

**Standards Project Liaison Subcommittee   
(SPLS)**

**MINUTES**

**ASHRAE Winter Meeting**

**January 10, 2022**

*These are not the official minute until approved by SPLS January 10, 2022*

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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** |
| 1 | An action item was assigned to Chip Barnaby to work with the chair of SSPC 34 to get the committee in balance as a safety standard.  *Note:* Closed during the February 1 meeting*.* | Barnaby | Closed |
| 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 Fall Meeting October 2021** | | | |
| **AI#** | **Action Item** | **Assigned** | **Status** |
| 1 | An action item was assigned to Doug Fick to ensure PC chairs are aware of options for assigning new applicants positions on a PC to avoid declining a new member.  Will be covered during PC chairs breakfast | Fick | Closed |
| 2 | An action item was assigned to Paul Lindahl to work with the Chair of GPC 45 to determine if the interest category assigned to Edward Arens (Producer) is the correct interest category.  Person is in correct category | Lindahl | Closed |
| 3 | An action item was assigned to Justin Prosser to work with the chair of SPC 150 to get the committee in balance.  Closed during the February 1 meeting | Prosser | Closed |
| **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. | Schoen | Open |

**Standards Project Liaison Subcommittee   
Fall Meeting,** **January 10, 2022**

**MINUTES**

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

1. **Introductions and Review of Agenda**

The SPLS Conference Call was called to order on January 10, 2022 at approximately 11:00 am ET. Chair Doug Fick welcomed members and guests and reviewed the ASHRAE Code of Ethics. The following members, guests and staff were in attendance:

|  |  |
| --- | --- |
| **Members Present**  Douglas Fick  Chip Barnaby\*\*  Thomas Cappellin  Gerald Kettler  Jay Kohler  Paul Lindahl  Jim Lutz  Larry Markel  Margaret Mathison  Gwelen Paliaga  Justin Prosser  Dave Robin  Larry Schoen\*\*  Rusty Tharp  Craig Wray | **Members Not Present**  Christian Taber  **Staff**  Connor Barbaree, *Sr. MOS*  Susan LeBlanc, *SA*  Tanisha Meyers-Lisle, *PA*  Ryan Shanley, *MOS Int’l.\**  **Guests**  Keith Emerson\*  Rick Heiden\*  Zee Hussein\* |

\*January 10th meeting only

\*\*February 1st meeting only

1. **Minutes**

It was moved by Rusty Tharp and seconded by Paul Lindahl:

**1** That the SPLS Fall Meeting minutes and the SPLS November 15, 2021, minutes be approved via consent agenda.

**MOTION PASSED.** 12-0-0, CNV

1. **Action Items**

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

1. **Standards Achievement Award**

EXECUTIVE SESSION

It was moved and seconded:

**2** That Dru Crawley and Roger Hedrick be awarded the Standards Achievement Award.

**MOTION PASSED.**

END OF EXECUTIVE SESSION

# Proposed TPS Changes

It was moved by Jim Lutz and seconded by Rusty Tharp:

**3** That proposed changes to the TPS for Standard 173, *Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors*, be approved as shown in [Attachment A](#AttA).

**MOTION PASSED.** 12-0-2 CNV

# Public Review Drafts

It was moved by Chip Barnaby and seconded by Jim Lutz:

**4** That BSR/ASHRAE addendum *o* to ANSI ASHRAE Standard 15-2019, *Safety Standard for Refrigeration Systems*, be approved for publication public review.

**MOTION PASSED.** 10-0-2[[1]](#footnote-1) CNV

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

**5** That BSR/ASHRAE addendum *p* to ANSI ASHRAE Standard 15-2019, *Safety Standard for Refrigeration Systems*, be approved for publication public review.

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

It was moved by Jay Kohler and seconded by Gerald Kettler:

**6** That BSR/ASHRAE Addendum *L* to Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication public review.

**MOTION PASSED.** 10-0-2[[3]](#footnote-3) CNV

It was moved by Jay Kohler and seconded by Craig Wray:

**7** That BSR/ASHRAE Addendum *m* to Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication public review.

**MOTION PASSED.** 10-0-2[[4]](#footnote-4) CNV

It was moved by Jay Kohler and seconded by Jim Lutz:

**8** That BSR/ASHRAE Addendum *o* to Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication public review.

**MOTION PASSED.** 10-0-2[[5]](#footnote-5) CNV

It was moved by Jay Kohler and seconded by Craig Wray:

**9** That BSR/ASHRAE Addendum *w* to Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication public review.

**MOTION PASSED.** 10-0-2[[6]](#footnote-6) CNV

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

**10** That BSR/ASHRAE Standard 228P, *Standard Method of Evaluating Zero Net Energy and Zero Net Carbon Building Performance*, be approved for publication public review.

**MOTION PASSED.** 12-0-0 CNV

# Membership

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

**11** That revisions to the membership roster for SSPC 15, *Safety Standard for Refrigeration Systems*, as shown in [Attachment B](#AttB), be approved.

**MOTION PASSED.** 9-0-2[[7]](#footnote-7) CNV

It was moved by Craig Wray 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 B](#AttB), be approved.

**MOTION PASSED.** 10-0-1[[8]](#footnote-8) CNV

*Secretary’s note: An action item was assigned to Chip Barnaby to work with the chair of SSPC 34 to get the committee in balance as a safety standard.*

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 B](#AttB), be approved.

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

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

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

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

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

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

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

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

**16** That revisions to the membership roster for SSPC 188, *Legionellosis: Risk Management for Building Water Systems*, as shown in [Attachment B](#AttB), be approved.

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

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

**17** That revisions to the membership roster for SSPC 221, *Test Method to Field-Measure and Score the Cooling and Heating Performance of an Installed Unitary HVAC System*, as shown in [Attachment B](#AttB), be approved.

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

It was moved by Jerry Kettler and seconded by Craig Wray:

**18** That revisions to the membership roster for GPC 37, *Guidelines for the Application of Upper-Air (Upper Room) Ultraviolet Germicidal (UV-C) Devices to Control the Transmission of Airborne Pathogens*, as shown in [Attachment B](#AttB), be approved.

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

It was moved by Jerry Kettler and seconded by Craig Wray:

**19** That revisions to the membership roster SPC 35, *Method of Testing Refrigerant Driers and Desiccant Materials*, as amended and shown in [Attachment B](#AttB), be approved.

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

It was moved by Jerry Kettler and seconded by Craig Wray:

**20** That revisions to the membership roster for SSPC 52.2, *Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size*, as shown in [Attachment B](#AttB), be approved.

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

It was moved by Jay Kohler and seconded by Craig Wray:

**21** That revisions to the membership roster for GPC 44, *Protecting Building Occupants from Smoke During Wildfire and Prescribed Burn Events*, as shown in [Attachment B](#AttB), be approved.

**MOTION PASSED.** 11-0-0 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 B](#AttB), be approved.

**MOTION PASSED.** 11-0-0 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 B](#AttB), be approved.

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

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

**24** That revisions to the membership roster for SPC 196, *Method of Test for Measuring Refrigerant Leak Rates*, as shown in [Attachment B](#AttB), be approved.

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

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

**25** That revisions to the membership roster for SPC 205, *Representation of Performance Data For HVAC&R and Other Facility Equipment*, as shown in [Attachment B](#AttB), be approved.

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

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

**26** That revisions to the membership roster for SSPC 62.1, *Ventilation for Acceptable Indoor Air Quality*, as shown in [Attachment B](#AttB), be approved.

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

It was moved by Rusty Tharp 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 B](#AttB), be approved.

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

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

**28** That revisions to the membership roster for SPC 514, *Risk Management for Building Water Systems: Physical, Chemical and Microbial Hazards*, as shown in [Attachment B](#AttB), be approved.

**MOTION PASSED.** 10-0-1[[11]](#footnote-11) 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 B](#AttB), be approved.

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

It was moved by Justin Prosser and seconded by Jim Lutz:

**30** That revisions to the membership roster for SPC 220, *Method of Testing for Rating Small Commercial Blast Chillers, Chiller-Freezers, and Freezers*, as shown in [Attachment B](#AttB), be approved.

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

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

**31** That revisions to the membership roster for SSPC 55, *Thermal Environmental Conditions for Human Occupancy*, as shown in [Attachment B](#AttB), be approved.

**MOTION PASSED.** 10-0-1[[12]](#footnote-12) CNV

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

**32** That revisions to the membership roster for SPC 124, *Methods of Testing for Rating Combination Space-Heating and Water-Heating Appliances*, as shown in [Attachment B](#AttB), be approved.

**MOTION PASSED.** 10-0-1[[13]](#footnote-13) CNV

*An action item is assigned to Larry Schoen to work with the chair of SPC 124 to get the committee in balance.*

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

**33** That revisions to the membership roster for SPC 231*, CDL - A Control Description Language for Building Environmental Control Sequences*, as shown in [Attachment B](#AttB), be approved.

**MOTION PASSED.** 10-0-1[[14]](#footnote-14) 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 B](#AttB), be approved.

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

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

**35** That changes to the roster for SPC 198*, Method of Test for Rating DX-Dedicated Outdoor Air Systems for Moisture Removal Capacity and Moisture Removal Efficiency,* with Kevin Teakell changed to NVM, as shown in [Attachment B](#AttB), be approved.

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

It was moved by Rusty Tharp and seconded by Paul Lindahl:

**36** That changes to the roster for SPC 228*, Standard Method of Evaluating Zero Net Energy and Zero Net Carbon Building Performance,* as shown in [Attachment B](#AttB), be approved.

**MOTION PASSED.** 11-0-0 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[[15]](#footnote-15) 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[[16]](#footnote-16) 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[[17]](#footnote-17) 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 B](#AttA)



Attachment B



Attachment C



Attachment D



Attachment E



Attachment F



Attachment G



Attachment H



Attachment I



Attachment J



Attachment K



Attachment L



1. Jay Kohler and Rusty Tharp abstained because they are members of the SSPC. [↑](#footnote-ref-1)
2. Jay Kohler and Rusty Tharp abstained because they are members of the SSPC. [↑](#footnote-ref-2)
3. Gerry Kettler and Gwelen Palagia abstained because they are members of the SSPC. [↑](#footnote-ref-3)
4. Gerry Kettler and Gwelen Palagia abstained because they are members of the SSPC. [↑](#footnote-ref-4)
5. Gerry Kettler and Gwelen Palagia abstained because they are members of the SSPC. [↑](#footnote-ref-5)
6. Gerry Kettler and Gwelen Palagia abstained because they are members of the SSPC. [↑](#footnote-ref-6)
7. Jay Kohler and Rusty Tharp abstained because they are members of the SSPC. [↑](#footnote-ref-7)
8. Jay Kohler abstained because he is a recent past member of the SSPC. [↑](#footnote-ref-8)
9. Paul Lindahl and Justin Prosser abstained because they are members of the SSPC. [↑](#footnote-ref-9)
10. Paul Lindahl abstained because he is a member of the SSPC. [↑](#footnote-ref-10)
11. Paul Lindahl abstained because he is a member of the SPC. [↑](#footnote-ref-11)
12. Gwelen Palagia abstained because he is a member of the SSPC. [↑](#footnote-ref-12)
13. Jim Lutz abstained because he is a member of the SSPC. [↑](#footnote-ref-13)
14. Dave Robin abstained because he is a member of the SSPC. [↑](#footnote-ref-14)
15. Gwelen Palagia abstained because he is a member of the SSPC. [↑](#footnote-ref-15)
16. Gwelen Palagia abstained because he is a member of the SSPC. [↑](#footnote-ref-16)
17. Gwelen Palagia AND Larry Schoen abstained because they ae members of the SSPC. [↑](#footnote-ref-17)