



Shaping Tomorrow's
Built Environment Today

MINUTES

SOCIETY RULES COMMITTEE WEBINAR

**Thursday, July 31, 2014
2:00 pm – 3:00 pm**

Note: These draft minutes have not been approved and are not the official, approved record until approved by the Society Rules Committee.

TABLE OF CONTENTS
Society Rules Committee Meeting
July 31, 2014

CALL TO ORDER	1
REVIEW OF AGENDA.....	1
APPROVAL OF MINUTES.....	1
REVIEW OF ACTION ITEMS	1
UNFINISHED BUSINESS	1
New ROBs for Residential Standing Committee	1
NEW BUSINESS.....	2
Overview of New SRC FTP Site.....	2
BOD Principal Motions	2
ROB Section Leaders	2
Mentor Assignments	2
NEXT MEETING.....	3
ADJOURNMENT.....	3

PRINCIPAL MOTIONS
Society Rules Committee Minutes
July 31, 2014

No.- Page Motion

2 - 2 (2) that motion #1 in the consent motions list (that the Board of Directors approve the 2014 Strategic Plan) as shown in Attachment A be removed from the list of consent motions; and that the remaining consent motions be approved.

ACTION ITEMS
Society Rules Committee
July 31, 2014

<u>No. - Pq.</u>	<u>Responsibility</u>	<u>Summary</u>	<u>Status</u>
1 - 1	Giesler	Clean up additional changes made to the Tech Council MOP and send revisions back to Technology Council.	<u>Ongoing</u>
2 - 1	Townsend	If a ROB indicates a reporting structure to ExCom or to the BOD, it should be reflected in the organizational chart. If not, it should be removed from the organizational chart	<u>Ongoing</u>
3 - 2	Townsend	Send a note to Mr. Culp asking that the draft motion to make the Residential Ad Hoc a standing committee be sent to her to store on the SRC ftp site.	_____
4 - 2	Fly	Determine how and where the Strategic Plan should be placed into the ROB's and make a recommendation at the next SRC call.	_____
5 - 2	Townsend	Notify Mr. Culp and the ROB volume leaders when the updated ROB's are posted to the ftp site so they can begin to review them.	_____
6 - 3	Mescher	Prepare a SRC Report to the BOD and send to Mrs. Townsend.	_____
7 - 3	Brandemuehl / Fly	Mr. Brandemuehl agreed to work on the motion to create a Public Policy Committee to present to Members Council. He will work with Mr. Fly since he is the Volume 2 leader.	_____

MINUTES

SOCIETY RULES COMMITTEE WEBINAR

Thursday, July 31, 2014

2:00 pm – 3:00 pm

MEMBERS PRESENT: Kirk Mescher, Chair
Charles H. Culp III
James R. Fields
Mark W. Fly
Hugh McMillan III
Michael Brandemuehl, Consultant
Charles E. Gullledge III, CO

MEMBERS ABSENT: Arthur L. Giesler

STAFF PRESENT: Mary Dean Townsend
Claire I. Neme

CALL TO ORDER

Chair Mescher called the meeting to order at 2:02 pm on Thursday, July 31, 2014. Members and staff attended as listed above. A quorum was present.

REVIEW OF AGENDA

Chair Mescher asked if there were additions or deletions from the agenda. The agenda was approved as written.

APPROVAL OF MINUTES

Mr. Mescher called for a motion to approve the minutes from the July 1, 2014 SRC meeting in Seattle Washington. Mr. Fly made the motion and it was seconded

- (1) that the minutes of the July 1, 2014 Society Rules Committee meeting be approved.

MOTION 1 PASSED (5-0-0-CNV)

REVIEW OF ACTION ITEMS

- | | | | | |
|-------|----------|-----------|--|------|
| 2 – 1 | Townsend | On agenda | Once approved by the BOD, add the new Development Committee rule to the end of Volume 2 of the ROB using new and not existing, unused numbering. | |
| 3 – 2 | Giesler | Ongoing | Clean up additional changes made to the Tech Council MOP and send revisions back to Technology Council. | AI 1 |
| 10- 2 | Townsend | Ongoing | If a ROB indicates a reporting structure to ExCom or to the BOD, it should be reflected in the organizational chart. If not, it should be removed from the organizational chart. | AI 2 |

UNFINISHED BUSINESS

New ROBs for Residential Standing Committee

Mr. Mescher reported that Mr. Culp sent him the draft ROB for the Residential Ad Hoc Committee to become a standing committee. Mr. Mescher spoke with Mr. Phoenix about this and he indicated the

committee would remain an ad hoc committee for this Society year. The BOD will need to determine if and when this committee becomes a standing committee. Mrs. Townsend will send a note to Mr. Culp asking that the draft be sent to her to store on the SRC ftp site. A project cover sheet will be added to this draft.

AI 3

NEW BUSINESS

Overview of New SRC FTP Site

Mr. Mescher gave a brief overview of the new ftp site that was developed for SRC. The site would be used to store results of the committee's work. A meeting folder will be used to store ROBs that are editable Word versions that we are working on; no PDF versions will be posted there. The ROB updates will be revised and published only twice; before the BOD meets in October and before the BOD meets in May. BOD principal motions will be added to the ROB twice a year.

BOD Principal Motions – Consent Motions (Attachment A)

Mr. McMillan made a motion and it was seconded

- (2) that motion #1 in the consent motions list as shown in Attachment A (that the Board of Directors approve the 2014 Strategic Plan) be removed from the list of consent motions; and that the remaining consent motions be approved.

MOTION 2 PASSED (5-0-0 – CNV)

Mr. Mescher asked Mr. Fly to take an action item to determine how and where the Strategic Plan should be placed into the ROBs. Mr. Fly agreed.

AI 4

After further discussion, Mr. Mescher asked SRC members if they wished to discuss any other items on the BOD consent motion list, such as the following:

- Integration of the Life Members Club into the ROB. There was no discussion on this item.
- Formation of the Development Committee. There was no discussion on this item.
- Whistleblower Policy – there was no discussion on this item.

ROB Section Leaders

Mr. Mescher assigned ROB section leaders to each volume of the ROB and asked them to track their assigned section and review it for accuracy. Following are the ROB section leaders:

Jim Fields – Volume 1
Mark Fly – Volume 2
Hugh McMillan – Volume 3
Kirk Mescher – Volume 4

A folder will be set up in the SRC ftp site to be used for member assignments that are being worked on.

Ms. Townsend asked Mr. Culp to review the updated ROBs when they are completed. She took an action item to notify Mr. Culp and the ROB volume leaders when the updated ROBs are posted to the ftp site.

AI 5

Mentor Assignments

Mr. Mescher made the following mentor assignments:

Mentor

Michael Brandemuehl
Charlie Culp
Art Giesler

Trainee

Mark Fly
Hugh McMillan
Jim Fields

Mr. Mescher asked if there were any other items to discuss before adjournment. Mrs. Townsend asked if there would be a SRC Report to the BOD prepared. Mr. Mescher indicated he would prepare a report after today's web meeting. AI 6

Mr. Mescher also reported he received a request from Mr. Scarborough for SRC to help work on a motion for a new Public Policy Committee to present to Members Council. Mr. Brandemuehl agreed to work on the motion with Mr. Fly since he is the Volume 2 leader. AI 7

NEXT MEETING:

The next SRC web meeting will be held on Thursday, September 11, 2014 from 2:00 to 3:00 pm EDT.

ADJOURNMENT

The meeting was adjourned at 2:39 pm.

Respectfully submitted,



Mary Dean Townsend, Secretary

cc: Board of Directors
Staff Directors

Attachments: A. Principal Motions Consent Agenda

Principal Motions from the following meetings:

Tuesday, June 24, 2014	Webinar/Conference Call
Sunday, June 29, 2014	Seattle, Washington
Wednesday, July 2, 2014	Seattle, Washington

Items to be incorporated in ROB

Tuesday, June 24, 2014:

- ~~that the Board of Directors approve the 2014 Strategic Plan.~~
- that the Board of Directors adopt the Strategic Plan Toolkit and Implementation Process.
- entththat the Board of Directors approve the memorandum of understanding between ASHRAE and the Indoor Environmental Quality/Global Alliance.
- that the Board of Directors of ASHRAE observe the passing of Presidential Member Richard Perry with great sorrow, and that a copy of this official resolution be placed in the record of the June 24, 2014, Board of Directors' meeting, and that the resolution be forwarded to his immediate family.

Sunday, June 29, 2014

- that the Board of Directors approve the 2014-15 draft budget for the General Fund, inclusive of council budgets, showing a surplus of \$673,600.
- that the Board of Directors approve the 2014-15 budget for the Research Fund showing total revenues and expenses of \$4,688,700.
- that the Board of Directors approve a discretionary capital expenditure budget of \$200,000 for fiscal year 2014-15.
- that the Board of Directors approve the formation of an Audit Committee and recommends the changes to the Rules of the Board. (Attachment D)
- that the Board of Directors approve the following changes to the ASHRAE Travel Reimbursement Policy:
 - 1.201.027 Travel Reimbursement Policy**
 - 1.201.027.1 Introduction
 - 1.201.027.2 Definitions
 - 1.201.027.3 Applicability
 - A. President –Travel expenses for the President and spouse for presidential activities shall be reimbursed, when requested.
 - B. President-Elect – The President Elect may request reimbursement for up to 4 standard hotel-nights at the Annual Meeting hotel for use by guests attending the Annual Meeting. Also up to 4 Social packages will be provided at the PE's request.**
 - B- C. Other Officers**
 - 1. Travel expenses for Officer Executive Committee activities without prior Presidential approval shall be reimbursed, when requested, for:

- that the Board of Directors approve the following changes to the ASHRAE Travel Reimbursement Policy:

1.201.027.4 Conditions

A. Transportation

1. ASHRAE policy on use of transportation is to reimburse the member for actual expenses, when requested, in an amount which does not exceed either the basic reimbursable expense limit or any transportation expense cap that applies. Exceptions must be approved in advance by the ASHRAE treasurer.

2. The basic reimbursable expense limit is for the fourteen (14) day advance purchase (nonrefundable) coach fare between the destination points and one checked bag only, or, if an automobile is used for travel, the United States of America Internal Revenue Service reimbursement rate for miles driven up to a maximum of 700 miles total. Cost of travel insurance, ground transportation, gratuities and other similar out-of-pocket expenses are not reimbursable. (13-04-15-01)

3. The traveler may request reimbursement for any combination of air, ground or other actual transportation expense, whose total does not exceed the basic reimbursable expense limit. Private vehicle operating expenses are determined from the current United States of America Internal Revenue Service reimbursement rate.

4. When the member stays overnight at a destination solely to use a reduced fare, the traveler may request reimbursement for the airfare paid plus the amount paid for the additional lodging and meal expenses. In those cases where more than one night's stay over would give a reduced airfare, approval may be authorized by the Coordinating Officer.

5. If the most economical fare is of the type where a cost is involved for changes in travel plans, ASHRAE will reimburse the member for such costs where the change in travel plans results from unforeseen changes in the scheduled meeting or event.

6. The President ~~or his representatives~~ and their spouse may be reimbursed for business class airfare for each segment of any trip where the total flying time (not including layover times in airports) exceeds 7 hours. (13-04-15-01)

- that the ASHRAE Support for Residential Construction Ad Hoc Report be accepted by the Board of Directors and be referred to Councils for consideration.

Wednesday, July 2, 2014

- that the following consent motions be approved:
 - A. that King & Spalding be retained as ASHRAE legal counsel for fiscal year 2014-2015.
 - B. that Oakbridge Partners, Inc. be approved as ASHRAE investment advisor for fiscal year 2013-2014.
 - C. that Jones & Kolb be approved as Certified Public Accountant for ASHRAE for fiscal year 2014-2015.
 - D. that the appropriate and required bank resolutions for institutions in which ASHRAE funds are deposited as executed by officers for 2014-2015 be approved.
- that the following changes to the Planning Committee (PLC) Rule of the Board (ROB) be approved

for Society year 2014-15:

2.416.002 MEMBERSHIP

2.416.002.1 Composition (02-01-13-19/04-06-27-08/05-06-26-16/09-06-21-13/12-06-24-12)

The members of this committee are as follows:

A. Between seven (7) and ~~twelve~~ **thirteen (13)** voting members, including a chair and vice chair

B. Voting members shall include

1. one Vice President (who serves as coordinating officer)
2. one Director-at-Large,
3. one Director and Regional Chair
4. one member who is serving on the YEA Committee at the time of appointment
5. one member in good standing
6. at least two (2) to ~~seven~~ **eight (8)** other members of the Society who are serving or have served as Board members

- that the list of members appointed to standing committees for 2014-15 as shown in Attachment B be approved.
- that the list of members appointed to ad hoc committees for 2014-15 as shown in Attachment C be approved.
- that the list of other Society appointments for 2014-15 as shown in Attachment D be approved.
- that the list of intersociety appointments for 2014-15 as shown in Attachment E be approved.
- that the Board of Directors approve the creation of the Boggarm and Barthy Setty Region I Scholarship.
- that the Board of Directors approve adding "Underwritten by the Setty Family Foundation" to the ASHRAE Student Design Competition, subject to the completion of the funding agreement with the ASHRAE Foundation.
- that the Board of Directors approve a one-year \$3,000 Boggarm & Barthy Setty Region I Scholarship awarded annually.
- that the Board of Directors approve an additional Reuben Trane Scholarship awarded annually pending approval and action by the ASHRAE Foundation for funding.
- that the Board of Directors approve the following revisions to Appendix D of the Scholarship Guidelines for clarification and consistency.
- that consent motions 1 – 5 from Members Council be approved.

ROB Volume 2 work

1. that the Board of Directors approve the revision to ROB 2.411.003.4 as shown below.
2.411.003.4 Board-Approved Awards Not Named for Individuals

D. The Government Activities Award is established to recognize an ~~ASHRAE chapter~~ **individual** that demonstrates outstanding efforts in the state, provincial and local government on technical issues important to ASHRAE.

2. that the Board of Directors approve the revision to ROB 2.103.003.6 as shown below:
2.103.003.6 Affiliate Member Grade Benefits

H. Annual dues shall be as stated in Rules of the Board Volume 3, Section 3.200.001.

Society Dues.

3. that the Board of Directors approve the revision to ROB 2.103.003.7 as shown below.
2.103.003.7 Affiliate Member Grade Restrictions
A. A member must be under 30 at time of application to qualify, except if an honorably discharged military veteran within 5 years of discharge.
 4. that the Board of Directors approve the revision to ROB 2.430.002.2 as shown below.
2.430.002.2 Qualifications
A. Committee Members shall be members of the Society in good standing be voting members of ASHRAE.
B. Voting members of this committee shall be 35 years of age or younger at the onset of their term.
 5. that the Board of Directors approve the revision to ROB 2.412.003 as shown below.
2.412.003 Operation
2.412.003.1 General Requirements
The ASHRAE members of the ASHRAE/AHRI Joint Exposition Policy Committee shall report to the Conferences and Expositions Committee Society's Executive Committee.
- that the BOD approve the following addition to the Rules of the Board :
2.101.007 Official Publications of the Society
2.101.007.1
ASHRAE shall publish and distribute a journal to its members. The name of the publication shall be the *ASHRAE Journal*, and it shall be an "official publication of the Society." (SBL 10.2)
2.101.007.2
ASHRAE shall publish and distribute a newspaper to its members. The name of the newspaper shall be *ASHRAE Insights*, and it shall be an "official publication of the Society." (SBL 10.2)
2.101.007.3
ASHRAE shall publish and distribute on-line an electronic newsletter to its members. The name of the e-Newsletter shall be *Society Connections*, and it shall be an "official publication of the Society." (SBL 10.2) (06-03-20-01)
2.101.007.4
ASHRAE shall publish and distribute to subscribers a journal of archival-quality research. The name of the publication shall be *Science and Technology for the Built Environment*, and it shall be an "official publication of the Society."

- that the BOD confirm and revise the ASHRAE Units Policy (ROB 1.201.002):

Units Policy

1.201.002 Units Policy (100-113-001 82-07-01-30/84-06-21-39/85-06-27-41/87-01-19-28/88-05-21-37/90-02-14-10/90-06-14-31/91-01-24-51B/ 92-07-02-39/93-07-01-54/94-01-26-57/94-06-30-32B/ 95-02-02-38/95-06-29-29/01-06-28-38C/04-06-30-13 07-06-27-22/08-06-25-14/09-06-24-14)

1.201.002.1 The units use or application policy shall include, as a minimum, time-dated

directions on the use of SI and I-P in all ASHRAE publications.

1.201.002.2 TC 1.6 shall serve as the authority on SI and I-P usage and application.

1.201.002.3 Research projects; codes, standards, guidelines and addenda thereto; special publications; Insights articles; Journal articles; and Handbooks shall be prepared using the International System of Units (SI) and/or inch-pound units (I-P) in formats approved by the Publishing and Education Council.

1.201.002.4 The Publishing and Education Council shall review annually the approved formats to be used in ASHRAE publications, considering suggestions from members and committees, and shall establish any changes in the approved formats.

1.201.002.5 The Publishing and Education Council shall consider this Units Policy annually and shall recommend to the Board of Directors the formats to be used in ASHRAE publications.

A. The format for ASHRAE publications shall be dual units, except in cases determined by the Publishing and Education Council, where two separate versions are to be published, where one is rational SI and the other is rational I-P. For selected ASHRAE standards and guidelines, the Standards Committee may approve use of SI units only.

B. In dual unit publications, the units used in calculating the work being reported shall be listed first. The alternate system of units should follow in parentheses. Authors shall round off equivalents in the alternate system of units so that they imply the same accuracy as is implied with primary units.

C. Exceptions require the approval of the Director of Publishing and Education.

1.201.002.6 Handbook volumes shall be published in separate SI and I-P editions.

1.201.002.7 *Science and Technology for the Built Environment*, as ASHRAE's international research journal, may publish papers in dual units or, in cases where the original research being reported was conducted in SI units, in SI units only.

- that Technology Council consent motions 1 – 70 be approved.
 1. that ASHRAE Guideline 1.4P, *Procedures for Preparing Facility Systems Manuals*, be approved for publication.
 2. that ASHRAE Addendum a (*combines the sections on lighting aspects for consistency*) to ASHRAE Guideline 10-2011, *Interactions Affecting the Achievement of Acceptable Indoor Environments*, be approved for publication.
 3. that ASHRAE Addendum b (*adds a practical example of how to address noisy ventilation equipment*) to ASHRAE Guideline 10-2011, *Interactions Affecting the Achievement of Acceptable Indoor Environments*, be approved for publication.
 4. that ASHRAE Addendum c (*adds new wording indicating that minimizing an exposure is typically, but not necessarily, always the best control*) to ASHRAE Guideline 10-2011, *Interactions Affecting the Achievement of Acceptable Indoor Environments*, be approved for publication.
 5. that ASHRAE Addendum d (*simplifies definitions*) to ASHRAE Guideline 10-2011,

Interactions Affecting the Achievement of Acceptable Indoor Environments, be approved for publication.

6. that BSR/ASHRAE Standard 16-1983(RA), *Method of Testing for Rating Room Air Conditioners, Packaged Terminal Air Conditioners and Packaged Terminal Heat Pumps for Cooling and Heating Capacity*, be approved for publication.
7. that BSR/ASHRAE Standard 23.2P, *Method of Test for Rating the Performance of Positive Displacement Compressors that Operate at Supercritical Pressures of the Refrigerants*, be approved for publication.
8. that BSR/ASHRAE Addendum *d* (*updates the Section E Definitions for occupational exposure limit (OEL) and the workplace environmental exposure level (WEEL) and updates Section 10, References*) to ANSI/ASHRAE Standard 34-2013, *Designation and Safety Classification of Refrigerants*, be approved for immediate publication.
9. that BSR/ASHRAE Addendum *e* (*adds the zeotropic refrigerant blend R-448A*) to ANSI/ASHRAE Standard 34-2013, *Designation and Safety Classification of Refrigerants*, be approved for immediate publication.
10. that BSR/ASHRAE Addendum *f* (*adds the zeotropic refrigerant blend R-449A*) to ANSI/ASHRAE Standard 34-2013, *Designation and Safety Classification of Refrigerants*, be approved for immediate publication.
11. that BSR/ASHRAE Addendum *g* (*adds the zeotropic refrigerant blend R-450A*) to ANSI/ASHRAE Standard 34-2013, *Designation and Safety Classification of Refrigerants*, be approved for immediate publication.
12. that BSR/ASHRAE Addendum *h* (*adds the zeotropic refrigerant blend R-444B*) to ANSI/ASHRAE Standard 34-2013, *Designation and Safety Classification of Refrigerants*, be approved for immediate publication.
13. that BSR/ASHRAE Addendum *i* (*revises Section 9.9.5, Quantity, changing the quantity and type of documents refrigerant applicants should submit to ASHRAE*) to ANSI/ASHRAE Standard 34-2013, *Designation and Safety Classification of Refrigerants*, be approved for immediate publication.
14. that BSR/ASHRAE Standard 41.3P, *Standard Method for Pressure Measurement*, be approved for publication.
15. that BSR/ASHRAE Standard 41.6-1994 (RA 2006)R, *Standard Methods for Humidity Measurement*, be approved for publication.
16. that BSR/ASHRAE Standard 41.11P, *Standard Method for Power Measurement*, be approved for publication.
17. that BSR/ASHRAE Addendum *d* (*adjusts the mandatory relative humidity for performing the test*) to ANSI/ASHRAE Standard 52.2-2012, *Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size*, be approved for publication.
18. that BSR/ASHRAE Standard 58-1986(RA), *Method of Testing for Rating Room Air Conditioner and Packaged Terminal Air Conditioner Heating Capacity*, be approved for publication.
19. that BSR/ASHRAE Addendum *k* (*modifies the standard such that laboratory exhaust*

is assigned a default air class) to ANSI/ASHRAE Standard 62.1-2013, *Ventilation for Acceptable Indoor Air Quality*, be approved for publication.

20. that BSR/ASHRAE Addendum *e* (*changes the leakage rate for the dwelling unit envelope area*) to ANSI/ASHRAE Standard 62.2-2013, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*, be approved for publication.
21. that BSR/ASHRAE Addendum *f* (*updates an outdated reference regarding duct leakage*) to ANSI/ASHRAE Standard 62.2-2013, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*, be approved for publication.
22. that BSR/ASHRAE Standard 72-2005R, *Method of Testing Open and Closed Commercial Refrigerators and Freezers*, be approved for publication.
23. that BSR/ASHRAE Addendum *an* (*adds Extended Length MS/TP Frames*) to ANSI/ASHRAE Standard 135-2012, *BACnet – A Data Communication Protocol for Building Automation and Control Networks*, be approved for publication.
24. that BSR/ASHRAE Addendum *at* (*adds an Interface_Value Property*) to ANSI/ASHRAE Standard 135-2012, *BACnet – A Data Communication Protocol for Building Automation and Control Networks*, be approved for publication.
25. that BSR/ASHRAE Addendum *au* (*clarifies authentication factor value encoding*) to ANSI/ASHRAE Standard 135-2012, *BACnet – A Data Communication Protocol for Building Automation and Control Networks*, be approved for publication.
26. that BSR/ASHRAE Addendum *av* (*deprecates execution of GetAlarmSummary*) to ANSI/ASHRAE Standard 135-2012, *BACnet – A Data Communication Protocol for Building Automation and Control Networks*, be approved for publication.
27. that BSR/ASHRAE Addendum *aw* (*extends the CHANGE-OF-STATE event algorithm*) to ANSI/ASHRAE Standard 135-2012, *BACnet – A Data Communication Protocol for Building Automation and Control Networks*, be approved for publication.
28. that BSR/ASHRAE Addendum *ax* (*removes Incorrect Recipient_List Requirement*) to ANSI/ASHRAE Standard 135-2012, *BACnet – A Data Communication Protocol for Building Automation and Control Networks*, be approved for publication.
29. that BSR/ASHRAE Addendum *az* (*adds Binary Lighting Output Object Type*) to ANSI/ASHRAE Standard 135-2012, *BACnet – A Data Communication Protocol for Building Automation and Control Networks*, be approved for publication.
30. that BSR/ASHRAE Addendum *a* (*adds a new set of test cases*) to ANSI/ASHRAE Standard 140-2011, *Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs*, be approved for publication.
31. that BSR/ASHRAE Addendum *a* (*fixes the double entry for a compound listed under two names*) to ANSI/ASHRAE Standard 145.2-2011, *Laboratory Test Method for Assessing the Performance of Gas-Phase Air-Cleaning Systems: Air-Cleaning Devices*, be approved for publication.
32. that BSR/ASHRAE Addendum *b* (*shortens the test period for the 100% efficiency test*) to ANSI/ASHRAE Standard 145.2-2011, *Laboratory Test Method for Assessing the Performance of Gas-Phase Air-Cleaning Systems: Air-Cleaning Devices*, be approved for publication.

33. that BSR/ASHRAE Addendum *c* (*modifies the initial performance test*) to ANSI/ASHRAE Standard 145.2-2011, *Laboratory Test Method for Assessing the Performance of Gas-Phase Air-Cleaning Systems: Air-Cleaning Devices*, be approved for publication.
34. that BSR/ASHRAE Standard 150-2000(RA), *Method of Testing the Performance of Cool Storage Systems*, be approved for publication.
35. that BSR/ASHRAE/ASHE Addendum *b* (*updates the normative and informative references*) to ANSI/ASHRAE/ASHE Standard 170-2013, *Ventilation of Health Care Facilities*, be approved for publication.
36. that BSR/ASHRAE Standard 181P, *Methods of Testing for Rating Liquid-to-Liquid Heat Exchangers*, be approved for publication.
37. that BSR/ASHRAE/ACCA Standard 183-2007RA, *Peak Cooling and Heating Load Calculations in Buildings Except Low-Rise Residential Buildings*, be approved for publication.
38. that BSR/ASHRAE Standard 185.2P, *Method of Testing Ultraviolet Lamps for Use in HVAC&R Units or Air Ducts to Inactivate Microorganisms on Irradiated Surfaces*, be approved for publication.
39. that BSR/ASHRAE/USGBC/IES Addendum *w* (*bicycle parking design requirements*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
40. that BSR/ASHRAE/USGBC/IES Addendum *ad* (*adds roof maintenance requirements*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
41. that BSR/ASHRAE/USGBC/IES Addendum *ae* (*allows the California Air Resources Board (CARB) Suggested Control Measure for Architectural Coatings*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
42. that BSR/ASHRAE/USGBC/IES Addendum *an* (*makes changes to Table 7.5.3, CO₂e Emission Factors*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
43. that BSR/ASHRAE/USGBC/IES Addendum *ao* (*clarifies the requirements for sealing air filter installations*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
44. that BSR/ASHRAE/USGBC/IES Addendum *ap* (*harmonizes requirements in 8.4.1.1, Minimum Sidelighting Effective Aperture with ANSI/ASHRAE/IES 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.

45. that BSR/ASHRAE/USGBC/IES Addendum *at* (*adds deeper thermostat setups and setbacks*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
46. that BSR/ASHRAE/USGBC/IES Addendum *au* (*adds three control requirements for parking lot lighting*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
47. that BSR/ASHRAE/USGBC/IES Addendum *av* (*updates control requirements*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
48. that BSR/ASHRAE/USGBC/IES Addendum *aw* (*product life-cycle assessment*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
49. that BSR/ASHRAE/USGBC/IES Addendum *bb* (*modifies the U-factor requirements for high speed doors*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
50. that BSR/ASHRAE/USGBC/IES Addendum *bc* (*updates the normative and informative references*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
51. that BSR/ASHRAE/USGBC/IES Addendum *bd* (*simplifies fenestration orientation requirements*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
52. that BSR/ASHRAE/USGBC/IES Addendum *bf* (*deletes the criterion for peak electricity use*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
53. that BSR/ASHRAE/USGBC/IES Addendum *bh* (*requires identification of plants*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
54. that BSR/ASHRAE/USGBC/IES Addendum *bi* (*modeling rules for the Performance Option for energy efficiency*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
55. that BSR/ASHRAE/USGBC/IES Addendum *bj* (*creates two optional performance paths for compliance with the energy requirements*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
56. that BSR/ASHRAE/USGBC/IES Addendum *bk* (*adds a fan-efficiency requirement*) to

ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.

57. that BSR/ASHRAE/USGBC/IES Addendum *bm* (*adds more building components*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
58. that BSR/ASHRAE/USGBC/IES Addendum *bn* (*adds a requirement for an automated pre-occupancy outdoor air purge*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
59. that BSR/ASHRAE/USGBC/IES Addendum *bo* (*updates the requirements for economizers*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
60. that BSR/ASHRAE/USGBC/IES Addendum *bp* (*revises language in the exhaust air energy recovery section*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
61. that BSR/ASHRAE/USGBC/IES Addendum *bq* (*updates the efficiency requirements for Electrical-Operated Unitary Air Conditioners and Condensing Units*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
62. that BSR/ASHRAE/USGBC/IES Addendum *br* (*updates the requirements for air and water cooled chillers*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
63. that BSR/ASHRAE/USGBC/IES Addendum *bs* (*revises requirements for Air Conditioners*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
64. that BSR/ASHRAE/USGBC/IES Addendum *bt* (*updates requirements for Gas and Oil Fired Boilers*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
65. that BSR/ASHRAE/USGBC/IES Addendum *bu* (*updates requirements for Water Heating Equipment*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
66. that BSR/ASHRAE/USGBC/IES Addendum *bw* (*updates the Performance Requirements for Heat Rejection Equipment*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
67. that BSR/ASHRAE/USGBC/IES Addendum *bz* (*limits construction vehicle idling*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-*

Performance Green Buildings Except Low-Rise Residential Buildings, be approved for publication.

68. that BSR/ASHRAE/USGBC/IES Addendum *cb* (*new fenestration orientation requirements*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
 69. that BSR/ASHRAE Addendum *b* (*clarifies requirements for water heating test*) to Standard 206-2013, *Method of Testing for Rating of Multi-Purpose Heat Pumps for Residential Space Conditioning and Water Heating*, be approved for publication.
 70. that BSR/ASHRAE Addendum *c* (*corrects editorial errors*) to Standard 206-2013, *Method of Testing for Rating of Multi-Purpose Heat Pumps for Residential Space Conditioning and Water Heating*, be approved for publication.
- that consent motions 71, 74 – 78 of the Technology Council report be approved:
 71. that BSR/ASHRAE Addendum *b* (*gives the same efficiency calculation across particle counters and upstream concentrations*) to ANSI/ASHRAE Standard 52.2-2012, *Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size*, be approved for publication.
 74. that BSR/ASHRAE Addendum *b* (*provides a minimum air flow requirement for existing buildings*) to ANSI/ASHRAE Standard 62.2-2013, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*, be approved for publication.
 75. that BSR/ASHRAE/IESNA Standard 100-2006R, *Energy Efficiency in Existing Buildings*, be approved for publication.
 76. that BSR/ASHRAE/USGBC/IES Addendum *v* (*increases water use stringency*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
 77. that BSR/ASHRAE/USGBC/IES Addendum *al* (*opaque wall assembly requirements*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
 78. that BSR/ASHRAE/USGBC/IES Addendum *as* (*designates an Alternate Renewables Approach*) to ANSI/ASHRAE/USGBC/IES Standard 189.1-2011, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings*, be approved for publication.
 - that BSR/ASHRAE Addendum *a* (*separates vertical air stratification limits for standing vs. seated occupants*) to ANSI/ASHRAE Standard 55-2013, *Thermal Environmental Conditions for Human Occupancy*, be approved for publication.
 - that BSR/ASHRAE Addendum *a* (*provides a definition of floor area*) to ANSI/ASHRAE Standard 62.2-2013, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*, be approved for publication.
 - that the following Title, Purpose, and Scope (TPS) be approved and that a new

Guideline Project Committee be formed:

Title: Guidelines for the Application of Upper-Air (Upper Room) Ultraviolet Germicidal (UV-C) Devices to Control the Transmission of Airborne Pathogens

Purpose: The purpose of this guideline is to provide information and recommendations for dosing, placement and safe usage of Upper-Air UV-C devices.

Scope:

2.1 The guideline shall apply to passive and fan-assisted Upper-Air UV-C devices.

2.2 The guideline shall provide proper commissioning, safety, operating and maintenance procedures of these devices.

- that the following Title, Purpose, and Scope (TPS) be approved and that a new Standard Project Committee be formed:

Title: Method of Test for Lubricant and Refrigerant Miscibility Determination

1.Purpose:

To establish a test procedure to determine the critical solution locus of miscible properties of a lubricant and refrigerant mixture.

2. Scope:

This standard applies to:

2.1. pure component refrigerants and lubricants, and

2.2. multi-component refrigerant and lubricant mixtures.

- that the Procedures for ASHRAE Standards Actions (PASA) be revised as shown in Attachment A of the Technology Council report.

- that the Rules of the Board be modified as indicated:

2.303 TECHNOLOGY COUNCIL

2.303.002 Research Agreements

This council monitors, approves and maintains the "Model Research Agreement" and the "Model Research Co-Funding Memorandum-of-Understanding (MOU)."

2.421 RESEARCH ADMINISTRATION COMMITTEE

2.421.004.5 Model Research Agreements

A. Research contracted by ASHRAE will be conducted under the general framework of the Model Research Agreement. (RAC MOP Appendix A) (12-01-25-24[51])

B. Research contracts that include changes in the Model Research Agreement affecting the type of agreement, cost, publication rights, intellectual property and legal exposure to the Society shall be recommended by the Manager of Research, Director of Technology, Executive Vice President, and, after consultation with legal counsel, approved by the Executive Committee. Other changes may be made at the discretion of the Manager of Research.

(64-10-09-09/88-05-21-51/99-01-28-65/02-06-27-31/07-06-27-32)

C. Collaborative research led by others and co-funded by ASHRAE will be conducted under the general framework of the Model Research Co-Funding Memorandum-of-Understanding (MOU).

2.421.004.7 Awards & Grants (99-01-28-66/07-06-27-33/11-06-29-13)

G. This committee shall have the option to co-fund collaborative research opportunities led by other non-profit organizations up to the annual aggregate limit of \$100,000 in order to help raise the visibility of ASHRAE and leverage the ASHRAE research program. Research of this type will

be conducted under the general framework of the Model Research Co-Funding Memorandum-of-Understanding (MOU). Single co-funding commitments greater than \$25,000 also require approval by Technology Council.

2.421.006 MANUALS AND PROCEDURES

2.421.006.1 This committee is responsible for reviewing, recommending changes and interpreting the following:

A. Model Research Agreement

B. Recommended Qualifications for new RAC Members

C. Research Strategic Plan

D. Model Research Co-Funding Memorandum-of-Understanding (MOU).

3.910 STAFF MANUAL

3.910.007 TECHNOLOGY DEPARTMENT

3.910.007.1 Research Administration

Staff is directed by the BOD, upon recommendation of the Research Administration Committee and Technology Council, to maintain a *Model Research Agreement* and a *Model Research Co-Funding Memorandum-of-Understanding (MOU)* for Technology Council approval with the concurrence of ASHRAE legal counsel. (Model Research Agreement is in RAC MOP, Appendix A and *Model Research Co-Funding Memorandum-of-Understanding (MOU)* is in RAC MOP, Appendix B) (67-02-02-06/84-02-02-33/11-06-29-13)

- that the Board of Directors approve \$15,000 in co-funding be approved for the following research project being led by the Plumbing Efficiency Research Coalition (PERC):
PERC Project Phase 2: Test Plan Proposal to Investigate Drainline Transport in Buildings
- that Technology Council consent motions 83 – 85 be approved:
 - 83. that the Board of Directors approve the revised *Ammonia as a Refrigerant* PD.
 - 84. that the Board of Directors approve the *Indoor Air Quality* PD be revised, with Dennis Stanke as chair of the Position Document committee.
 - 85. that the Board of Directors approve the title, purpose and scope (TPS) for a revised *Indoor Air Quality* PD as shown in Attachment C of the Technology Report
- that the Board of Directors approve the following changes to ROB 1.300 Position Documents and Public Policy Briefs

1.300 Position Documents and Public Policy Briefs

1.300.003 Approval

1.300.003.1 Technology Council recommends publication of Position Documents, including changes, to the Board of Directors for approval.

1.300.003.2 Technology Council approves re-affirmation or withdrawal of Position Documents and reports to the Board of Directors for information.

1.300.003.3 The Board of Directors acts on Technology Council recommendations for publication of active Position Documents (~~new ones under development and existing ones under revision~~).

- that the Board of Directors amends the list of countries policy approved in January 2014 as follows:

A. The Board of Directors implements a policy to follow the United Nation's (U.N.'s) States Department of State list of countries, if an issue arises regarding the sovereignty of a geographic area. (14-01-22-06)

- that the Board of Directors approve the following changes to the Rules of the Board, effective January 1, 2015.

3.300.005 APPOINTMENTS

A. Standing Committees

1. Unless otherwise provided, the committee members and the respective Chairs thereof shall be selected by the President-Elect in advance of the Annual Meeting and be confirmed by the President-Elect when he/she takes office as President, with the approval of the Board of Directors at the first meeting called after the report on the election. (SBL 7.2)

2. The selection procedure for each standing committee, which is not directly elected by the Board of Directors is as follows: The Council vice chairs will meet with the Council ExOs by the Winter Meeting to discuss committee leadership and succession planning. They will create a proposed list of leadership personnel, which they will then share with the President-Elect. In the Spring, the President-Elect, the Treasurer and the Treasurer-Elect will meet with the Council vice chairs, who may attend (either virtually or in person), to provide input on succession planning, appointments and ExOs to standing committees and to assist the President-Elect in the final selections. At least two months prior to the Annual Meeting, the President-Elect shall submit recommended appointments of standing committees and their respective Chairs and vice Chairs to the Board of Directors. Appointees shall be invited to attend any meetings of their committees that may be called during the Annual Meeting. (65-07-04-23/95-01-29-05/05-02-06-12/05-06-26-21)