

TC 1.2 – Instruments and Measurements

Meeting Minutes - Main Committee Meeting

1:00 – 3:30 PM, January 26, 2016; Orlando Hilton Room: Spring Lake

I. Call to order/introductions/establish quorum: Frank Spevak

5 of 6 voting members are present. Quorum was established.

3 YEA members present.

Attendance is included as a spreadsheet at the end of the meeting minutes.

Attendance:

VM: Terry Beck, Frank Spevak, James Schaefer¹, David Yuill, Jim Douglas.

CM: Stephen Wage¹, Connor Hayes, Steve Idem, Hongmei Liang, Craig Bradshaw

Guests: Robert Moss, Michelle Patrick, M. Tauha Ali

II. Review of agenda

Frank reviewed the agenda.

III. Review and approval of minutes from Seattle meeting

Motion to approve minutes by Mike Wegenka and seconded by Steve Idem. Motion carried: (5-0-0-1 Chair voting).

IV. TC Chair's breakfast –Frank Spevak

ASHRAE is working on a web based activity and roster change. Frank has signed our TC up.

No nominations for two of the major recognition awards were submitted to ASHRAE.

Since Atlanta ASHRAE has formed four task groups one of which we will qualify for.

ASHRAE needs volunteers as liasons. Anyone interested should contact Mike Vaughn.

They requested that all TC update their websites and maintain them after the meeting.

V. Liaison reports

Section head: Amir Jokar came and requested that we give him any comments to take back to the Section head meeting on Wednesday.

He went over several of the same issues that Frank had discussed.

Frank asked information about the request that CEC had about the bio form

VI. Standards – Jim Douglas

Jim gave a report on SSPC 41 and SPC 23.1R. A written report is included as an Appendix B to these minutes.

¹ YEA member

Guideline 2 discussion was brought up. Frank said we could ask for Guideline 2 to be reaffirmed or withdrawn. If we agreed to revise we would need to form a committee to work on the process. There is a lot of similarity to PTC19.1 John Scott made a motion to reaffirm Guideline 2 and Steve Idem seconded. Vote for 5,0,0,1 Chair voting. Frank will submit the proper paperwork to reaffirm for ASHRAE.

Later in the discussion it was noted that Guideline 2 was reaffirm in 2014 so we have some time to review this subject in more detail and have an additional discussion in St. Louis.

VII. Handbook – Terry Beck

Approved form must be submitted by May 31, 2016. Terry would like revisions done by the end of 2015 so that we can vote in Orlando.

Meeting was held on Monday and the Handbook was basically finished. A few additional comments are under review to be changed/ added in the next two weeks.

A letter ballot will be sent out to approve the Handbook.

VIII. Research – Frank Spevak

Frank gave a report on the research subcommittee chairs' breakfast. A written report is appended to these minutes in Appendix A.

IX. Programs Subcommittee Chair's report – Steve Idem

Steve Idem reported that we would have a 95% chance that we will have two papers for the St. Louis meeting. Title: ASHRAE Research: Air Flow and Ducts written from the work done in RP-1245.

X. Membership – Frank Spevak gave the update.

Terry Beck and David Yuill will roll off on July 1 and Steve Idem will roll on. We will then have 6 voting members.

We received a requested from James Schaefer as a voting member. We will move James to a Corresponding member. We will request David Yuill to become a voting member in July. John Neil is also requesting voting membership. This would get us to 7 voting members. Three people have requested to be corresponding members. A discussion was done about having some interested people apply for non-quorum voting membership.

The move John Scott to non-quorum member and added Craig Bradshaw as a non-quorum member.

Huojun Yang also requested membership as a voting member. 7 members

Two YEA members were present at the meeting.

XI. Website status report – Frank Spevak

ASHRAE is updating the tools for websites to automate some of it and make it an online format instead of needing specialized software.
Our recent documents have not been posted but Frank assured the group that this would be done soon.

XII. New/unfinished business

None.

XIII. Adjourned

Meeting concluded at 2:50 PM

Appendix A: Research Report – Frank Spevak

Research Subcommittee Chair Breakfast – January 2016

RAC Vice Chair Art Geisler reported the following:

RAC to look into more Applied Research. Also when RAC has “excess” qualified research projects that they be presented to Tech Council for possible endorsement and then dip into the reserve fund so that projects can move forward more quickly. RAC is also looking into possibly allocating funds on Research funds for post project processing. Funds might be used for transitioning basic research into more applied results, produce tools or presentations that would provide more value to ASHRAE members.

A Presidential AdHoc Impact of ASHRAE on society MTG was approved.

ASHRAE looking for more concrete ways in which ASHTRAE has made an impact and how that might be improved.

Work Statement template has been modified.

All of the training material on the website is being reviewed.

RAC reported that AHRI will begin their Flammable Refrigerant Research initiative. Related to the environmental and regulatory concerns of refrigerants.

Honors and Awards –

Service to ASHRAE Research recommendations due September 30

Homer Adams Award nominations due Dec 15

Some awards for New Investigators Award and Grant-In-Aid are not being fully utilized.

RTAR/WS Summary

9 RTARS considered – 5 accepted with comment, 4 rejected

4 Work Statements considered – 1 accepted, 1 accepted conditionally, 1 returned and another not acted on as incomplete

When something is conditionally accepted provide a cover letter of how the comments were addressed.

When co-sponsoring all co-sponsoring TCs should be provided input to the RTAR and WS development.

When there are abstentions and negative votes, provide the reasons for them.

It is the responsibility of the Research Subcommittee Chair to know what can and cannot be done and to convey that to the TC and the PMS.

Appendix B – Standards Subcommittee Report – Jim Douglas

Subcommittee 41.1, Standard Methods for Temperature Measurement – P. Collins

Rick reported in Pat Collins absence. 41.1-2013 is due for periodic maintenance. We need to recommend Reaffirmation, Revision, or Withdrawal. This standard does not meet the requirements for Reaffirmation and Withdrawal is not being considered.

Motion: Rick made the motion. Seconded by John Scott *Recommend that ASHRAE Standards Committee form a revision project subcommittee (41.1-2013R) with this Chair and Members (names to be added during the meeting)*

Motion was made by Rick Hall and seconded. The motion was approved (11,0,0,5) No one volunteered to be the chairman so Pat Collins will remain as chairman. New members include: Michael Perevozchikov, Chris Stone, Lloyd Le, Michael Shows, Kevin Amende, and Hongmei Liang

Subcommittee 41.2, Standard Methods of Air Velocity and Airflow Measurement – T. Beck

There were no substantive comments during the first public review of 41.2, so ASHRAE staff will prepare the draft for the publication of 41.2-2016.

Subcommittee 41.3, Standard Methods for Pressure Measurement – F. Spevak

41.3-2014 is published and will be due for periodic maintenance in January 2017.

Subcommittee 41.4, Standard Methods for Measurement of Proportion of Lubricant in Liquid Refrigerant – J. Douglas

41.4-2015 is published and will be due for periodic maintenance in January 2018.

Subcommittee 41.6, Standard Methods for Humidity Measurement – P. Collins

41.6-2014 is published and will be due for periodic maintenance in January 2017.

Subcommittee 41.7, Standard Methods for Gas Flow Measurement – J. Scott

41.7-2015 is published.

Subcommittee 41.8, Standard Methods for Liquid Flow Measurement – J. Scott

There were no substantive comments during the first public review of 41.8, so ASHRAE staff will prepare the draft for the publication of 41.8-2016.

Subcommittee 41.9, Standard Methods for Refrigerant Mass Flow Measurement Using Calorimeters – Michael Perevozchikov

The 41.9 revision subcommittee committee will meet on Monday, January 2, from 8 am until noon in the Maitland room on the lobby

level of the Hilton. Revision work is progressing. New members are always welcomed.

Subcommittee 41.10, Standard Methods for Refrigerant Mass Flow Measurement Using Flowmeters – R. Hall

41.10-2013 is due for periodic maintenance. We need to recommend Reaffirmation, Revision, or Withdrawal. This standard does not meet the requirements for Reaffirmation and Withdrawal is not being considered.

Motion: *Recommend that ASHRAE Standards Committee form a revision project subcommittee (41.10-2013R) with Rick Hall as Chair and Members (names to be added during the meeting).*

Motion was made by Rick Hall and seconded by Mike Perevozchikov. Motion was approved (11,0,0,5). Rick Hall will be the chairman and new members will include John Scott, Hongmai Liang, Jim Douglas, Michael Shows, Mike Wegenka, Chris Stone, and John Neel

Subcommittee 41.11, Standard Methods for Power Measurement – R. Hall

41.11-2014 is published and will be due for periodic maintenance in January 2017.

Subcommittee 41.12, Standard Methods for Uncertainty Analyses – P. Collins

Subcommittee 41.12 has reached a consensus that all efforts to develop a new Standard Methods for Uncertainty Analyses should be discontinued while recommending that ASME PTC 19.1 should be used and cited by all ASHRAE standards that include uncertainty analysis. A letter ballot recommending that the 41.12 subcommittee discontinue work was sent on November 10 closed on December 11. No 41.12 meeting is planned at Orlando. An update on this will be provided during the meeting.

Summary of 41-Series Standards Development – R. Hall

Since ASHRAE authorized the formation of SSPC 41 in 2005:

8 standards have been published (41.1, 41.3, 41.4, 41.6, 41.7, 41.9, 41.10, and 41.11)

2 standards (41.2 and 41.8) are in the process of being published

1 standard (41.12) has been approved to be disbanded

Subcommittee SPC 23.1R, Margaret Mathison, Chair, Methods of Testing for Performance Rating Positive Displacement Refrigerant Compressors and Condensing Units That Operate at Subcritical Pressures of the Refrigerant

- The subcommittee met on Monday afternoon and made progress on the standard and has at least two interim meetings planned to be held prior to the Summer meeting in St. Louis. The proposed date for the PPR1 draft of January 2016 as moved to the summer meeting in St. Louis 2016.

