Buildings

1. **PURPOSE:**

The purpose of this document is to provide guidelines for reliably measuring whole building performance pertaining to commercial buildings, excluding low-rise residential buildings.

**2. SCOPE:**

This document provides procedures for measuring whole building performance pertaining to all occupied buildings except low-rise residential buildings, including: energy, water and indoor environmental quality (IEQ).

**2.1. What Is Included.** The procedures include:

a. IEQ (thermal comfort, indoor air quality, lighting, and acoustics);

b. energy, water, and on-site renewables;

c. occupant behaviors;

d. metrics, measurement methods (including data integrity), and benchmarking/evaluation methods;

e. multiple levels of measurements (accuracy/complexity); and

f. all types of occupied buildings except low-rise residential buildings.

It was moved by Susanna Hanson and seconded by Jonathan Humble:

**5A** That the Title and Purpose to Motion 5 be amended as follows:

**TITLE:** Measurement of Whole Building Performance for ~~Commercial~~ Occupied Buildings Except Low-Rise Residential Buildings.

**1. PURPOSE:**

The purpose of this document is to provide guidelines for reliably measuring whole building performance pertaining to ~~commercial~~ occupied buildings, except low-rise residential buildings.

**MOTION TO AMEND PASSED.**  27-0-0, CNV

**MOTION AS AMENDED PASSED.**  26-0-1[[4]](#footnote-4), CNV

It was moved by Bob Burkhead:

**6** That the PC Guide to PASA, *Removal for Cause* (p.13) and the Standards Committee Reference Manual 11.5.1.6 *Removal for Cause Initiated by SPLS* (new section added) be approved as amended and shown in the PPIS report ([Attachment B](#AttB)).

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**MOTION PASSED.** 23-2[[5]](#footnote-5)-2[[6]](#footnote-6) CNV

# 8. SPLS Report

The SPLS Report was presented by SPLS Chair, Susanna Hanson. For more information regarding this report please see [Attachment C](#AttC).

It was moved by Susanna Hanson:

**7** That proposed changes to the TPS for Standard 227, *Passive Building Design Standard,* be approved as shown in Attachment A of the [SPLS Report](#AttC).

**MOTION PASSED.**  22-1[[7]](#footnote-7)-2[[8]](#footnote-8), CNV

It was moved by Susanna Hanson:

**8** That the following revision to the membership roster for SSPC 62.2, Ventilation and Acceptable Indoor Air Quality in Residential Buildings, be approved:

a. Reappointment/Change of Status for James C. (Mike) Moore from Vice Chair and PCVM-Manufacturer on the Indoor Air Quality Subcommittee to Chair and PCVM-Manufacturer on the Indoor Air Quality Subcommittee for a four-year term beginning July 1, 2021 and ending June 30, 2025.

It was moved by Rick Heiden and seconded by Susanna Hanson:

**8A** That the term of service for Mike Moore be amended to a two-year term ending June 30, 2023.

**MOTION TO AMEND PASSED.**  26-0-0, CNV

**MOTION AS AMENDED PASSED.**  26-0-0, CNV

It was moved by Doug Fick and seconded by Susanna Hanson:

**9** That the proposed interest categories for SSPC 62.2, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings,* be approved as shown in Attachment B of the [SPLS Report](#AttC).

**MOTION PASSED.**  23-3[[9]](#footnote-9)-0, CNV

It was moved by Doug Fick and seconded by Susanna Hanson:

**10** That revisions to the membership roster for SSPC 62.2, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings,* items 2, 3, 4, 5, 6, 7, 8, 10, 11 and 12, be approved as shown in Attachment C of the [SPLS Report](#AttC).

**MOTION PASSED.**  26-0-0, CNV

It was moved by Susanna Hanson:

**11** That the following revision to the membership roster for SSPC 90.2, *Energy Efficient Design of Low-Rise Residential Buildings,* be approved.

a. Reappointment of David B. Goldstein as Chair; PCVM-General on the Lighting Subcommittee for a four-year term beginning July 1, 2021 and ending June 30, 2025

**MOTION PASSED.**  26-0-0, CNV

It was moved by Susanna Hanson:

**12** That the following revision to the membership roster for SSPC 90.4, *Energy Standard for Data Centers,* be approved.

a. Reappointment/Change of Status for Marcus Hassen from Vice-Chair; PCVM-Owner/Operator to Chair; PCVM-Owner/Operator for a two-year term beginning July 1, 2021 and ending June 30, 2023

**MOTION PASSED.**  26-0-0, CNV

It was moved by Doug Fick and seconded by Erick Phelps:

**13** That StdC approve a two-year term extension for Wayne H. Stoppelmoor, Chair and PCVM-Producer of SSPC 100, *Energy Efficiency in Existing Buildings,* beginning July 1, 2022 and ending June 30, 2024.

**MOTION PASSED.**  22-4[[10]](#footnote-10)-0, CNV

It was moved by Susanna Hanson:

**14** That the following revision to the membership roster for roster SSPC 188, *Legionellosis: Risk Management for Building Water Systems,* be approved.

a. Change of Status for Michael P. Patton from Vice Chair and PCVM Manufacturer to Chair and PCVM-Manufacturer for a four-year term beginning July 1, 2021 and ending June 30, 2025

**MOTION PASSED.**  26-0-0, CNV

It was moved by Susanna Hanson:

**15** That the following revision to the membership roster for SSPC 189.1, *Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings,* be approved.

a. Reappointment/Change of Status for Marcus Hassen from Vice-Chair; PCVM-Owner/Operator to Chair; PCVM-Owner/Operator for a two-year term beginning July 1, 2021 and ending June 30, 2023

**MOTION PASSED.**  25-0-1[[11]](#footnote-11), CNV

# 10. SRS

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

It was moved by Rick Heiden:

**16** That the following projects be approved for revision via consent agenda, and that new revision project committees be formed:

1. ANSI/ASHRAE Standard 150-2019, *Method of Testing the Performance of Cool Storage Systems*
2. ANSI/ASHRAE Standard 173-2012 RA2016, *Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors*
3. ASHRAE Guideline 39-2017, *Method of Test for Measuring Fractionated Compositions of Refrigerant Blends*

**MOTION PASSED.**  26-0-0, CNV

# 12. CIS

CIS Chair, Jonathan Humble, presented updates noted in the CIS Report as shown in [Attachment E](#AttE). There were no motions for StdC consideration.

# 11. ILS/ISAS

ILS/ISAS Chair, Drake Erbe gave an update on the status of moving ILS/ISAS under Tech Council as reported in the ILS/ISAS Report to StdC (see [Attachment F](#Attf)). The proposed motions in the report were determined to not require StdC approval and as such, were not moved forward.

# 12. Training

Training ad hoc Chair, Walter Grondzik provided a update on the status of training in the society noting that due to the virtual meetings, no PC Chairs training sessions have been conducted. A call for volunteers was made for the upcoming year and a suggestion was made to consider making the ad hoc a regular subcommittee. A summary of potential project was passed to the incoming StdC Chair, Rick Heiden, for planning purposes.

# 12. MBOs

Chair Dru Crawley noted that no additional actions on the MBOs have been made and they remain as shown in [Attachment G](#AttE).

# 13. New Business

Chair Dru Crawley officially “passed the gavel” to incoming chair, Rick Heiden and expressed his appreciation for all the hard work all StdC members and staff provide to ASHRAE.

# 14. Next Meeting/Closing Items

Next Meetings:

* 2021 Fall Meeting – October TBD
* ASHRAE Winter Meeting – Las Vegas, January 29 – February 2, 2022

# 15. Adjournment

The Standards Committee meeting adjourned at 12:15 pm ET.

# 16. Attachments

Attachment A



Attachment B



Attachment C



Attachment D



Attachment E



Attachment F



Attachment G



1. Jonathan Humble and Christian Taber abstained because they are members of the SSPC. [↑](#footnote-ref-1)
2. Jonathan Humble and Christian Taber abstained because they are members of the SSPC. [↑](#footnote-ref-2)
3. Jonathan Humble and Christian Taber abstained because they are members of the SSPC. [↑](#footnote-ref-3)
4. Larry Schoen abstained, stating, “*Authorizing this guideline will create a new committee working on an SCD covering issues for which multiple committees are already responsible.  For instance, in the area of indoor environmental quality, we already have Standards 62.1, 62.2 (which still covers high rise residential) 55 and 189.1, related Guidelines and perhaps others.  There are only so many experts in each individual subject area and with yet another Guideline, coordinating all these SCDs becomes even more difficult. I realize this is an issue that is broader than this particular TPS and I welcome a discussion about how StdC might address this. There are, I believe, organizational models in other Standards Writing Organizations.”* Mr. Schoen also provided suggested edits to the newly formed GPC for consideration. [↑](#footnote-ref-4)
5. Walter Grondzik and Craig Wray voted no. Walter Grondzik stated, *“As indicated in a previous "no" vote on this issue, I vote no because I believe this language sets up two tiers of ethics violations (one at the society level and one at the standards level) and is a form of undefined double jeopardy.”* Craig Wray stated, *“I voted no on the motion because I believe that the process for evaluating ethics failures regarding item "iv" needs to be defined to explicitly reference the procedures already contained in the ROB for investigating ethics complaints. I had already commented on this issue the last time StdC considered the related PASA changes, but my comments were not addressed.”* [↑](#footnote-ref-5)
6. Larry Schoen and Rusty Tharp abstained. [↑](#footnote-ref-6)
7. Craig Wray voted no stating, “*The reason that I voted no is that it is unclear why the provided rationale states that commissioning and re-commissioning should be required, but they are not included in the purpose or scope. At least to me, operation or a plan for operation does not include commissioning.”* [↑](#footnote-ref-7)
8. Walter Grondzik and Theresa Weston abstained because they are members of the SPC. [↑](#footnote-ref-8)
9. Theresa Weston, Christian Taber and Jonathan Humble voted no because they did not agree that the interest category of Manufacturer/Filter should be separate from Manufacturer. [↑](#footnote-ref-9)
10. Craig Wray, Jim Lutz, Walter Grondzik and Karl Peterman voted no. Craig Wray stated, “*I voted no on the motion because I believe that 1 year rather than 2 years is sufficient time to produce a succession plan. As I stated during the meeting, if more time than 1 year is needed to mentor someone to become the new PC Chair, then SPLS could consider modifying the time later, based on the provided succession plan*.” Karl Peterman stated, *“I do not agree with a two-year extension of term for the chair and support only the previously SPLS-approved extension of one year. I feel that a single one-year extension communicates the need to find and secure a replacement for the chair as soon as possible and does not preclude extending the term another time next year if warranted.”* [↑](#footnote-ref-10)
11. Jonathan Humble abstained because he is a member of the SSPC. [↑](#footnote-ref-11)