

**Standards Project Liaison Subcommittee   
(SPLS)**

**MINUTES**

**ASHRAE Winter Meeting**

**March 21, 2022**

*These are not the official minute until approved by SPLS*

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**SPLS Action Items**

**As of February 1, 2022**

Updates noted in red

|  |  |  |  |
| --- | --- | --- | --- |
| **SPLS Winter Meetings January 10, 2022** | | | |
| **AI#** | **Action Item** | **Assigned** | **Status** |
| 2 | An action item is assigned to Larry Schoen to work with the chair of SPC 124 to get the committee in balance. | Schoen | Open |
| 3 | Gwelen Palagia, VC of GPC 36 accepted an action item to speak to the chair of GPC 36 to ask PC members for reasons for no votes on future motions. | Palagia | Open |
| **SPLS Virtual Summer Meeting 2021** | | | |
| **AI#** | **Action Item** | **Assigned** | **Status** |
| 1 | An action item was assigned to Larry Schoen to work with the chair of SSPC 127 to get the SSPC in balance.  Will be in balance during the June meeting | Schoen | Open |

**Standards Project Liaison Subcommittee   
Fall Meeting, March 21, 2022**

**MINUTES**

# Introductions and Review of Agenda

The SPLS Conference Call was called to order on March 21, 2022, at approximately 2:00 pm ET. Chair Doug Fick welcomed members and guests and reviewed the ASHRAE Code of Ethics. The following members and staff were in attendance:

|  |  |
| --- | --- |
| **Members Present**  Douglas Fick  Chip Barnaby  Thomas Cappellin  Gerald Kettler  Jay Kohler  Paul Lindahl  Jim Lutz  Margaret Mathison  Gwelen Paliaga  Justin Prosser  Dave Robin  Larry Schoen  Christian Taber  Rusty Tharp  Craig Wray | **Members Not Present**  Larry Markel  **Staff**  Connor Barbaree, *Sr. MOS*  Susan LeBlanc, *SA*  Tanisha Meyers-Lisle, *PA*  Ryan Shanley, *MOS Int’l.*  **Guests**  None |

1. **Minutes**

It was moved by Rusty Tharp and seconded by Chip Barnaby:

**1** That the SPLS Winter 2022 Meeting minutes and the SPLS February 28, 2022, Meeting minutes be approved via consent agenda.

**MOTION PASSED.** 13-0-0 CNV

1. **Action Items**

The action items were updated as shown in the [Action Items](#Actionitems).

# Proposed TPS Changes

It was moved by Larry Markel and seconded by Rusty Tharp:

1. Motion to disapproved to allow for harmonization with other codes and standards, the proposed changes to the TPS for Standard 62.2, *Ventilation and Indoor Air Quality in Residential Buildings*, as shown in [Attachment A](#AttA).

**MOTION PASSED.** 14-0-0 CNV

It was moved by Chip Barnaby and seconded by Craig Wray:

1. Motion to reconsider approving proposed changes to the TPS for Standard 90.1, *Energy Standard for Buildings Except Low-Rise Residential Buildings,* as shown in Attachment B, be approved.

**MOTION PASSED.** 11-2[[1]](#footnote-1)-2[[2]](#footnote-2), CNV

It was moved by Gwelen Paliaga and seconded by Craig Wray:

1. That the proposed changes to the TPS for Standard 90.1, *Energy Standard for Buildings Except Low-Rise Residential Buildings,* be amended in section 2.1b. as follows in red text, and as shown in Attachment C, be approved.
2. criteria for controlling *systems* in the *building* or on the *site* that modify *energy* usage based on communication with *energy* suppliers to facilitate the use of low-emissions energy sources, and

**MOTION PASSED.** 11-0-3[[3]](#footnote-3), CNV

**MOTION AS AMENDED PASSED.** 11-0-3[[4]](#footnote-4), CNV

It was moved by Gwelen Paliaga and seconded by Craig Wray:

1. It is recommended that proposed changes to the TPS for Standard 173, *Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors,* as shown in Attachment D, be approved.

**MOTION PASSED.** 13-1[[5]](#footnote-5)-0, CNV

# Public Review Drafts

*Secretary’s note: BSR/ASHRAE/IES Addendum ca to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings did not move forward as it was sent back to SSPC 90.1 due to the amended TPS.*

It was moved by Christian Taber and seconded by Craig Wray:

**4** That BSR/ASHRAE Addendum *j* to ANSI/ASHRAE Standard 62.1-2019, *Ventilation and Acceptable Indoor Air Quality*, be approved for publication public review.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Christian Taber and seconded by Craig Wray:

**4** That BSR/ASHRAE Addendum *ab* to ANSI/ASHRAE Standard 62.1-2019, *Ventilation and Acceptable Indoor Air Quality*, be approved for publication public review.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Christian Taber and seconded by Chip Barnaby:

**4** That BSR/ASHRAE Addendum *m* to ANSI ASHRAE 62.2-2019, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*, be approved for publication public review.

**MOTION PASSED.** 14-0-0 CNV

# Membership

It was moved by Chip Barnaby and seconded by Craig Wray:

**12** That the interest categories for SSPC 34, *Designation and Safety Classification of Refrigerants*, as shown in Attachment E, be approved.

**MOTION PASSED.** 13-0-1[[6]](#footnote-6) CNV

It was moved by Chip Barnaby and seconded by Rusty Tharp:

**12** That revisions to the membership roster for SSPC 34, *Designation and Safety Classification of Refrigerants*, as shown in Attachment F, be approved.

**MOTION PASSED.** 13-0-1[[7]](#footnote-7) CNV

It was moved by Craig Wray and seconded by Rusty Tharp:

**13** That revisions to the membership roster for SSPC 90.1, *Energy Standards for Buildings Except Low-Rise Residential Buildings*, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 9-0-2[[8]](#footnote-8) CNV

It was moved by Chip Barnaby and seconded by Craig Wray:

**14** That revisions to the membership roster for SSPC 90.2, Energy Efficient Design of Low-Rise Residential Buildings, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 14-0-0 CNV

It was It was moved by Tom Cappellin and seconded by Craig Wray:

**15** That revisions to the membership roster for SSPC 30, *Method of Testing Liquid Chillers*, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 10-0-1[[9]](#footnote-9) CNV

It was moved by Paul Lindahl and seconded by Craig Wray:

**22** That revisions to the membership roster GPC 45P, *Measurement of Whole Building Performance for Occupied Buildings Except Low-Rise Residential Buildings*, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Jim Lutz and seconded by Craig Wray:

**23** That revisions to the membership roster for SPC 181, *Methods of Testing for Rating Liquid to Liquid Heat Exchangers*, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Christian Taber and seconded by Craig Wray:

**27** That revisions to the membership roster for SSPC 62.2, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Christian Taber and seconded by Paul Lindahl:

**27A** To reconsider revisions to the membership roster for SSPC 62.2, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*.

**MOTION TO RECONSIDER PASSED.** 14-0-0 CNV

It was moved by Christian Taber and seconded by Craig Wray:

**27B** That items 1 and 2 in the membership roster for SSPC 62.2, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*, be approved and item 3 be sent back to the chair of SSPC 62.2 for clarification of the appropriate interest category.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Margaret Matheson and seconded by Craig Wray:

**28** That revisions to the membership roster for SPC 129, *Measuring Air-Change Effectiveness*, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Justin Prosser and seconded by Craig Wray:

**29** That revisions to the membership roster for SSPC 100, *Energy Efficiency in Existing Buildings*, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Dave Robin and seconded by Craig Wray:

**30** That revisions to the membership roster for GPC 23, *Guideline for the Design and Application of Heating, Ventilation, and Air-Conditioning Equipment for Rail Passenger Vehicles*, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Dave Robin and seconded by Craig Wray:

**31** That revisions to the membership roster for SPC 180, *Standard Practice for Inspection and Maintenance of Commercial-Building HVAC Systems,* as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Larry Schoen and seconded by Craig Wray:

**32** That revisions to the membership roster for SPC 232P, *Schema-Based Building Data Model Protocols*, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 12-0-2[[10]](#footnote-10) CNV

It was moved by Larry Schoen and seconded by Craig Wray:

**33** That revisions to the membership roster for SPC 118.1, *Method of Testing for Rating Commercial Gas, Electric, and Oil Service Water Heating Equipment*, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 10-0-1[[11]](#footnote-11) CNV

It was moved by Rusty Tharp and seconded by Craig Wray:

**34** That revisions to the membership roster for SSPC 170*, Ventilation of Health Care Facilities*, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 11-0-0 CNV

It was moved by Craig Wray and seconded by Justin Prosser:

**35** That changes to the roster for SPC 70, *Method of Testing for Rating the Performance of Air Outlets and Air Inlets*, as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Craig Wray and seconded by Justin Prosser:

**36** That changes to the roster for SPC 209, *Energy Simulation Aided Design for Buildings Except Low-Rise Residential Buildings,* as shown in [Attachment F](#AttB), be approved.

**MOTION PASSED.** 14-0-0 CNV

# New Business

SPLS held a brief discussion on International Standards noting that efforts are underway to identify ways to increase recognition of ASHRAE standards beyond North America.

Chair Fick provided an update on the memorandum issued by the Decarbonization Task Force and noted that a recommendation will be sent to PPIS for a new standard project that will deal with carbon emission factors.

# Liaison Reports

Craig Wray provided an overview of project committee actions as shown in his liaison report (see [Attachment C](#AttC)).

Chair Fick encouraged SPLS members to submit their liaison reports for the Las Vegas meeting.

# Recess

SPLS recessed at approximately 1:25 PM ET until Tuesday, February 1, 2022 in Las Vegas.

# Call to Order

The meeting of SPLS reconvened and was called to order by SPLS Chair, Doug Fick, on Tuesday, February 1, 2022, at 2:00 pm PT at the Caesars Palace, Verona room.

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

# Public Review Drafts

It was moved by Jay Kohler and seconded by Tom Cappellin:

**37** That BSR/ASHRAE Addendum *d* to ASHRAE Guideline 36-2021, *High Performance Sequences Of Operation For HVAC Systems,* be approved for publication public review.

**MOTION PASSED.** 13-0-1[[12]](#footnote-12) CNV

It was moved by Jay Kohler and seconded by Larry Schoen:

**38** That BSR/ASHRAE Addendum *e* to ASHRAE Guideline 36-2021, *High Performance Sequences Of Operation For HVAC Systems,* be approved for publication public review.

**MOTION PASSED.** 13-0-1[[13]](#footnote-13) CNV

*Gwelen Palagia, VC of GPC 36 accepted an action item to speak to the chair of GPC 36 to ask PC members for reasons for no votes on future motions.*

# Membership

It was moved by Chip Barnaby and seconded by Craig Wray:

**39** That revisions to the membership roster for SSPC 90.2, *Energy Efficient Design of Low-Rise Residential Buildings*, as shown in [Attachment D](#AttD), be approved.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Tom Cappellin and seconded by Rusty Tharp:

**40** That revisions to the membership roster for SSPC 185, *Methods of Test to Inactivate Microorganisms in HVAC Systems with UV-C Lights*, as shown in [Attachment D](#AttD), be approved.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Jay Kohler and seconded by Rusty Tharp:

**41** That revisions to the membership roster for SSPC 189.1, *Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings*, as shown in [Attachment D](#AttD), be approved.

**MOTION PASSED.** 12-0-2[[14]](#footnote-14) CNV

It was moved by Justin Prosser seconded by Rusty Tharp:

**42** That revisions to the membership roster for SPC 150, *Method of Testing the Performance of Cool Storage Systems*, as shown in [Attachment D](#AttD), be approved.

**MOTION PASSED.** 14-0-0 CNV

It was moved by Rusty Tharp and seconded by Tom Cappellin:

**43** That revisions to the membership roster for SSPC 90.4, *Energy Standard for Data Centers*, as shown in [Attachment D](#AttD), be approved.

**MOTION PASSED.** 14-0-0 CNV

# New Business

It was moved by Margaret Mathison and seconded by Chip Barnaby:

**44** That that a waiver to the ASHRAE Units Policy be granted for Addendum a (Section 5.6 "Weather Drivers Tests") to Standard 140, *Method of Test for Evaluating Building Performance Simulation Software.*

**MOTION PASSED.** 13-0-0 Chair not present

StdC Vice Chair, Susanna Hanson, announced to SPLS members that StdC will migrate to using the OCD for voting, which is expected to help members advise PCs on how to use the voting system.

Ms. Hanson informed SPLS that ASHRAE has some endowed funds for standards and requested members to think about some options for ways to allocate these funds to improve standards.

# Liaison Reports

SPLS reviewed the following liaison reports:

1. [Barnaby](#AttE)
2. [Cappellin](#AttF)
3. [Kettler](#AttG)
4. [Kohler](#AttH)
5. [Lindahl](#AttI)
6. [Mathison](#AttJ)
7. [Prosser](#AttK)
8. [Robin](#AttL)

# Next Meeting/Closing Items

Next Meetings:

* Spring Meeting, March TBD

# Adjournment

The SPLS meeting adjourned at 4:20 pm ET.

# Attachments

[Attachment F](#AttA)



Attachment F



Attachment C



Attachment D



Attachment E



Attachment F



Attachment G



Attachment H



Attachment I



Attachment J



Attachment K



Attachment L



1. Craig Wray and Larry Schoen voted no because there were no changes to the TPS since the last vote. [↑](#footnote-ref-1)
2. Christian Taber and Justin Prosser abstained because they are members of the SSPC. [↑](#footnote-ref-2)
3. Christian Taber, Justin Prosser and Paul Lindahl abstained because they are members of the SSPC. [↑](#footnote-ref-3)
4. Christian Taber, Justin Prosser and Paul Lindahl abstained because they are members of the SSPC. [↑](#footnote-ref-4)
5. Larry Schoen voted no stating the TPS “needs the word "refrigerant" in the title.” [↑](#footnote-ref-5)
6. Jay Kohler abstained because he is a recent past member of the SSPC. [↑](#footnote-ref-6)
7. Jay Kohler abstained because he is a recent past member of the SSPC. [↑](#footnote-ref-7)
8. Paul Lindahl and Justin Prosser abstained because they are members of the SSPC. [↑](#footnote-ref-8)
9. Justin Prosser abstained because he is a member of the SSPC. [↑](#footnote-ref-9)
10. Rusty Tharp and Dave Robin abstained. [↑](#footnote-ref-10)
11. Dave Robin abstained because he is a member of the SSPC. [↑](#footnote-ref-11)
12. Gwelen Palagia abstained because he is a member of the SSPC. [↑](#footnote-ref-12)
13. Gwelen Palagia abstained because he is a member of the SSPC. [↑](#footnote-ref-13)
14. Gwelen Palagia AND Larry Schoen abstained because they ae members of the SSPC. [↑](#footnote-ref-14)