

## **ASHRAE TC 8.3 Absorption and Heat Operated Machines**

### **Meeting Minutes**

Monday, January 26, 2018

Winter Meeting – Chicago, IL

1. *TC8.3 Chair Kyle Gluesenkamp called the meeting to order at 3.30 pm, and asked for members and visitors to introduce themselves affiliations and / or committee positions and sign the attendance sheet. He read and reiterated the need for adherence to the 'Code of Ethics' (Audio recording ending 00:03:36 hh:mm:ss). Kyle also acknowledged Dustin Meredith (Section Head 8.0) who attended later during the meeting.*
2. *Quorum: TC8.3 has 11 voting members. The voting members present were: Kyle Gluesenkamp, Doug Davis, Uwe Rockenfeller, William Ryan, Rajesh Dixit, , Kumar Sivagnanam, Eric Smith, Timothy Wagner and Juergen Scharfe -VMNQ (9 of 11 voting members). Gershon Grossman -VMNQ, Donald Erikson -VM were absent. Therefore, a quorum (9 of 10) was established for the meeting. Both Rajesh & Kyle will be rolling off in June 2018. New voting members will be Reinhard Rademacher & Patrick Geoghegan (Chair to be). (Audio1 recording ending 00:06:00).*
3. *Kumar Sivagnanam read the statement of purpose for TC 8.03. Kyle asked if the committee's purpose needs to be changed. After detailed discussions it was determined that the scope of TC 8.3 be kept as is. The discussion to possibly consider changing the TC's title be changed to "Heat Operated Heat Pumps, Chillers and Refrigeration" at a future meeting. Dustin Meredith mentioned that the committee should route the title change request through him which will then go through TAC. (Audio2 recording ending 00:13:09).*
4. *Uwe moved that the minutes from the summer meeting be accepted. Kumar seconded the motion. The motion was accepted (9, 0, 0 CV). (Audio2 recording ending 00:15:35)*
5. *Subcommittee reports were presented:*
  - a. *Standards: Jay Kohler (sub-committee chair) mentioned two standards 40 & 182. He reported that 182 (Absorption Chillers) has been held up previously. An SPC had met that morning to look at the revisions to 182. Now that ASHRAE 30 (Method of testing vapor compression machines) was holding progress but can now be moved along. AHRI 560 uses std 30. (Audio2 recording ending 00:19:19).*

*ASHRAE Standard 40 (Method for rating heat operated unitary air conditioning and heat pump equipment), which is affected by ANSI standards being updated. Jay was asked to communicate to the*

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*team whether the standard 20 be revised, reaffirmed or withdrawn. The committee was informed that calculation errors needed to be corrected. Chris agreed to forward corrections to Jay who will get it to SRS. A sub-committee will need to be formed to invite additional chapters. This was an action item set for the Houston meeting -June 2018. (Audio2 recording ending 00:31:05).*

- b. *Programs: Bill Ryan (sub-committee chair) reported that the TC has a seminar 63 “Challenges in heat and mass exchange for absorption systems” on Wednesday. For Houston 4 seminars in a row were proposed and with the title to be changed to “Future of Thermal Cooling to Support Resilient CHP Systems” Motion by Kumar, seconded by Rajesh was accepted (9, 0, 0 CV). (Audio2 recording ending 00:39:28).*

*In the tracks for Atlanta Bill Ryan suggested the TC to be a co-sponsor to TCs 6.2, 6.9 and 1.10 seminars. The motion by Bill Ryan, seconded by Tim Wagner was accepted (9, 0, 0 CV). (Audio2 recording ending 00:40:18).*

*Refrigeration or Building Integrated Renewables were suggested as tracks, but the committee decided to wait for suggestions in the future. (Audio2 recording ending 00:51:23).*

- c. *Research: Uwe Rockenfeller (Sub-committee chair) reported the sub-committee had met earlier in the day. He stated that RTAR (# 1796) titled ‘Design Guide for Absorption Chillers and Heat Pumps’ has a May 15 is the deadline otherwise it would expire. Tim Wagner agreed to pick it up since not much has moved. No voting was required. (Audio2 recording ending 00:53:55).*

*The RTAR “Cogen, Tri-generation Tools for Building Design” was approved subject to a few changes. Patrick & David agreed to pursue the RTAR as an opportunity to move it towards a work statement by May 15. (Audio2 recording ending 00:55:05).*

*Other business: In the sub-committee meeting Rajesh had suggested “Absorption Heat Pumps”; “Use of Li-Br for Refrigeration Systems” as research topics. Jurgen suggested a “District Heating Co-gen Heat Pump Design Guide” Rajesh agreed to assist. Kyle suggested corrosion as another topic (Audio2 recording ending 00:58:xx).*

***Refer to his meeting minutes for details.***

*Rajesh agreed to contact Steve Comstock ([scomstock@ashare.org](mailto:scomstock@ashare.org)) and Mark Owen ([mowen@ashare.org](mailto:mowen@ashare.org)) about changes to publications that they are working on.*

*A suggestion was made to study equipment scale (small to moderate at the building level), with respect to economics. John Karakash will write up and forward to Uwe. (Audio2 recording ending 01:11:00).*

- d. Handbook: Juergen (Sub-committee chair) reported that the equipment handbook has been accepted. Proof reading will begin in March. Juergen suggested adding a short section on District Heating & Cooling thereby assisting TC 6.2 for the 2019 edition of the handbook. No voting was necessary. (Audio2 recording ending 01:16:15).*
- e. Membership: Doug Davis (Sub-committee chair) reported that membership is growing as evidenced by higher attendance at this meeting. Kyle reminded non-members in the room that it is easy apply for corresponding member status via the website. A suggestions was made to encourage participants or manufacturers in other affiliated sub-committees to join the TC. Doug agreed to work on that. (Audio2 recording ending 01:17:38).*
- f. Website: Kyle reported that Ken has been taking care of the website and he is willing to continue or relinquish his role if anybody else wanted the position. As no others expressed a desire Ken, will continue as web master. (Audio2 recording ending 01:17:38).*

*6. Kyle Gluesenkamp presented the Chairman's Overview and Report.*

- a. Kyle recognized and thanked Rajesh Dixit for his excellent leadership and membership drive as the previous chair of the committee.*
- b. He also recognized and congratulated Jay Kohler for his award as an "ASHRAE Fellow".*
- c. Kyle reminded all that if somebody could not attend a meeting that remote participation meeting (RPM) was a means of attending remotely and that the deadline for making a request was Apr 19<sup>th</sup>, 2018 for Houston. Kyle agreed to submit a request for RPM for Houston.*
- d. He stated that Technical Activities Committee (TAC) which oversees us encouraging us to appoint liaisons to Multi-Disciplinary Task Groups (MTG) that are relevant to our subject area. See page 112 of the Program Guide. John Karakash is the liaison to TRG 9 (Cold Climate) and HCDG.*

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e. *The TAC is looking if we would co-sponsor a track for “Optimization in HVAC&R” a year from the Houston conference. A motion to co-sponsor by Kyle seconded by Reinhard was passed (8, 0, 0 CV). Bill Ryan had left at 4:40pm (Audio2 recording ending 01:32:24).*

f. *Old Business: None.*

g. *New Business: None.*

7. *The next meeting will be held on Monday June 25<sup>th</sup>, 2018 in Houston, TX.*

8. *Kyle moved that the meeting be adjourned. Juergen seconded the motion and it was passed (8, 0, 0 CV). The meeting was adjourned at approximately 4:50 pm. (Audio2 recording ending 1:36:46)*

*Duration of recordings*

1: (0:07:09)

(there was a brief period of time in-between, when recording had failed)

2: (1:37:36)

***ATTENDANCE SIGN-IN SHEET:***

*(see accompanying PDF)*

***Distribution: All current emails in the roster.***

TC 8-03

ASHRAE (CHICAGO)  
JAN 22, 2018

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