

**These minutes were approved "as is" (no changes) at the
27-Jun-2016 meeting in St Louis. Ignore the "DRAFT" watermark.**

ASHRAE TC 8.3 Absorption and Heat Operated Machines

Meeting Minutes

Monday, January 25, 2016

Winter Meeting – Orlando, FL

1. TC8.3 Chair Rajesh Dixit called the meeting to order at 3.35 pm, and asked for members and visitors to sign the attendance sheet and give their introductions. Rajesh also acknowledged the Section 8 Head Dustin Meredith.
2. Six voting members and one member non-quorum (MNQ) present. TC8.3 has 7 voting members, so with one MNQ present, a quorum is 4 $[(7+1)/2]$. Therefore, a quorum was established for the meeting. The voting members present were: Rajesh Dixit, Ersin Gercek, Kyle Gluesenkamp, Paul Sarkisian, Richard Sweetser and Tim Wagner; the member non-quorum present was Jurgen Scharfe. The member non-quorum absent was Gershon Grossman. In addition to the voting members, ten corresponding members and nine guests were also present.
3. Rajesh Dixit read the statement of purpose for TC 8.3.
4. Rich Sweetser moved that the minutes from the annual meeting in Atlanta be accepted as submitted. Tim Wagner seconded the motion. The motion was accepted (6, 0, 0 CNV).
5. Subcommittee reports were presented:
 - a. Standards: Jay Kohler presented the report. The SPC required to update ASHRAE Standard 182: Method of Test for Absorption Chillers has begun meeting. There are currently six members: Jay (Chair), Rupal, Paul, Kyle, Dennis and Ken. The membership may need to be adjusted to satisfy the required balanced representation. Four web meetings are scheduled before the next full TC8.3 meeting. Standard 182 is aligned with AHRI 560:2000. The plan is for AHRI to adopt ASHRAE's method of test. The SPC meets at the ASHRAE conferences on Monday mornings from 8:00-12:00. **It was recommended that the SPC consider whether the method of test should cover thermally activated heat pumps.**

No activity as such for Standard 40.
 - b. Research: Uwe Rockenfeller presented the subcommittee report, including a review of the subcommittee minutes from the Atlanta meeting and a report based upon the subcommittee meeting held immediately prior to the TC meeting. It was noted that the research project TRP 1462 (Active Mechanisms for Enhancing Heat and Mass Transfer in Sorption Applications) was closed out at the last meeting. Tim Wagner made a motion to accept and submit the proposed RTAR Application Guide for Absorption Chillers. Ersin Gercek seconded the motion. During the discussion, the motion was amended with a revised title: Design Guide

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for Absorption Chillers and Heat Pumps. The motion passed (7-0-0 CV). Paul Sarkisian will submit the RTAR to RAC. Jurgen Scharfe agreed to further the effort.

There was no progress on the RTAR development: “**Simulation Studies in Absorption and Co-generation Applications to Buildings**”. Bill Ryan who had volunteered to lead the draft effort was not present.

Uwe presented the idea that given fuel prices and market conditions, an RTAR for a “**Design Guide for Thermally Activated Heat Pumps**” might be accepted by RAC. Tim Wagner volunteered to draft an RTAR for this.

- c. Website: Ken Schultz reported that ASHRAE has provided a new template for the website that is easier to use. Everyone is encouraged to check out the new website.
- d. Programs: Ersin Gercek reported on the session sponsored by TC8.3: “**Modern Absorption Systems and Application for Both Cooling and Heating**” presented by Doug Davis and Rajesh Dixit. It was very well attended and the audience asked several good questions.

The deadline for submitting Seminar proposals for St. Louis is February 8th, 2016. Rich Sweetser made a motion to sponsor a seminar titled “**Innovative Absorption System Applications for Both Heating and Cooling.**” Kyle Gluesenkamp seconded the motion and it passed (6-0-0 CNV).

A representative from TC9.08 (John Karakash) asked for TC8.3 to co-sponsor a seminar with a working title of “**Biomass based heating and cooling for resilient and sustainable buildings**” under Track # 8 ‘Renewable Energy Systems and Net Zero Building’. Kyle Gluesenkamp made the motion to co-sponsor and Rich Sweetser seconded it. The motion passed (6-0-0 CNV).

- e. Handbook: Reinhard Radermacher was not present due to weather-related flight cancellations. Based on a draft circulated prior to the meeting, Tim Wagner moved that the revised Fundamentals Chapter 2, Thermodynamics and Refrigeration Cycles, be accepted. Rich Sweetser seconded the motion and it was passed (7-0-0 CV).

6. Rajesh Dixit presented the Chairman’s Overview and Report.

- a. Steve Duda was the recipient of the 2015-2016 Hightower Award (TC 4.3, TC 9.1)
- b. 2015-2016 Service to ASHRAE Research Award Recipient - None
- c. TC8.3 needs a Vice Chair who is willing to become Chair when Rajesh’s term ends on June 30 2016. Kyle Gluesenkamp volunteered for this position.
- d. There were no volunteers for the Secretary position during the meeting.

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- e. A new Multidisciplinary Task Group (**MTG**) has been formed – MTG.ASEC – Avoided Source Energy Consumption Due to Waste Heat Recovery and Heat Pump Technologies. The chair of this MTG is Cary Smith. It was noted that TC8.3 should provide a liaison for this MTG. Joe Brillhart volunteered for it.
- f. **Bias Disclosure:** Starting at the 2016 Annual Meeting in St. Louis, speakers will be asked to fill out a potential sources bias disclosure document that will note an affiliations/involvement with any organizations with financial or commercial interest in the subject matter to be discussed, in accordance with the ASHRAE code of ethics.

A procedure will be implemented with Las Vegas in 2017 for all papers presentations to provide a source of potential bias. A form will be required when abstracts are submitted, but will not be part of abstract approval or paper approval. Bias will be disclosed on all published papers and presentations. Author's will be required to provide this information and is to be included by the authors with submissions and presentations.

- g. The eight tracks for St. Louis, MO 2016 annual conference were announced
 - h. 2017 Winter Conference will be in Las Vegas with eight tracks
- 7. Old Business: Richard Sweetser reported on the ongoing issue of site vs. source energy in **Standard 100** Energy Efficiency in Existing Buildings. Rajesh Dixit has mentioned this concern on the TC 8.3 activity form.
 - 8. New business: Concern was raised over the rumor that ASHRAE will require a Bias Disclosure Statement in future meetings.
 - 9. The next meeting will be held on Monday June 27th, 2016 in St. Louis, MO.
 - 10. Richard Sweetser moved that the meeting be adjourned. Kyle Gluesenkamp seconded the motion and it was approved (6, 0, 0 CNV). The meeting was adjourned at approximately 5.10 pm.