

**Standards Project Liaison Subcommittee   
(SPLS)**

MINUTES

**Orlando Winter Meeting**

**Orlando Hilton**

**January 23 and 27, 2016**

*Approved by SPLS June 24, 2016*

TABLE OF CONTENTS

[1. Call to Order/Chair’s Report/Introductions 3](#_Toc444697441)

[2. Approval of Minutes 3](#_Toc444697442)

[3. Public Review Drafts 3](#_Toc444697443)

[4. Standards Achievement Award – Executive Session 4](#_Toc444697444)

[5. Proposed TPS Changes 5](#_Toc444697445)

[6. Membership Roster Changes 5](#_Toc444697446)

[7. New Business 9](#_Toc444697447)

[8. Recess 10](#_Toc444697448)

[9. Call to Order 10](#_Toc444697449)

[10. Public Review Drafts 11](#_Toc444697450)

[11. Proposed TPS Changes 11](#_Toc444697451)

[12. Work Plans 11](#_Toc444697452)

[13. Ongoing Business 12](#_Toc444697453)

[14. Review of Action Items 12](#_Toc444697454)

[15. Liaison Reports 12](#_Toc444697455)

[16. Next Meetings 13](#_Toc444697456)

[17. Adjournment 13](#_Toc444697457)

**SPLS** **Action Items**

**As of January 26, 2016**

Updates noted in red

|  |  |  |  |
| --- | --- | --- | --- |
| Orlando, January 2016 | | | |
| **AI#** | **Action** | **Assigned To** | **Status** |
| 1 | Staff to get list of previous SA winners and find out where other award winners are posted Hightower Award. | LeBlanc | Open |
| 2 | Julie Ferguson to work with Chair of SPC 208 to get a full PC. | Ferguson | Open |
| 3 | John Dunlap to find a Chair for SSPC 161 and talk to Chair of TC 9.3, and talk to EHC. | Dunlap | Open |
| 4 | Jack Zarour to contact the Chair of GPC 39 to get project status. | Zarour | Open |
| Tech Weekend, October 2015 | | | |
| **AI#** | **Action** | **Assigned To** | **Status** |
| 1 | An action item was assigned to John Dunlap and Mark Modera to request SSPC 55 members indicate if they are members of CBE and then to create a small group to discuss if changes to the SSPC membership is necessary prior to the January meeting.  Mark agreed to talk to Doug Reindl about closing out this issue. Ongoing | Dunlap and Modera | Open |
| 2 | An action item was assigned to Jim Earley to work with the Chair of SPC 28 to get the committee in balance. New PC working with Chair. | Earley | Open |
| 3 | An action item was assigned to Jim Earley to work with the Chair of SPC 182 to get a full and balanced committee. New PC working with Chair. need to get paperwork for final member needed | Earley | Open |
| 4 | Action item for Jack Zarour to work with the proposed Chair get PC to get Chair’s Recommendation Form submitted for PC membership. Staff added | Zarour | Open |
| Atlanta June 2015 | | | |
| **AI#** | **Action** | **Assigned To** | **Status** |
| 3 | Action item to Waller Clements to work with the Chair of SPC 146 to get a full committee. Leave open voted in today | Robin | Closed |
| 5 | Action item for Jim Earley to work with the Chair of SPC 28 to get the committee in balance. Addressed above | Earley | Closed |
| 6 | Action item for Jim Earley to work with the Chair of SPC 182 to get a full committee. Addressed above | Earley | Closed |
| 7 | Heather Platt to work with the Chair of SPC 218 to get the committee in balance. Not here may be closed check roster | Platt | Closed |
| **Chicago January 2015** | | | |
| **AI#** | **Action** | **Assigned To** | **Status** |
| 1a | Wayne Stoppelmoor to work with the Chair of SPC 37 to complete merger with SPC 116 (staff added).  Open will talk with Chair about getting official paperwork for SPC 116 member transfers to SPC 37. Chair waiting for one more member to complete paperwork, Get on June agenda. | Stoppelmoor | Open |
| [6](#a6) | Peter Simmonds to work with the Chair of SPC 25 to approve an unbalance committee  Still open | Simmonds | Open |
| [10](#a10) | Action item #9: Jim Earley to work with the Chair of SPC 103 to get the committee in balance.  Done as of June | Earley | Closed |
| **New York January 2014** | | | |
| **AI#** | **Action** | **Assigned To** | **Status** |
| [7](#AI7) | An action item was assigned to Stephanie Reiniche to see about getting Standards 96 and 93 content into ISO Standard 9806 so that SPC 96 can be disbanded and Standard 96 can be withdrawn along with Standard 93.  Waiting for TC recommendation keep open | Reiniche / Platt | Open |

# Call to Order/Chair’s Report/Introductions

## 

## Call to Order/Chair’s Report

The Standards Project Liaison Subcommittee (SPLS) meeting was called to order at 2:00 p.m. on Friday, January 22, 2016 in the Lake Nona A room of the Orlando Hilton.

## Introductions

Chair Mark Modera welcomed members and guests. The following members, guests and staff were in attendance:

|  |  |
| --- | --- |
| **Members Present**  Mark P. Modera  Donald M. Brundage  John A. Clark  John F. Dunlap  James W. Earley, Jr.  Keith I. Emerson  Julie M. Ferguson  Roger L. Hedrick  Srinivas Katipamula  Lawrence C. Markel  Heather Platt  David Robin  Peter Simmonds  Wayne H. Stoppelmoor, Jr.  Jack H. Zarour | **Members not Present** Peter Simmonds  **Staff Present**  Susan LeBlanc*, Standards Administrator*  **Guests**  Lilas Pratt, ASHRAE  Doug Reindl  Michael Woodford, AHRI |

# Approval of Minutes

It was moved by Wayne Stoppelmoor and seconded by Don Brundage:

**1** That the SPLS Tech Weekend 2015 and November 17, 2015 conference call minutes be approved by consent agenda.

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

# Public Review Drafts

It was moved by roger Hedrick and seconded by Wayne Stoppelmoor:

**2** That agenda items 5a and 5b, as shown below, be approved by consent agenda for publication public review.

1. BSR/ASHRAE Addendum *y* to ANSI/ASHRAE Standard 34-2013, Designation and Safety *Classification of Refrigerants*
2. BSR/ASHRAE Addendum *z* to ANSI/ASHRAE Standard 34-2013, Designation and Safety *Classification of Refrigerants*

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

It was moved by roger Hedrick and seconded by Jim Earley:

**3** That BSR/ASHRAE Addendum *aa* to ANSI/ASHRAE Standard 34-2013, Designation and Safety *Classification of Refrigerants*, be approved for publication public review.

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

It was moved by Keith Emerson and seconded by John Clark:

**4** That BSR/ASHRAE Standard 90.4P, *Energy Standard for Data Centers*, be approved for publication public review.

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

It was moved by Larry Markel and seconded by Heather Platt:

**5** That BSR/ASHRAE/USGBC/IES Addendum *m* to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, *Standard for the Design of High-Performance Green Buildings*, be approved for publication public review.

**MOTION PASSED. 11-0-2[[1]](#footnote-2) CNV**

It was moved by Larry Markel and seconded by Julie Ferguson:

**6** That BSR/ASHRAE/USGBC/IES Addendum *l* to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, *Standard for the Design of High-Performance Green Buildings*, be approved for publication public review.

**MOTION PASSED. 11-0-2[[2]](#footnote-3) CNV**

# Standards Achievement Award – Executive Session

Chair Modera called Executive Session to discuss the Standards Achievement Award nominees.

It was moved and seconded:

**7** That Jerry Sipes be awarded the Standards Achievement Award.

**MOTION PASSED.**

*Action item # 1: Staff to get list of previous SA winners and find out where other award winners are posted Hightower Award*

# Proposed TPS Changes

It was moved by Heather Platt and seconded by Larry Markel:

**8** That the proposed TPS for SPC 99, *Refrigeration Oil Description,* be approved as shown in [Attachment A](#B).

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

It was moved by Wayne Stoppelmoor and seconded by Julie Ferguson:

**9** That the motion adopted at the October 6, 2015 meeting to approve proposed changes to the TPS for SPC 210, *Method of Testing for Rating Commercial Walk-in Refrigerators and Freezers*, be rescinded.

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

It was moved by Wayne Stoppelmoor and seconded by Julie Ferguson:

**10** That proposed changes to the TPS for SPC 210, *Method of Testing for Rating Commercial Walk-in Refrigerators and Freezers*, be approved as shown in [Attachment B](#B).

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

It was moved by Larry Markel and seconded by Julie Ferguson:

**11** That the proposed TPS for GPC 12*, Minimizing the Risk of Legionellosis Associated With Building Water Systems*,be approved as presented.

It was moved by Larry Markel and seconded by Heather Platt:

**11A** That the motion to approve proposed TPS changes for GPC 12 be withdrawn to allow GPC 12 to consider additional TPS changes as suggested by SPLS.

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

# Membership Roster Changes

It was moved by Don Brundage and seconded by Jim Earley:

**12** That revisions to the membership rosters for agenda items 9b, c and d as shown below and in [Attachment C](#C), be approved by consent agenda:

1. GPC 32, *Sustainable, High-Performance Operations and Maintenance*
2. SSPC 147, *Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems*
3. SSPC 202, *Commissioning Process for Buildings and Systems*

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

It was moved by John Clark and seconded by Julie Ferguson:

**13** That revisions to the membership roster for SSPC 205, *Standard Representation of Performance Simulation Data for HVAC&R and Other Facility Equipment,* as shown in [Attachment C](#C), be approved.

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

It was moved by John Dunlap and seconded by Julie Ferguson:

**14** That revisions to the membership roster for SSPC 41, *Standard Methods of Measurement,* as shown in [Attachment C](#C), be approved.

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

It was moved by John Dunlap and seconded by John Clark:

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

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

It was moved by John Dunlap and seconded by John Clark:

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

It was moved by John Dunlap and seconded by Jim Earley:

**16A** That roster item 2 as shown below be removed and addressed at an appropriate future date.

1. Current Member Term Extension for Hamid Habibi, Vice Chair and PCVM-Designer/Builder and Chair of the Administration Subcommittee from June 30, 2018 to June 30, 2019 .

**MOTION PASSED. 12-0-1[[3]](#footnote-4) CNV**

**MOTION AS AMENDED PASSED. 12-0-1[[4]](#footnote-5) CNV**

It was moved by Keith Emerson and seconded by Srinivas Katipamula:

**17** That revisions to the membership roster for SSPC 160, *Thermal Criteria for Moisture-Control Design Analysis in Buildings,* as shown in [Attachment C](#C), be approved.

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

It was moved by Julie Ferguson and seconded by Heather Platt:

**18** That revisions to the membership rosters for agenda items 8i, j and k as shown below and in [Attachment C](#C), be approved by consent agenda:

1. GPC 22, *Instrumentation for Monitoring Central Chilled-Water Plant*
2. SPC 214, *Standard for Measuring and Expressing Building Energy Performance in a Rating Program*
3. SPC 219, *Method of Testing the Ability of Liquid Line Filter Driers or Adsorbents to Remove Organic and Inorganic Acid*

**MOTION PASSED. 12-0-1[[5]](#footnote-6) CNV**

*Action item #2: Julie Ferguson to work with Chair of SPC 208 to get a full PC.*

It was moved by Roger Hedrick and seconded by Jim Earley:

**19** That revisions to the membership rosters for agenda items 8i, j and k as shown below and in [Attachment C](#C), be approved by consent agenda:

1. SSPC 15, *Safety Standard for Refrigeration Systems*
2. SSPC 135, *BACnet - A Data Communication Protocol for Building Automation and Control Networks*

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

It was moved by Roger Hedrick and seconded by Julie Ferguson:

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

**MOTION PASSED. 10-0-3[[6]](#footnote-7) CNV**

It was moved by Srinivas Katipamula and seconded by Julie Ferguson:

**21** 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 C](#C), be approved.

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

It was moved by Larry Markel and seconded by Julie Ferguson:

**22** That revisions to the membership rosters for agenda items 8p and q as shown below and in [Attachment C](#C), be approved by consent agenda:

1. SSPC 52.2, *Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size*
2. SSPC 169, *Climatic Data for Building Design Standards*

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

It was moved by Larry Markel and seconded by Julie Ferguson:

**23** 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 C](#C), be approved.

**MOTION PASSED. 11-0-2[[7]](#footnote-8) CNV**

It was moved by Heather Platt and seconded by Julie Ferguson:

**24** That revisions to the membership roster for SPC 211, *Standard for Commercial Building Energy* *Audits,* as shown in [Attachment C](#C), be approved.

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

It was moved by Dave Robin and seconded by Julie Ferguson:

**25** That revisions to the membership rosters for agenda items 8t and u as shown below and in [Attachment C](#C), be approved by consent agenda:

1. SPC 146, *Methods of Testing and Rating Pool Heaters*
2. SSPC 185, *Methods of Test to Inactivate Microorganisms in HVAC Systems with   
   UV-C Lights*

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

It was moved by Wayne Stoppelmoor and seconded by Julie Ferguson:

**26** That revisions to the membership rosters for agenda items 8v and w as shown below and in [Attachment C](#C), be approved by consent agenda:

1. SPC 23.1*, Methods of Testing for Rating the Performance of Positive Displacement Refrigerant Compressors and Condensing Units that Operate and Subcritical Temperatures of the Refrigerant*
2. SPC 215, *Method of Test to Determine Leakage Airflows and Fractional Leakage of Operating Air-Handling Systems*

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

It was moved by Jack Zarour and seconded by Srinivas Katipamula:

**27** That revisions to the membership rosters for agenda items 8v and w as shown below and in [Attachment C](#C), be approved by consent agenda:

1. SPC 128, *Method of Rating Portable Air Conditioners*
2. SPC 194, *Method of Test for Direct-Expansion Ground-Source Heat Pumps*
3. SPC 207, *Laboratory Method of Test of Fault Detection and Diagnostics Applied Commercial Air-Cooled Packaged Systems*

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

# New Business

**EXECUTIVE SESSION**

The following motions were made in executive session:

It was moved and seconded:

**28** That NORESCO be approved as the contractor for the Standard 62.1-2016 User’s Manual.

**MOTION PASSED.**

It was moved and seconded:

**29** That RJ Karg & Associates be approved as the contractor for the Standard 62.2-2016 User’s Manual.

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

**END OF EXECUTIVE SESSION**

It was moved by Roger Hedrick and seconded by Julie Ferguson:

**30** That a User’s Manual for ANSI/ASHRAE/IES Standard 90.1-2016 be approved and that ASHRAE commit a maximum of $80,000 in ASHRAE funding.

**MOTION PASSED. 9-0-4[[8]](#footnote-9) CNV**

It was moved by Roger Hedrick and seconded by Julie Ferguson:

**31** That a Proposal Evaluation Subcommittee (PES) / Project Monitoring Subcommittee (PMS) consisting of the following TC 7.6, SSPC 90.1 and USGBC members for the ANSI/ASHRAE/IES Standard 90.1-2016 User’s Manual, be approved:

* 1. Richard Lord PMS Chair and ExCom Representative
  2. Steve Taylor, Mechanical Committee Representative
  3. Emily Smith, Mechanical Committee Representative
  4. Benjamin Meyer, Envelope Committee Representative
  5. Jason Wilen, Envelope Committee Representative
  6. Rahul Athalye, Envelope Committee Representative
  7. Krishnan Gowri, ECB Committee Representative
  8. Rahul A Athalye, ECB Committee Representative
  9. Kelly Seeger, Lighting Committee Representative
  10. Richard Heinisch, Lighting Committee Representative

**MOTION PASSED. 9-0-4[[9]](#footnote-10) CNV**

It was moved by John Dunlap and seconded by Jim Earley:

**32** That a waiver of the mandatory language requirement be granted for the next published edition of Standard 161, *Air Quality Within Commercial Aircraft*.

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

1. **Recess**

The meeting recessed at approximately 6:00 pm ET.

1. **Call to Order**

**Call to Order/Chair’s Report**

The Standards Project Liaison Subcommittee (SPLS) meeting reconvened on Tuesday, January 30, 2016 at 2:00 p.m. ET in the Lake Louise B room of the Orlando Hilton.

**Introductions**

Chair Mark Modera greeted members and guests. The following members and guests were in attendance:

|  |  |
| --- | --- |
| Members Present Mark P. Modera  Donald M. Brundage  John A. Clark  John F. Dunlap  James W. Earley, Jr.  Keith I. Emerson  Julie M. Ferguson  Roger L. Hedrick  Srinivas Katipamula  Lawrence C. Markel  Heather Platt  David Robin  Peter Simmonds  Wayne H. Stoppelmoor, Jr.  Jack H. Zarour | **Members not Present**   Staff Present Susan LeBlanc*, Standards Administrator*  **Guests** |

1. **Public Review Drafts**

It was moved by Roger Hedrick and seconded by Julie Ferguson:

**33** That BSR/ASHRAE Addendum *b* to ANSI/ASHRAE Standard 15-2013, *Safety Standard for Refrigeration Systems*, be approved for publication public review.

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

It was moved by Roger Hedrick and seconded by Don Brundage:

**34** That BSR/ASHRAE Addendum *e* to ANSI/ASHRAE Standard 15-2013, *Safety Standard for Refrigeration Systems*, be approved for publication public review.

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

1. **Proposed TPS Changes**

It was moved by Larry Markel and seconded by Heather Platt:

**45** That proposed changes to the TPS for GPC 12, *Minimizing the Risk of Legionellosis Associated With Building Water Systems,* be approved as presented in [Attachment D](#D).

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

# Work Plans

It was moved by Heather Platt and seconded by Wayne Stoppelmoor:

**36** That the work plan for SPC 78, *Method of Testing Flow Capacity of Suction Line Filters and Filter Driers,* be approved as presented.

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

It was moved by Keith Emerson and seconded by Wayne Stoppelmoor:

**37** That the work plan for SSPC 100, *Energy Efficiency in Existing Buildings,* be approved as presented.

**MOTION PASSED. 13-0-1[[10]](#footnote-11), CNV**

# Ongoing Business

It was moved by Julie Ferguson and seconded by Heather Platt:

**38** That SPC 199, *Method of Testing the Performance of Industrial Pulse Cleaned Dust Collectors*, be allowed to continue as an SPC for a one year extension following publication.

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

# Review of Action Items

The [Action Items](#SPLS_Action_Items) from previous meetings were reviewed and updated.

# Liaison Reports

SPLS reviewed liaison reports. The reports are linked to each member’s name below and can be found as inserted files at the end of these minutes as Attachments E – N.

[Donald Brundage](#E)

[John Clark](#F)

[John Dunlap](#G)

James Earley

[Keith Emerson](#H)

[Julie Ferguson](#I)

Roger Hedrick

[Srinivas Katipamula](#J)

[Larry Markel](#K)

[Heather Platt](#L)

Dave Robin

[Peter Simmonds](#M)

[Wayne Stoppelmoor](#N)

Jack Zarour

*Action item #3: Action item to John Dunlap to find a Chair for SSPC 161 talk to Chair of TC 9.3, also talk to EHC.*

*Action item #4: Jack Zarour to contact the Chair of GPC 39 to get project status.*

1. **Next Meetings**

* SPLS Spring Conference Call, TBD

1. **Adjournment**

The SPLS meeting adjourned at approximately 4:30 pm ET.

| **ATTACHMENT LIST** | |
| --- | --- |
| A |  |
| B |  |
| C |  |
| D |  |
| E |  |
| F |  |
| G |  |
| H |  |
| I |  |
| J |  |
| K |  |
| L |  |
| M |  |
| N |  |

1. Wayne Stoppelmoor and Roger Hedrick abstained because are members of the SSPC. [↑](#footnote-ref-2)
2. Wayne Stoppelmoor and Roger Hedrick abstained because are members of the SSPC. [↑](#footnote-ref-3)
3. Roger Hedrick abstained because he is a member of the SSPC. [↑](#footnote-ref-4)
4. Roger Hedrick abstained because he is a member of the SSPC. [↑](#footnote-ref-5)
5. Wayne Stoppelmoor abstained because he is a member of SPC 214. [↑](#footnote-ref-6)
6. Don Brundage, John Dunlap and Wayne Stoppelmoor abstained because they are members of the SSPC. [↑](#footnote-ref-7)
7. Roger Hedrick and Wayne Stoppelmoor abstained because they are members of the SSPC. [↑](#footnote-ref-8)
8. Don Brundage, John Dunlap and Wayne Stoppelmoor abstained because they are members of the SSPC. Roger Hedrick abstained because he is one of the bidders. [↑](#footnote-ref-9)
9. Don Brundage, John Dunlap and Wayne Stoppelmoor abstained because they are members of the SSPC. Roger Hedrick abstained because he is one of the bidders. [↑](#footnote-ref-10)
10. Wayne Stoppelmoor abstained because he is a member of the SPC. [↑](#footnote-ref-11)