



**STANDARDS PROJECT LIAISON SUBCOMMITTEE
(SPLS)**

MINUTES

**ASHRAE Summer Meeting
June 21 & 25, 2024**

These are not the official minute until approved by SPLS

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SPLS Action Items

As of June 21, & 25, 2024

Updates noted in red.

SPLS ANNUAL MEETINGS JUNE, 2024			
AI#	Action Item	Assigned	Status
1	Justin Prosser to ask Emily Toto to put on agenda at PC chair breakfast a request for suggestions on Definition Writing	JP	Closed
2	Margaret Mathison to develop training materials for definition writing.	MM	Open
3	Jim Lutz to propose revisions to the ASHRAE Value Statement to SPLS then to Standards Committee	JL	Open
4	By winter Meeting, Todd McGrath will review with Mark Weber on membership queries related to SSPC 52.2.	TM	Open
5	SPLS to ask PPIS to consider including SPC 243 standard within the scope of ASHRAE 15.	JP	Open

**Standards Project Liaison Subcommittee
Summer Meeting, June 21 & 25, 2024
MINUTES**

These are not the official minutes until approved by SPLS

1. Introductions and Review of Agenda

The SPLS meeting was called to order on June 21 & 25, 2024, at approximately 2:00 pm ET. Chair Justin Prosser welcomed members and guests and reviewed the ASHRAE Code of Ethics. The following members, guests and staff were in attendance:

Members Present

Justin Prosser-*Chair*
Pat Graef
Jennifer Isenbeck
Phillip Johnson
Jay Kohler
Paul Lindhal
James Lutz
Margaret Mathison
Kathleen Owen
Douglas Tucker
Gwelen Paliaga
Dave Robin
Kenneth Monroe
Gerald Kettler
Abdel Kader Darwich
Larry Markel

Staff

Carl Jordan, *SAS*
Tanisha Meyers-Lisle, *AMOS*
Ryan Shanley, *Sr. Manager of Standards*
Emily Toto *Manager-Codes*
Stephanie Reiniche *Director of Technology*
Doug Fick, *Chair Standards Committee*

Guests

Richard Lord
Tom Kolp
Alim Shera
David Yuill
Hoy Bohannon

2. Minutes

It was moved by Kathleen Owen and seconded by Jim Lutz:

- 1 That the SPLS Spring Meeting Minutes be approved as shown in [Attachment A](#).

MOTION PASSED. 11-0-0, CV

3. Proposed TPS Changes

It was moved by Gwelen Paliaga and seconded by Paul Lindhal:

- 2 That proposed changes to the TPS for Standard 41.6-2021R, *Standard Methods for Humidity Measurement*, be approved as shown in [Attachment B](#).

MOTION PASSED. 14-0-1 CNV

Secretary's note: Margret Mathison abstained due to serving on committee.

It was moved by Jay Kohler and seconded by Margaret Mathison:

- 3 That proposed changes to the TPS for Standard 211-2018(RA2023), *Standard for Commercial Building Energy Audits and Decarbonization Assessments*, be approved as shown in [Attachment C](#).

MOTION PASSED. 9-4-2 CNV

Secretary's note: Gwelen Paliaga, Gerald Kettler, Phillip Johnson & Larry Markel voted negative. Larry Markel against because it's not a settled science and may get standards committee in trouble. Too large for expansion of this scope. Jim Lutz suggests rejecting their scope and suggest they come back with new TPS. Gwelen Paliaga is against - appendix is an informative TPS. Phillip Johnson is against for same reasons listed previously. Gerald Kettler needs more coordination prior to changing title. KM & JL abstained due to serving on committee.

It was moved by DT and seconded by Kathleen Owen:

- 4 That proposed changes to the TPS for GDL 1.2-2019, *Technical Requirements for the Commissioning Process for Existing HVAC&R Systems and Assemblies*, be approved as shown in [Attachment D](#).

MOTION PASSED. 13-0-2 CNV

Secretary's note: Gerald Kettler & Ken Monroe abstained due to serving on committee.

It was moved by Douglas Tucker and seconded by Kathleen Owen:

- 5 That proposed changes to the TPS for GDL 1.3-2018, *Building Operation and Maintenance Training for the HVAC&R Commissioning Process*, be approved as shown in [Attachment E](#).

MOTION PASSED. 13-0-2 CNV

Secretary's note: Gerald Kettler & Ken Monroe abstained due to serving on committee.

It was moved by Douglas Tucker and seconded by Kathleen Owen:

- 6 That proposed changes to the TPS for GDL 1.6P-2019, *Commissioning of Data Centers*, be approved as shown in [Attachment F](#).

MOTION PASSED. 13-0-2 CNV

Secretary's note: Gerald Kettler & Ken Monroe abstained due to serving on committee.

4. Public Review Drafts

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

- 7 That ANSI/ASHRAE/IES addendum *ab* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings*, be approved for publication public review.

MOTION PASSED. 10-0-1 CNV

Secretary's note: Paul Lindahl abstained due to serving on committee.

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

- 8 That ASHRAE/ASHE addendum *r* to ANSI/ASHRAE/ASHE Standard 170, *Ventilation of Health Care Facilities*, be approved for publication public review, be approved for publication public review.

MOTION PASSED. 10-0-1 CNV

Secretary's note: Ken Monroe abstained due to serving on committee

It was moved by Jay Kohler and seconded by Kathleen Owen:

- 9 That ASHRAE/ICC/USGBC/IES addendum *f* to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2023, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings* be approved for publication public review.

MOTION PASSED. 11-0-0 CNV

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

- 10 That ASHRAE Addendum *i* to ANSI/ASHRAE Standard 209-2018, *Energy Simulation Aided Design for Buildings Except Low-Rise Residential Buildings*, be approved for publication public review.

MOTION PASSED. 11-0-0 CNV

5. Membership

It was moved by Justin Prosser and seconded by Kathleen Owen

- 11 That revisions to the membership roster for SPC 204, *Method of Test for Rating Micro Combined Heat and Power Devices* as shown in, [Attachment G](#) be approved.

MOTION PASSED. 12-0-0 CNV

Secretary's note: Dave Robin arrived late to meeting. Voting counts may vary.

It was moved by Justin Prosser to approve items via consent agenda. Paul Lindahl requested removing SSPC 100 from the consent agenda. Gwelen seconded.

- 12 That revisions to the membership roster for SPC 40, *Methods of Testing for Rating Heat Operated Unitary Air-Conditioning and Heat-Pump Equipment*, SSPC 185.5, *Method of Testing HVAC-Duct Mounted Devices and Systems and In-Room Devices for Particle and Microorganism Removal or Inactivation in a Chamber with a Recirculating Duct System*, SSPC 170, *Ventilation of Health Care Facilities*, & SSPC 185, *Methods of Test to Inactivate Microorganisms in HVAC Systems with UV-C Lights* as shown in [Attachment G](#), be approved.

MOTION PASSED. 13-0-2 CNV

Secretary's note: Kathleen Owen, Ken Monroe abstain served on committee.

It was moved by Margaret Mathison and seconded by Kathleen Owen:

- 13 That revisions to the membership roster for *SSPC 100, Energy and Emissions Building Performance Standard for Existing Buildings* as shown in [Attachment G](#), be approved.

MOTION PASSED. 15-0-0 CNV

Secretary's note: Margaret Mathison began conversation with chair term ending. Doug Fick indicates interest changes will change the year and to please watch for this as a 5-year term automatically occurs versus a 4-year term. Per Doug, please indicate reason / rationale in your notes. Possibly a motion for waiver as an example. Doug asks, do we give an extension or wait until the year is about to end and see if there is cause to continue term. Succession plan or extension rationale. 1- or 2-year extension is to be considered. 2-year extension declared.

It was moved by Pat Graef and seconded by Kathleen Owen:

14 That revisions to the membership roster for SPC 24, *Methods of Testing for Rating Evaporators Used for Cooling Liquids*, SPC 25, *Methods of Testing Forced Convection and Natural Convection Air Coolers for Refrigeration*, & SGPC 14, *Measurement of Energy, Demand and Water Savings*, as shown in [Attachment G](#), be approved.

MOTION PASSED. 12-0-0 CNV

It was moved by Jennifer Isenbeck and seconded by Kathleen Owen:

15 That revisions to the membership roster for SGPC 36, *High Performance Sequences of Operation for HVAC Systems* as shown in [Attachment G](#), be approved.

MOTION PASSED. 11-0-1 CNV

Secretary's note: GP abstained; served on committee

It was moved by Jennifer Isenbeck and seconded by Kathleen Owen:

16 That revisions to the membership roster for SPC 218, *Method of Test for Lubricant and Refrigerant Miscibility Determination*, SSPC 90.1, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings*, SSPC 90.2, *Energy Efficient Design of Residential Buildings*, & 90.4, *Energy Standard for Data Centers* as shown in [Attachment G](#), be approved.

MOTION PASSED. 12-0-0 CNV

It was moved by Phillip Johnson and seconded by Margaret Mathison:

17 That revisions to the membership roster for SPC 198, *Method of Test for Rating DX-Dedicated Outdoor Air Systems for Moisture Removal Capacity and Moisture Removal Efficiency*, SPC 227, *Passive Building Design Standard*, SSPC 209, *Energy Simulation Aided Design for Buildings Except Low-Rise Residential Buildings* SSPC 228, *Standard Method of Evaluating Zero Net Energy and Zero Net Carbon Building Performance*, & SSPC 241, *Control of Infectious Aerosols* as shown in [Attachment G](#), be approved.

MOTION PASSED. 11-0-1 CNV

Secretary's note: Kathleen Owen abstained; served on committee

It was moved by Gerald Kettler and seconded by Margaret Mathison: to not have 52.2 as consent. GP, Review of SSPC 52.2 separately:

18 That revisions to the membership roster for SPC 37, *Methods of Testing for Rating Electrically Driven Unitary Air-Conditioning and Heat Pump*, SPC 229, & *Protocols for Evaluating Ruleset Application in Building Performance Equipment* as shown in [Attachment G](#) be approved.

MOTION PASSED. 15-0-0 CNV

It was moved by Gerald Kettler and seconded by Margaret Mathison:

19 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 G](#) be approved.

MOTION PASSED. 14-0-1 CNV

Secretary's note: Kathleen Owen abstained; served on committee Todd McGrath will converse with Mark Weber on membership questions related to 52.2

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

20 That revisions to the membership roster for SGPC 10, *Interactions Affecting the Achievement of Acceptable Indoor Environments*, SPC 243, *Safety Standard for Transportation Refrigerating Systems*, SSPC 72, *Method of Testing Open and Closed Commercial Refrigerators and Freezers*, SSPC 189.1, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, SSPC 189.3, *Design, Construction and Operation of Sustainable High-Performance Health Care Facilities*, & SSPC 211, *Standard for Commercial Building Energy Audits* as shown in [Attachment G](#) be approved.

MOTION PASSED. 12-0-0 CNV

It was moved by Paul Lindahl and seconded by Kathleen Owen:

21 That revisions to the membership roster for GPC 45, *Measurement of Whole Building Performance for Occupied Buildings except Low-Rise Residential Buildings*, for SGPC 41, *Design, Installation and Commissioning of Variable Refrigerant Flow Systems* (NO VOTE REQUIRED), SSPC 135, *BACnet - A Data Communication Protocol for Building Automation and Control Networks*, & SSPC 169, *Climatic Data for Building Design Standards* as shown in [Attachment G](#) be approved.

MOTION PASSED. 10-0-2 CNV

Secretary's note: Dave Robin & Jay Kohler abstained for cause

It was moved by Jim Lutz and seconded by Kathleen Owen:

22 That revisions to the membership roster for GPC 35, *Method for Determining the Energy Consumption Caused By Air-Cleaning and Filtration Devices*, SPC 16, *Method of Testing for Rating Room Air Conditioners, Packaged Terminal Air Conditioners and Packaged Terminal Heat Pumps for Cooling and Heating Capacity*, SPC 33, *Methods of Testing Forced-Circulation Air-Cooling and Air-Heating Coils*, SPC 128, *Method of Rating Portable Air Conditioners*, & SSPC 205, *Representation of Performance Data for HVAC&R and Other Facility Equipment* as shown in [Attachment G](#) be approved.

MOTION PASSED. 12-0-0 CNV

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

23 That revisions to the membership roster for GPC 39, *Method of Test for Measuring Fractionated Compositions of Refrigerant Blends* (NO VOTE REQUIRED), SSPC 62.1, *Ventilation and Acceptable Indoor Air Quality*, & SSPC 62.2, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings* as shown in [Attachment G](#) be approved.

MOTION PASSED. 15-0-0 CNV

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

24 That revisions to the membership roster for SSPC 140, *Method of Test for Evaluating Building Performance Simulation Software*, SSPC 145, *Test Method for Assessing the Performance of Gas-Phase Air Cleaning Equipment*, SSPC 154, *Ventilation for Commercial Cooking Operations* & SSPC 160, *Criteria for Moisture-Control Design Analysis in Buildings* as shown in [Attachment G](#) be approved.

It was moved by Ken Monroe and seconded by Margaret Mathison:

25 That revisions to the membership roster for SPC 150, *Method of Testing the Performance of Cool Storage Systems*, SPC 242, *Standard Method for Calculation of Building Operational Greenhouse Gas*, & SSPC 221, *Test Method to Field-Measure and Score the Cooling and Heating Performance of an Installed Unitary HVAC System* as shown in [Attachment G](#) be approved.

MOTION PASSED. 12-0-0 CNV

It was moved by Kathleen Owen and seconded by Ken Monroe:

26 That revisions to the membership roster for GPC 47, *Design, Installation and Commissioning of Central Domestic Electric Heat Pump Hot Water Systems in New Multifamily Buildings*, SPC 130, *Laboratory Methods of Test for Air Terminal Units*, SSPC 15, *Safety Standard for Refrigeration Systems*, SSPC 34, *Designation and Safety Classification of Refrigerants*, & 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 G](#) be approved.

MOTION PASSED. 11-0-1 CNV

Secretary's note: Phillip Johnson abstained as member of committee

It was moved by Gwelen Paliaga and seconded by Jennifer Isenbeck:

27 That revisions to the membership roster for SGPC 13, *Specifying Building Automation Systems*, SSPC 41, *Standard Methods of Measurement*, & SSPC 161, *Air Quality Within Commercial Aircraft* as shown in [Attachment G](#) be approved.

MOTION PASSED. 11-0-1 CNV

Secretary's note: Margaret Mathison abstained as member of committee

It was moved by Dave Robin and seconded by Kathleen Owen:

28 That revisions to the membership roster for GPC 4, *Preparation of Operating and Maintenance Documentation for HVAC&R Systems*, GPC 6, *Refrigerant Information Recommended for Product Development and Standards (DISCONTINUANCE)*, GPC 23, *Guideline for the Design and Application of Heating, Ventilation and Air Conditioning Equipment for Rail Passenger Vehicles*, SPC 28, *Method of Testing Flow Capacity of Refrigerant Capillary Tube*, & SSPC 55 *Thermal Environmental Conditions for Human Occupancy* as shown in [Attachment G](#), be approved.

MOTION PASSED. 12-0-0 CNV

Secretary's note: GPC 6 plans to submit a membership application for review in the SPLS fall meeting.

It was moved by Doug Tucker and seconded by Margaret Mathison:

29 That revisions to the membership roster for SPC 110, *Method of Testing Performance of Laboratory Fume Hoods (NO VOTE REQUIRED)*, SPC 231, *CDL - A Control Description Language for Building Environmental Control Sequences*, & SSPC 300, *Commissioning* as shown in [Attachment G](#) be approved.

MOTION PASSED. 12-0-0 CNV

6. Continuous Maintenance

1. It is recommended that SPC 232P, Common Content and Specifications for Building Data Schemas be approved for continuous maintenance upon publication and the formation of a standing standard project committee (SSPC 232).

2. Background: As the standard is aimed at software schema development, it will need to adapt and change quickly as new protocols are created in the software sphere. This will not be practical on a 5-year revision schedule so continuous maintenance is more practical. SPC 232 voted 9-0-0-0, CNV to approve this recommendation.

7. New Business

1. TC 1.6 Definition Training: Margaret Mathison requested support for committees on definition writing. Members agreed to suggest training at the PC chair breakfast. ACTION ITEMS #1 & #2.
2. ASHRAE value statement review: Jim Lutz proposed to reconsider the ASHRAE value statement language. Members agreed to consider these revisions. ACTION ITEM #3
3. ASHRAE 90.1 scope related to EV charging infrastructure requirements: Richard Lord, Alim Shera and Tom Kolb (SSPC 90.1 committee members) reviewed the current scope of ASHRAE 90.1 to determine if it sufficiently incorporates potential requirements for EV charging on the building site. SPLS advised SSPC 90.1 with the following options:
 - Submit an interpretation request
 - Modify the 'process application' definition
 - Modify the ASHRAE 90.1 TPS to clearly include provisions for EV charging stations

8. Liaison Reports

Members reviewed the following committee pain points and those that may need to be disbanded:

- Pain points
 - SSPC 15 & Subcommittee 15.2 – may want to split
 - SSPC 191 – slow progress
 - SPC 218 – no workplan
- Consider disbanding:
 - SPC 28 – slow / no progress
 - GPC 46 – chair resigned with no one willing to step into role
 - SPC 78 – inactive
 - SPC 97 – inactive
 - SPC 111 – inactive
 - SPC 128 – chair inactive
 - SPC 173 – inactive, may need a new chair
 - SPC 193 – chair inactive
 - SPC 210 – no chair, and inactive

9. Next Meeting/Closing Items

Next Meetings:

- Fall Meeting | **Date/Time TBD**
- ASHRAE Annual Winter Conference Orlando Florida 2025

Hilton Orlando

Headquarter Hotel | 6001 Destination Parkway, Orlando, FL 32819

February 8, 2025 – February 12, 2025

10. Adjournment

The SPLS meeting adjourned at 5:55p EDT.

The SPLS meeting adjourned at 6:00p EST

11. Attachments

[Attachment A](#)



SPLS Meeting
Minutes_SPRING_ Ma

[Attachment B](#)



Proposed-Changes-
to the 41.6-2021R TF

[Attachment C](#)



Proposed-Changes-
to-an-Approved-TPS

[Attachment D](#)



240610 SSPC 300
GLD 1.2 proposed-cl

[Attachment E](#)



240610 SSPC 300
GLD 1.3 proposed-cl

[Attachment F](#)



240610 SSPC 300
GLD 1.6 proposed-cl

[Attachment G](#)



Summer Liaison
Membership Ballot_