

**Standards Project Liaison Subcommittee   
(SPLS)**

**MINUTES**

**ASHRAE Fall Meeting**

**October 12, 2021**

*Approved by SPLS January 10, 2022*

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**SPLS Action Items**

**As of October 12, 2021**

Updates noted in red

|  |  |  |  |
| --- | --- | --- | --- |
| **SPC 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 | Fick | Open |
| 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 | Lindahl | Open |
| 3 | An action item was assigned to Justin Prosser to work with the chair of SPC 150 to get the committee in balance | Prosser | Open |
| **SPC 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.  On today’s agenda - remains out of balance. | Schoen | Open |

**Standards Project Liaison Subcommittee   
Fall Meeting, October 12, 2021**

**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 October 12, 2021 at approximately 1:00 pm 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  Thomas Cappellin  Gerald Kettler  Jay Kohler  Paul Lindahl  Jim Lutz  Larry Markel  Margaret Mathison  Gwelen Paliaga  Justin Prosser  Dave Robin  Larry Schoen  Christian Taber  Rusty Tharp  Craig Wray | **Members Not Present**  Chip Barnaby  **Staff**  Connor Barbaree, *Sr. MOS*  Susan LeBlanc, *SA*  Tanisha Myers-Lisle, *PA*  Ryan Shanley, *MOS Int’l.*  **Guests**  John Bean  David Goldstein  Loren Ross |

1. **Minutes**

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

**1** That the SPLS Virtual Annual Meeting minutes be approved.

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

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

**2** That the SPLS September 14, 2021 meeting minutes be approved.

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

1. **Action Items**

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

# Proposed TPS Changes

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

**3** That proposed changes to the TPS for SSPC 90.1, *Energy Standard for Buildings Except Low-Rise Residential Buildings*, be approved as shown in [Attachment A](#AttA).

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

*Action item: An action item was assigned to Chip Barnaby to research why the 90.1-2019 published TPS does not align with the TechC approved TPS as shown on the ASHRAE website TPS page.*

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

**4** That proposed changes to the TPS for SSPC 90.2, *Energy Efficient Design of Low-Rise Residential Buildings*, be approved as shown in [Attachment B](#AttB).

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

**4A** That proposed changes to the TPS for SSPC 90.2, *Energy Efficient Design of Low-Rise Residential Buildings*, be postponed until the November 15, 2021 SPLS meeting.

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

*Secretary’s note: It was noted that a subsequent version of the proposed TPS changes has been drafted to incorporate comments provided by Craig Wray, which will be distributed to SPLS members prior to the next meeting.*

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

**5** That proposed changes to the TPS for Standard 185.2, *Method of Testing Ultraviolet Lamps for Use in HVAC&R Units or Air Ducts to Inactivate Microorganisms on Irradiated Surfaces*, be approved as shown in [Attachment C](#AttC).

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

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

**6** That proposed changes to the TPS for Standard 191, *Standard for the Efficient Use of Water in Building Mechanical Systems*, be approved as shown in [Attachment D](#AttD).

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

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

**7** That proposed changes to the TPS for Guideline 1.1, *HVAC&R Technical Requirements for the Commissioning Process*, be approved as shown in [Attachment E](#AttE).

**MOTION PASSED.** 12-0-2[[3]](#footnote-3) CNV

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

**8** That proposed changes to the TPS for Standard 230P, *Commissioning Process for Existing Systems and Assemblies*, be approved as shown in [Attachment F](#AttF).

**MOTION PASSED.** 12-0-2[[4]](#footnote-4) CNV

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

**9** That proposed changes to the editorially amended TPS for SPC 17, *Method of Testing Capacity of Thermostatic Refrigerant Expansion Valves*, be approved as shown in [Attachment G](#AttG).

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

# Public Review Drafts

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

**10** That BSR/ASHRAE Addendum *g* to ANSI/ASHRAE Standard 15-2019*, Safety Standard for Refrigeration Systems*, be approved for publication public review.

**MOTION PASSED.** 11-0-3[[5]](#footnote-5) CNV

# Membership

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

**11** That revisions to the membership roster for SSPC 34, *Designation and Safety Classification of Refrigerants*, as shown in [Attachment H](#AttH), be approved.

**MOTION PASSED.** 12-0-1[[6]](#footnote-6) CNV

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

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

**MOTION PASSED.** 11-0-2[[7]](#footnote-7) CNV

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

**13** That revisions to the membership roster for SSPC 135, *BACnet - A Data Communication Protocol for Building Automation and Control Networks*, as shown in [Attachment H](#AttH), be approved.

**MOTION PASSED.** 12-0-1[[8]](#footnote-8) CNV

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

**14** That revisions to the membership roster for SPC 40, *Methods of Testing for Rating Heat Operated Unitary Air-Conditioning and Heat-Pump Equipment*, as shown in [Attachment H](#AttH), be approved.

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

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

**15** That revisions to the membership roster for GPC 20, *Documenting HVAC&R Work Processes and Data Exchange*, as shown in [Attachment H](#AttH), be approved.

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

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

**16** That revisions to the membership roster for SPC 22, *Methods of Testing for Rating Liquid-Cooled Refrigerant Condensers*, as shown in [Attachment H](#AttH), be approved.

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

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

**17** That revisions to the membership roster for SPC 229, *Protocols for Evaluating Ruleset Implementation in Building Performance Modeling Software*, as shown in [Attachment H](#AttH), be approved.

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

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

**18** 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 H](#AttH), be approved.

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

*Action item: 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.*

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

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

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

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

**20** That revisions to the membership roster for SPC 222, *Standard Method of Test for Electrical Power Drive Systems*, as shown in [Attachment H](#AttH), be approved.

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

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

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

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

*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.*

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

**22** That revisions to the membership roster for SSPC 169, *Climatic Data for Building Design Standards*, as shown in [Attachment H](#AttH), be approved.

**MOTION PASSED.** 13-0-0 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 H](#AttH), be approved.

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

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

**24** That revisions to the membership roster for GPC 39, *Method of Test for Measuring Fractionated Compositions of Refrigerant Blends*, as shown in [Attachment H](#AttH), be approved.

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

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

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

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

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

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

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

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

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

**MOTION PASSED.** 12-0-1[[9]](#footnote-9) CNV

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

**28** That revisions to the membership roster for SSPC 145, *Test Method for Assessing the Performance of Gas-Phase Air Cleaning Equipment*, as corrected and shown in [Attachment H](#AttH), be approved.

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

*Secretary’s note: the current and proposed interest category for Matt Middlebrooks was incorrectly transposed on the ballot and was corrected.*

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

**29** That revisions to the membership roster for SSPC 154, *Ventilation for Commercial Cooking Operations*, as shown in [Attachment H](#AttH), be approved.

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

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

**30** That revisions to the membership roster for SGPC 13, *High Performance Sequences of Operation for HVAC Systems*, as shown in [Attachment H](#AttH), be approved.

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

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

**31** That revisions to the membership roster for SPC 173, *Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors*, as shown in [Attachment H](#AttH), be approved.

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

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

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

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

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

**33** That proposed interest categories for SPC 150, *Method of Testing the Performance of Cool Storage Systems*, as shown in [Attachment](#AttI) I, be approved.

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

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

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

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

*An action item was assigned to Justin Prosser to work with the chair of SPC 150 to get the committee in balance.*

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

**35** 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 H](#AttH), be approved.

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

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

**36** 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 H](#AttH), be approved.

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

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

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

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

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

**38** That revisions to the membership roster for SPC 130, *Laboratory Methods of Test for Air Terminal Units*, as shown in [Attachment H](#AttH), be approved.

**MOTION PASSED.** 12-0-1[[11]](#footnote-11) CNV

It was moved by Larry Schoen and seconded by Jim Lutz:

**39** That revisions to the membership roster for SSPC 127, *Method of Testing for Rating Air Conditioning Units Serving Data Center (DC) and other Information Technology Equipment (ITE) Spaces*, as shown in [Attachment H](#AttH), be approved.

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

**39A** That the motion to approve membership for SSPC 127 be amended to change the appointment of Jerry J. Yeh as PCVM- General to PCVM-Producer for a four-year term beginning October 20, 2021 and ending June 30, 2025, be approved.

**MOTION 8A TO AMEND PASSED.** 13-0-0 CNV

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

**39B** That the motion to approve membership for SSPC 127 be amended to approve a change of status for Gerardo Alfonso from PCVM-Producer to PCVM-General for the remainder of his current term ending June 30, 2024.

**MOTION 8B TO AMEND PASSED.** 8-5[[12]](#footnote-12)-0 CNV

**MOTION 8 AS AMENDED PASSED.** 13-0-0 CNV

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

**40** That revisions to the membership roster for SPC 227, *Passive Building Design Standard*, as shown in [Attachment H](#AttH), be approved.

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

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

**41** That revisions to the membership roster for GPC 6, *Refrigerant Information Recommended for product Development and Standards*, as shown in [Attachment H](#AttH), be approved.

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

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

**42** That changes to the rosters for the following committees as shown in [Attachment H](#AttH), be approved via consent agenda:

1. SGPC 36, *High Performance Sequences of Operation for HVAC Systems*
2. SSPC 147, *Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems*
3. SPC 231, *CDL - A Control Description Language for Building Environmental Control Sequences*
4. SSPC 300*, Commissioning*

**MOTION PASSED.** 8-0-4[[13]](#footnote-13) CNV

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

**43** That changes to the rosters for the following committees as shown in [Attachment H](#AttH), be approved via consent agenda:

1. SPC 16, *Method of Testing for Rating Room Air-Conditioners, Packaged Terminal Air Conditioners and Packaged Terminal Heat Pumps for Cooling and Heating Capacity*
2. SPC 228, *Standard Method of Evaluating Zero Net Energy and Zero Net Carbon Building Performance*

**MOTION PASSED.** 11-0-1[[14]](#footnote-14) CNV

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

**44** That changes to the rosters for the following committees as shown in [Attachment H](#AttH), be approved via consent agenda:

1. GPC 14, *Measurement of Energy, Demand and Water Savings*
2. SPC 209, *Energy Simulation Aided Design for Buildings Except Low-Rise Residential Buildings*

**MOTION PASSED.** 11-0-1[[15]](#footnote-15) CNV

# New Business

The discussion on International Standards will be moved to a future agenda due to time constraints.

# Next Meeting

• SPLS Call to approve 90.1 addenda, November 15, 2021

• ASHRAE Winter Conference Call, January 10, 2021

• ASHRAE Winter Meeting Las Vegas, February 1, 2022

# Adjournment

The conference call adjourned at approximately 4:15 PM ET.

# Attachments

[Attachment A](#AttA)



Attachment B



Attachment C



Attachment D



Attachment E



Attachment F



Attachment G



Attachment H



Attachment I



1. Larry Markel abstained because he did not attend the meeting. [↑](#footnote-ref-1)
2. SPLS unanimously opposed the proposed 191 TPS changes because they concurred with the general direction of the SPLS discussion and concerns expressed. Margaret Mathison stated, “I agree with the general direction of the discussion (that some of the terminology needs clarification). Larry Schoen stated, “Lack of clarity of terms and phrases used. Balance usually means TAB, mechanical is not synonymous with HVAC, process needs clarification, perhaps as commercial process, many more terms and phrases are unclear. If, as was stated during the SPLS meeting, the purpose is to achieve efficiency by tracking all the incoming domestic and gray water and reconciling it with end uses, we need a concise way to say this in the purpose.” Jay Kohler stated, “My reason for voting no is in line with concerns expressed by others on the call.” Larry Markel stated, “needs more precise definitions of terms.” Justin Prosser stated, “I voted NO to Standard 191P TPS proposed revision due to the lack of justification and inability to address questions from SPLS.” Gwelen Paliaga stated, “My reason for no vote is similar to the general discussion among the SPLS committee. Terminology needs to be refined to be less ambiguous.” Craig Wray stated, “I voted no on the motion, because the language appears to need clarification based on the many questions raised by SPLS members during discussion. Examples include the confusion about definition of balance and process.” [↑](#footnote-ref-2)
3. Gerald Kettler and Tom Cappellin abstained because they are members of the cognizant SSPC 300. [↑](#footnote-ref-3)
4. Gerald Kettler and Tom Cappellin abstained because they are members of the cognizant SSPC 300. [↑](#footnote-ref-4)
5. Jay Kohler and Rusty Tharp abstained because they are members of the SSPC. Larry Schoen abstained because he missed the discussion. [↑](#footnote-ref-5)
6. Jay Kohler abstained because he is a recent past member of the SSPC. [↑](#footnote-ref-6)
7. Paul Lindahl and Justin Prosser abstained because they are members of the SSPC. [↑](#footnote-ref-7)
8. Dave Robin abstained because he is a member of the SSPC. [↑](#footnote-ref-8)
9. Paul Lindahl abstained because he is a member of the SPC. [↑](#footnote-ref-9)
10. Larry Schoen abstained because he is a member of the SSPC. [↑](#footnote-ref-10)
11. Craig Wray abstained because he is a member of the SSPC. [↑](#footnote-ref-11)
12. Craig Wray, Larry Markel, Gwelen Paliaga, Larry Schoen, Jim Lutz voted no because they agreed with Craig Wray who stated, “I voted no on the motion, because a manufacturer's rep seems more aligned with the producer category.” [↑](#footnote-ref-12)
13. Larry Schoen and Gerald Kettler abstained because they are members of a committee on the consent agenda. Larry Schoen and Jim Lutz abstained because they did not want to approve a consent agenda without a review of the recommendations. [↑](#footnote-ref-13)
14. Larry Schoen abstained because he is opposed to consent agenda motions. [↑](#footnote-ref-14)
15. Larry Schoen abstained because he is opposed to consent agenda motions. [↑](#footnote-ref-15)