

**STANDARDS COMMITTEE**

**MINUTES**

**ASHRAE Winter Meeting, Orlando**

**February 1 and 5, 2020**

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**Standards Committee Action Items**

**As of February 4, 2020**

**Updated Items Noted in Red**

|  |  |  |  |
| --- | --- | --- | --- |
| **January Orlando Winter Meeting** | | | |
| **AI#** | **Action Item** | **Assigned** | **Status** |
| 1 | An action item was assigned to PPIS (lead) along with CIS and ILS/ISAS to take a longer look at globalization in all relevant documents PASA and other procedures. | PPIS and CIS | Open |
| 2 | StdC to form an Ad Hoc Committee, chaired by Wayne Stoppelmoor, to review the issues related to addendum 62.2a and determine if SSPC 62.2 made sufficient efforts to resolve objections and if the technical issues were afforded due process by the April StdC meeting. | StdC | Open |
| **June 2019 Kansas City Annual Meeting** | | | |
| **AI#** | **Action Item** | **Assigned** | **Status** |
| 1 | An action item was assigned to the SSPC 90.1, 90.2 and 189.1 committees to recommend liaisons from each committee to the new 227P SPC. 189.1 liaison added August 2019  2/1 – ongoing for 90.1 and 90.2 Steve Ferguson to follow up | PC Liaisons & Staff | Open |
| **January 2019 Atlanta Winter Meeting** | | | |
| **AI#** | **Action Item** | **Assigned** | **Status** |
| 1 | SPLS to ensure there is a liaison from SSPC 188 on the new project committee developing the proposed standard, *Prevention of Disease and Injury Associated with Building Water Systems,* to ensure clear and frequent communication occurs between SSPC 188 for what will be ASHRAE/NSF 514.  closed | SPLS | Closed |
| 2 | SPLS to review the ASHRAE/NSF 514 draft publication for duplication and harmonization prior to approval for public review. SPLS to send the draft back to the consensus body to resolve any procedural concerns that are identified.  Ongoing | SPLS | Open |
| **September 14, 2018 Fall Meeting** | | | |
| **AI#** | **Action Item** | **Assigned** | **Status** |
| 1 | An action item was assigned to SSPC 300 modify Standard 202 TPS to clearly identify that retro-commissioning of existing buildings is outside the scope of the standard.  In progress TPS review today | SSPC 300 | Closed |
| 2 | An action item was assigned to SPLS to not approve a first public review of standard 230 [Commissioning Process for Existing Systems and Assemblies] if a revised Standard 202 TPS has not yet been approved for public review by the ASHRAE Board of Directors or its designee.  TPS review today Closed | SPLS | Closed |
| **June 2018 Houston Annual Meeting** | | | |
| **AI#** | **Action Item** | **Assigned** | **Status** |
| 3 | Staff to work with ANSI ISO Staff and SSPC 34 to develop a way to have one standard similar to the process used by SSPC 135.  Ongoing | Staff | Open |

# 1. Call to Order and Introductions

The Standards Committee Winter Meeting was called to order on February 1, 2020 at 8:00 AM ET in the

Lake Sheen room of the Hilton Orlando.

**Introductions**

Members of the committee, staff and guests were greeted. The attendees were as follows:

|  |  |
| --- | --- |
| **Members Present**  Wayne Stoppelmoor, Chair  Dru Crawley, VC  Els Baert\*  Charles Barnaby  Robert Burkhead  Thomas Cappellin  Douglas Fick  Michael Gallagher  Walter Grondzik  Susanna Hanson  Rick Heiden  Jonathan Humble  Srinivas Katipamula\*  Essam Khalil  Larry Kouma  Cesar Lim  Karl Peterman  Erick Phelps  Lawrence Schoen  Steven Sill  Richard Swierczyna  Rusty Tharp  Adrienne Thomle  Christian Taber\*  Michael Woodford  Theresa Weston  Craig Wray  Dennis Knight, CO\*  Jaap Hogeling, XO | **Members Not Present**  Kwang Woo Kim  **Staff Present**  Steve Ferguson, *Sr. MOS*  Susan LeBlanc, *SA*  Tanisha Meyers-Lisle, *PA*  **Guests Present**  Shannon Corcoran\*  Don Denton\*  David Delaquila  Paul Francisco\*  Rick Hermans\*  Darren Meyers\*  Andrea Papageorge\*  Danielle Passagria\*  Frank Stanonik  Iain Walker\*  Sue Walker\*  Steven Emmerich\*\* |

\*Indicates present only on Saturday

\*\*Indicates present only on Wednesday

# 2. Adoption of the Agenda

The agenda was adopted as presented. A reference to the ASHRAE Code of Ethics was made.

# 3. Chair’s Report

StdC Chair Wayne Stoppelmoor provided an update on items discussed by Standards ExCom, including a StdC review of addendum a to Standard 62.2 with guests presenting their concerns. Two complaints for action/inaction were responded to by Standards Committee in October 2019 (English related to SSPC 170, and Waddell to SSPC 62.1). Both are considered resolved. Additionally, a new complaint for action/inaction was co-submitted in January 2020 by Mr. Waddell and Miller. The Chair of SSPC 62.1 has responded and the individuals have until February 20 to indicate whether the chair’s explanation resolves their concerns.

# 4. BOD Officials’ Report

Board ExO, Jaap Hogeling and Board CO, Dennis Knight acknowledge the importance and hard work of Standards Committee and thanked members for their service.

# 5. SR. MOS Report

Mr. Steve Ferguson reported there are no new appeals and there may be a complaint of action/inaction to address in the near future. Staff changes included the promotion of Ryan Shanley to manager of standards – international to replace Brian Cox, who left ASHRAE.

# 6. Approval of Minutes

It was moved by Dru Crawley and seconded by Mike Gallagher:

**1** That the StdC Fall 2019 and the December 18, 2019 Meeting Minutes be approved as presented by consent agenda.

**MOTION PASSED.** 24-0-1[[1]](#footnote-1) Chair not Voting (CNV)

# 7. Review of Action Items

See the updated status of [Action Items](#actionitems) beginning on page 2.

# 8. PPIS

PPIS Chair, Rick Heiden, presented the September 12, 2019 PPIS report. For more information, please see [Attachment A](#AttA).

It was moved by Rick Heiden:

**2** That the following Title, Purpose and Scope (TPS) be approved and that SSPC 170 be responsible for developing the guideline:

**TITLE:** Operations Guideline for Ventilation of Health Care Facilities

**PURPOSE:** The purpose of this guideline is to provide information and guidance for the operation of ventilation systems that provide environmental control in new and existing health care facilities.

**SCOPE:**

**2.1** This guideline is intended for use by facility operators and those involved in the design, construction, installation, commissioning, management, operation, maintenance, accreditation, inspection, and service of health care facilities. This guideline applies to patient care areas, resident care areas, and related support areas within health care facilities.  
  
**2.2** This guideline considers chemical, physical, and biological contaminants that can affect the delivery of medical care to patients and residents, the convalescence of patients and residents, and the safety of patients, residents, health care workers, and visitors.

**2.3** This guideline provides guidance for temperature and humidity.

**2.4** This guideline provides guidance for odor control and asepsis.

**2.5** This guideline provides guidance for ventilation rates including, but not limited to outdoor air, to serve health care facilities.    
**2.6** This guideline provides guidance for thermal comfort.

**MOTION PASSED:** 23-1[[2]](#footnote-2)-1[[3]](#footnote-3), CNV

It was moved by Rick Heiden:

**3** That the PC Guide to PASA,*Duplication and Harmonization* (p.23) be approved as shown in item 4 of the PPIS report ([Attachment A](#AttA)).

It was moved by Mike Woodford and seconded by Adrienne Thomle:

**3A** That the motion be amended to expand the scope to include a review of international standards.

**MOTION to AMEND FAILED**: 8-18[[4]](#footnote-4)-0, CNV

**MOTION 3 PASSED:** 25-1[[5]](#footnote-5)-0, CNV

*An action item was assigned to PPIS (lead) along with CIS and ILS/ISAS to take a longer look at globalization in all relevant documents PASA and other procedures.*

PPIS Chair, Rick Heiden, presented the January 17, 2020 PPIS report. For more information, please see [Attachment B.](#AttB)

It was moved by Rick Heiden:

**4** That the Standards Committee Manual of Procedures (StdC MOP) and Standards Committee Reference Manual (StdC RM) be approved as shown in the January 17, 2020 PPIS report (Attachment B):

**MOTION PASSED.** 26-0-0, CNV

PPIS Chair, Rick Heiden, presented the January 31, 2020 PPIS report. For more information, please see [Attachment C](#AttC).

It was moved by Rick Heiden:

**5** That PASA 7.3, *Maintenance of Standards* and a new section be added to the PC Guide to PASA, *Periodic Maintenance*, StdC MOP, 7 *Approval Sequence of Standards Related Actions* and StdC Reference Manual, *Periodic Maintenance SCD’s* be approved as shown in [Attachment C](#AttC):

**MOTION PASSED.** 26-0-0, CNV

# 9. Publication Drafts

It was moved by Susanna Hanson and seconded by Walter Grondzik:

**6** That the following be approved by consent agenda for publication:

1. BSR/ASHRAE Addendum *g* to ANSI/ASHRAE Standard 34-2019*, Designation and Safety Classification of Refrigerants*
2. BSR/ASHRAE Addendum *p* to ANSI/ASHRAE Standard 62.1-2019, *Ventilation for Acceptable Indoor Air Quality*

**MOTION PASSED.** 26-0-0, CNV

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It was moved by Susanna Hanson and seconded by Walter Grondzik:

**7** That the following be approved by consent agenda for publication:

1. BSR/ASHRAE Addendum *a* to ANSI/ASHRAE Standard 15-2019, *Safety Standard for Refrigeration Systems*
2. BSR/ASHRAE Addendum *b* to ANSI/ASHRAE Standard 15-2019, *Safety Standard for Refrigeration Systems*

**MOTION PASSED.** 25-0-1[[6]](#footnote-6), CNV

It was moved by Susanna Hanson and seconded by Walter Grondzik:

**8** That the following be approved by consent agenda for publication:

1. BSR/ANSI/ASHRAE/ICC/USGBC/IES Addendum *ac* to ANSI/ASHRAE/ICC/ USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*
2. BSR/ANSI/ASHRAE/ICC/USGBC/IES Addendum *ae* to ANSI/ASHRAE/ICC/ USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*
3. BSR/ANSI/ASHRAE/ICC/USGBC/IES Addendum *ai* to ANSI/ASHRAE/ICC/ USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*
4. BSR/ANSI/ASHRAE/ICC/USGBC/IES Addendum *aj* to ANSI/ASHRAE/ICC/ USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*
5. BSR/ANSI/ASHRAE/ICC/USGBC/IES Addendum *ao* to ANSI/ASHRAE/ICC/ USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*

**MOTION PASSED.** 21-0-5[[7]](#footnote-7), CNV

# 10. SPLS Report

The SPLS Report was presented by SPLS Chair, Susanna Hanson. For more information regarding this report please see [Attachment D](#AttCD).

It was moved by Susanna Hanson:

**9** That proposed changes to the TPS for SPC 514P, *Minimizing Risk of Disease and Injury Associated with Building Water Systems,* be approved.

**MOTION PASSED.**  26-0-0, CNV

It was moved by Susanna Hanson:

**10** That proposed changes to the TPS for SPC 202, *Commissioning Process for Buildings and Systems,* be approved.

**MOTION PASSED.** 12-1[[8]](#footnote-8)-2[[9]](#footnote-9), CNV

It was moved by Susanna Hanson:

**11** That proposed changes to the TPS for ASHRAE Guideline 0*, The Commissioning Process,* be approved.

**MOTION PASSED.** 12-1[[10]](#footnote-10)-2[[11]](#footnote-11), CNV

**EXECUTIVE SESSION**

It was moved:

**12** That Paul Lindahl be awarded the Standards Achievement Award.

**MOTION PASSED.**

**END OF EXECUTIVE SESSION**

# 11. SRS

The SRS Report was presented by SRS Chair, Dru Crawley. For more information regarding this report please see [Attachment E](#AttE).

It was moved by Dru Crawley:

**13** That the following documents be approved for revision and that a revision project committee be formed, via consent agenda.

1. ASHRAE Guideline 23-2016, *Guideline for the Design and Application of Heating, Ventilation and Air Conditioning Equipment for Rail Passenger Vehicles*
2. Standard 86-2013 RA 2016, *Methods of Testing the Floc Point of Refrigeration Grade Oils*
3. ANSI/ASHRAE Standard 172-2017, *Method of Test for Insoluble Materials in Synthetic Lubricants and HFC Refrigerant Systems*

**MOTION PASSED.** 26-0-0, CNV

# 12. ILS/ISAS

ILS/ISAS Chair, Michael Newman, presented the ILS/ISAS Report as shown in [Attachment F](#AttF).

It was moved by Michael Newman:

**14** That Standards Committee that Technology Council recommend to Publishing and Education Council that ASHRAE make all standards accessible for free over the internet at no cost.

**MOTION PASSED.** 20-6[[12]](#footnote-12)-0, CNV

**13. Old Business**

Publication discussion on BSR/ASHRAE Addendum *a* to ANSI/ASHRAE Standard 62.2-2016, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings.*

Standards Committee reviewed the background and documentation related to addendum a to 62.2 (unvented combustion heaters). Don Denton, David Delaquila, Paul Francisco, Rick Hermans, Darren Meyers, Andrea, and Frank Stanonik were provided an opportunity to address the committee to discuss their objections. Iain Walker and Paul Francisco were provided an opportunity to address the committee to discuss what SSPC 62.2 did and why. Rick Hermans was permitted to speak on the topic.

**15** It was moved by Rick Heiden and seconded by Mike Gallagher:

That Standards Committee send addendum a back to SSPC 62.2 to work out differences and determine if there was a consensus-based proposal.

Members of Standards Committee began discussing the issues to determine if Standards Committee should re-recommend publication of addendum a to Standard 62.2 to the ASHRAE Board of Directors.

**16** It was moved by Larry Schoen and seconded by Larry Kouma

That Standards Committee postpone the motion on the floor until the Wednesday morning meeting

**MOTION PASSES UNANIMOUSLY**, CNV

**14. Recess**

Standards Committee recessed at approximately 1:00 pm ET until Wednesday, February 5, 2020.

**15. Call to Order**

The meeting of Standards Committee reconvened and was called to order by StdC Chair Wayne Stoppelmoor on Wednesday, February 5, 2020 at 7:30 am ET in the Orlando I/II of the Orlando Hilton.

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

# 16. BOD Officials’ Report

Board ExO, Jaap Hogeling presented his ExO Report as shown in [Attachment G](#AttG).

**17. Old Business**

Publication discussion on BSR/ASHRAE Addendum *a* to ANSI/ASHRAE Standard 62.2-2016, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings.*

The motion to send addendum a back to SSPC 62.2 to work out differences and determine if there was a consensus-based proposal was brought back to the floor for discussion.

The committee discussed the option of sending the addendum back to the SSPC to work with the objectors and try to reach consensus. StdC members spoke in favor as well as in opposition to the motion. Those in favor felt it might be possible to reach a consensus and additional efforts to demonstrate may be needed/investigated. Several members were highly concerned that the action needed more specificity as to what needs to be done. Objectors, David Delaquila and Frank Stanonik were recognized again, and claimed publication of the addendum was essentially a ban on the product and that SSPC 62.2 failed to give due process to technical issues as required by Section 1.8 of the ANSI Essential Requirement.

Chair Stoppelmoor recognized the issues likely would not be resolved during this meeting and requested a motion be made to postpone to the next Standards Committee meeting (not later than June 27, 2020) and to establish an ad hoc committee. The ad hoc group, to be chaired by Wayne Stoppelmoor would include 3 members of Standards Committee, 2 individuals representing SSPC 62.2 and 2 members representing the objectors. The ad hoc would be responsible for reviewing the technical issues in more detail to determine if all technical issues were afforded due process, and to determine if there were true efforts made to resolve the objections. The ad hoc would report back at the next Standards Committee meeting.

It was moved by Susanna Hanson and seconded by Rusty Tharpe:

**17** That Standards Committee postpone action on addendum 62.2a until the next Standards Committee meeting (no later than the Annual Meeting in Austin).

**MOTION PASSED.** 20-3[[13]](#footnote-13)-0, CNV

*Action item: StdC to form an Ad Hoc Committee, chaired by Wayne Stoppelmoor, to review the issues related to addendum 62.2a and determine if SSPC 62.2 made sufficient efforts to resolve objections and if the technical issues were afforded due process by the April StdC meeting.*

It was moved by Craig Wray and seconded by Karl Peterman:

**18** That Standards Committee recommend that Technology Council recommend the motion to approve publication of addendum a to 62.2 be reconsidered by the ASHRAE Board of Directors.

The validity of this motion was discussed. Chair Stoppelmoor ruled this motion improper and out of order because it presented a question that the membership still had within its reach (as when something has been postponed). The proposed motion would negate the postponed motion if it were approved. Per Roberts Rules of Order this cannot occur; when the first motion is valid, the second contradictory motion is out of order.

# 18. Publication Drafts

It was moved by Susanna Hanson and seconded by Larry Kouma:

**19** That BSR/ASHRAE Addendum *x* to ANSI/ASHRAE Standard 62.2-2019, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*, be approved for publication:

**MOTION PASSED.** 20-0-0, CNV

It was moved by Susanna Hanson and seconded by Larry Kouma:

**20** That BSR/ASHRAE/ASHE Addendum *b* to ANSI/ASHRAE/ASHE Standard 170-2017, *Ventilation of Health Care Facilities*, be approved for publication:

**MOTION PASSED.** 19-0-1[[14]](#footnote-14), CNV

It was moved by Susanna Hanson and seconded by Larry Kouma:

**21** That BSR/ASHRAE/ASHE Addendum *c* to ANSI/ASHRAE/ASHE Standard 170-2017, *Ventilation of Health Care Facilities*, be approved for publication:

**MOTION PASSED.** 19-0-2[[15]](#footnote-15), CNV

It was moved by Susanna Hanson and seconded by Larry Kouma:

**22** That BSR/ASHRAE/ASHE Addendum *i* to ANSI/ASHRAE/ASHE Standard 170-2017, *Ventilation of Health Care Facilities*, be approved for publication:

**MOTION PASSED.** 19-0-1[[16]](#footnote-16), CNV

It was moved by Susanna Hanson and seconded by Larry Kouma:

**23** That BSR/ASHRAE/ASHE Addendum *p* to ANSI/ASHRAE/ASHE Standard 170-2017, *Ventilation of Health Care Facilities*, be approved for publication:

**MOTION PASSED.** 19-0-1[[17]](#footnote-17), CNV

It was moved by Susanna Hanson and seconded by Larry Kouma:

**24** That BSR/ANSI/ASHRAE/ICC/USGBC/IES Addendum *j* to ANSI/ASHRAE/ICC/ USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication:

**MOTION PASSED.** 17-0-4[[18]](#footnote-18), CNV

It was moved by Susanna Hanson and seconded by Larry Kouma:

**25** That BSR/ANSI/ASHRAE/ICC/USGBC/IES Addendum *p* to ANSI/ASHRAE/ICC/ USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication:

**MOTION PASSED.** 17-0-4[[19]](#footnote-19), CNV

It was moved by Susanna Hanson and seconded by Larry Kouma:

**26** That BSR/ANSI/ASHRAE/ICC/USGBC/IES Addendum *q* to ANSI/ASHRAE/ICC/ USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication:

**MOTION PASSED.** 16-0-5[[20]](#footnote-20), CNV

It was moved by Susanna Hanson and seconded by Larry Kouma:

**27** That BSR/ANSI/ASHRAE/ICC/USGBC/IES Addendum *u* to ANSI/ASHRAE/ICC/ USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication:

**MOTION PASSED.** 17-0-4[[21]](#footnote-21), CNV

It was moved by Susanna Hanson and seconded by Larry Kouma:

**28** That BSR/ANSI/ASHRAE/ICC/USGBC/IES Addendum *an* to ANSI/ASHRAE/ICC/ USGBC/IES Standard 189.1-2017, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication:

**MOTION PASSED.** 17-0-4[[22]](#footnote-22), CNV

# 19. SPLS Report

The February 4, 2020 SPLS report was presented by Ms. Susanna Hanson. For more information regarding this report, please see [Attachment H](#AttH).

It was moved by Susanna Hanson:

**29** That the proposed TPS for SSPC 15, *Safety Standard for Refrigeration Systems*, be approved as presented in Attachment A of the February 4, 2020 [SPLS Report](#AttH).

**MOTION PASSED.** 21-0-1[[23]](#footnote-23), CNV

It was moved by Susanna Hanson:

**30** That the proposed TPS for Standard 15.2, *Safety Standard for Air-conditioning and Heat Pump Systems in Residential Applications,* be approved as shown in Attachment B of the February 4, 2020 [SPLS Report](#AttH).

**MOTION PASSED.** 21-0-1[[24]](#footnote-24), CNV

# 20. PPIS Report

PPIS Chair, Rick Heiden, presented remaining motions from the PPIS February 4, 2020 report [Attachment I](#AttI).

It was moved by Rick Heiden:

**31** That the following Title, Purpose and Scope (TPS) be approved and that a new Guideline Project Committee be formed:

**TITLE:** Protecting Building Occupants from Smoke During Wildfire and Prescribed Burn Events

**PURPOSE:**

The purpose of this guideline is to recommend building measures to minimize occupant health impacts caused by smoke from wildfire and prescribed burn events.

**SCOPE:**

**2.1** This guideline applies to commercial buildings; institutional buildings, including healthcare facilities; and multi-unit residential buildings, as well as dedicated spaces within these building types intended for temporary human occupancy during a wildfire or prescribed burn event.

**2.2** This guideline includes buildings expected to be occupied by potentially susceptible populations, including children and the elderly.

**2.3** This guideline provides recommendations related to the design, installation, commissioning, operation, and maintenance of building envelope, ventilation, and air cleaning systems.

**MOTION PASSED.** 21-0-0, CNV

PPIS Chair, Rick Heiden, presented remaining motions from the PPIS September 12, 2019 (revised 02.02.2020) report [Attachment I](#AttI).

It was moved by Rick Heiden:

**32** That new sections be added to the PC Guide to PASA, Role of Subcommittees (PASA 4.3.4) and PC Guide to PASA, Role of Ad Hoc Working Groups, and PC Guide to PASA, Balance (p.11), PC Guide to PASA, Meetings (p.14) and PC Guide to PASA, Voting (p.17) be approved as shown in item 5 of the PPIS report ([Attachment I](#AttI)).

**MOTION PASSED.** 21-0-0, CNV

It was moved by Rick Heiden:

**33** That the Standards Committee Manual of Procedures (StdC MOP) and Standards Committee Reference Manual (StdC RM) be approved as shown in item 6 of the PPIS report ([Attachment I](#AttI)).

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**MOTION PASSED.** 21-0-0, CNV

# 21. Next Meeting/Closing Items

Next Meetings:

• Spring Meeting – March/April TBD

• ASHRAE Annual Meeting, Austin, TX, June 27 and July 1, 2020

# 22. Adjournment

The Standards Committee meeting adjourned at approximately 9:45 am ET.

# 21. Attachments

Attachment A



Attachment B



Attachment C



Attachment D



Attachment E



Attachment F



Attachment G



Attachment H



Attachment I



1. Theresa Weston abstained because she was not yet a member of StdC. [↑](#footnote-ref-1)
2. *Craig* *Wray voted no stating, “I voted no on the TPS because as a former Chair of the “Ventilation Requirements and Infiltration” TC, I do not believe that the purpose is stated correctly. In particular, the text “of ventilation systems that provide environmental control” should not include the text “that provide environmental control”, because ventilation systems by definition from TC 4.3 and in 62.1 already provide environmental modification, but they do not necessarily control the environment.”* [↑](#footnote-ref-2)
3. *Erick Phelps abstained because he is a member of the SSPC.* [↑](#footnote-ref-3)
4. *StdC members voting no felt the amended motion expanded the scope beyond what ANSI ER requires.* [↑](#footnote-ref-4)
5. *Craig* *Wray voted no stating, “The current language to narrow the scope of the standards review to essentially only some U.S. standards that must be considered does not properly represent ASHRAE’s desire to be an international organization.”* [↑](#footnote-ref-5)
6. Rusty Tharp abstained because he is a member of the SSPC. [↑](#footnote-ref-6)
7. Dru Crawley, Doug Fick, Jonathan Humble, Larry Schoen, and Christian Taber abstained because they are members of the SSPC. [↑](#footnote-ref-7)
8. Craig Wray voted no stating, “I voted no because the revised TPS is unclear what “optimum” means. In particular, does optimum apply to the building or to the cx process? It is also unclear how this Guideline relates to Std 202.” [↑](#footnote-ref-8)
9. Tom Cappellin and Walter Grondzik abstained because they are members of the SPC. [↑](#footnote-ref-9)
10. Craig Wray voted no stating, “I voted no because the revised TPS is unclear whether it applies to new or existing buildings and systems. In particular, the Title seems to need an “or” in place of “and”. Also, it should have the word “New” ahead of “Systems”. Also, the word “existing” in the scope is confusing, given the title.” [↑](#footnote-ref-10)
11. Tom Cappellin and Walter Grondzik abstained because they are members of the SPC. [↑](#footnote-ref-11)
12. StdC members voting no include Larry Schoen, Adrienne Thomle, Doug Fick, Christian Taber, Karl Peterman and Jonathan Humble. Jonathan Humble voted no stating, “My negative vote does not represent a position that I do not agree with the intent of this recommendation. In my opinion the proposed motion lacks a definitive financial analysis, a SWOT (Strengths, Weaknesses, Opportunities and Threats) analysis, and proposed business plan that outlines how said transition can be successful. Lacking such an analysis and plan I feel it is premature for this body to recommend any action. In short, we are working backwards.

    Further, the reason statement also cites that the recommendation is to retain a fee based system for printed copies of ASHRAE standards, however the “Report” suggests that electronic copies are and will be the dominant distribution method. This raises the question, why mention the income from printed versions if they are predicted to be obsolete in the near future? This also suggests we do not fully understand the financial impact.

    To respond to the comment that SC is only making a “recommendation” for a goal or aspiration, my response is that this motion represents a desired action and result. This action does not represent an informal recommendation to encourage the ASHRAE BOD to examine the impact before implementing same.

    I will reiterate, that when I have been involved with other standards developers who have pursued similar actions (e.g. no-cost publications) said financial analysis, SWOT and a business plan were generated first, then the solicitation of support was executed based on that substantiation and recommendation..

    Doug Fick voted no stating,” While this may have an impact on the global adoption of standards it limited approach it fiscally irresponsible. The current efforts to revise the ASHRAE business model will address the best distribution of standards holistically from a Society Perspective.”

    Christian Taber voted no stating,” The motion lacks an impact/fiscal analysis for how the roughly $825,000 of lost revenue would be recouped.

    Adrienne Thomle voted no stating, “Standards has a responsibility to consider the fiscal impact of making all standards free to the global public without a suggestion to Tech Council and the board of how ASHRAE can make up the $800k+ annual revenue. I would like to suggest we make them free to members but not the general public. And I would like to see the fiscal impact based on members only.”

    Karl Peterman voted no stating, “No data or supporting information was provided to support the motion. The objective was stated to be to expand the use of ASHRAE standards globally, however, it was also stated that ASHRAE standards continue to be seen as North American standards that have no standing in other parts of the world. No data was presented that supported the claim that making the standards free would reasonably achieve the desired result. The only support was emotional opinion and benevolent desire to increase access. Furthermore, I do not agree with the concept of transferring the costs to the membership. There is already stress on current members to pay higher membership fees. Common economic theory will explain that as the costs rise, the participation will diminish. I believe that the current membership is not looking for ways to increase their payments and so cannot support a motion which would effectively do that.”

    Larry Schoen voted no stating, “- “Accessible” is not specific enough. It is unclear if this means view only, download chapters, download secured pdfs, download unrestricted entire Standards. - This motion is incomplete without consideration of the financial impacts. - It’s possible that there are other and more essential uses for money, such as supporting some member participation expenses. - “Standards” does not include SCDs, which would also include Guidelines. [↑](#footnote-ref-12)
13. StdC members voting no include Karl Peterman, Larry Schoen and Craig Wray. Craig Wray stated, “I voted no on the motion to postpone is essentially stated below in the background section. I think that StdC is simply choosing to delay making a decision on the issue, even though we already have all of the information that we need at hand now. Background: ASHRAE's vision is a healthy and sustainable built environment for all. Contamination of indoor air by unvented combustion appliances is an important factor in indoor air quality. The Society has taken positions on this topic (<https://www.ashrae.org/File%20Library/About/Position%20Documents/Unvented-Combustion-Devices-and-IAQ-PD.PDF>) that are supported by the proposed addendum. The BOD previously approved this addendum, but this decision was overturned due to an appeal. Standards Committee has determined that process deficiencies have now been addressed and believes that the publication of Addendum a should be expedited to achieve Society policy. This recommendation is supported by the Environmental Health Committee, which voted 10-0-0-CNV on February 3, 2020 to approve a similar motion.” Karl Peterman and Larry Schoen voted no stating that process was followed. [↑](#footnote-ref-13)
14. Erick Phelps abstained because he is a member of the SSPC. [↑](#footnote-ref-14)
15. Erick Phelps abstained because he is a member of the SSPC. Larry Schoen abstained because he left the room during the discussion. [↑](#footnote-ref-15)
16. Erick Phelps abstained because he is a member of the SSPC. [↑](#footnote-ref-16)
17. Erick Phelps abstained because he is a member of the SSPC. [↑](#footnote-ref-17)
18. Erick Phelps abstained because he is a member of the SSPC. [↑](#footnote-ref-18)
19. Erick Phelps abstained because he is a member of the SSPC. [↑](#footnote-ref-19)
20. Dru Crawley, Jonathan Humble and Larry Schoen abstained because they are members of the SSPC. Doug Fick abstained because he is the SPLS liaison. Rick Heiden abstained because he didn’t know enough about the issue. [↑](#footnote-ref-20)
21. Erick Phelps abstained because he is a member of the SSPC. [↑](#footnote-ref-21)
22. Rusty Tharp abstained because he is a member of the SSPC. [↑](#footnote-ref-22)
23. Rusty Tharp abstained because he is the chair of the SSPC. [↑](#footnote-ref-23)
24. Rusty Tharp abstained because he is the chair of the SSPC. [↑](#footnote-ref-24)