



MINUTES

DRAFT

TECHNICAL COMMITTEE 8.10

Mechanical and Desiccant Dehumidification Equipment,

Heat Pipes and Components

2023 Winter Meeting

February 07, 2023

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



180 Technology Parkway NW, Peachtree Corners, GA 30092

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DRAFT

TC/TG/MTG/TRG MINUTES COVER SHEET

(Minutes of all Meetings are to be distributed to all persons listed below within 60 days following the meeting.)

TC/TG/MTG/TRG No. TC 8.10 DATE 02/07/2023

TC/TG/MTG/TRG TITLE Mechanical and Desiccant Dehumidification Equipment, Heat Pipes and Components

DATE OF MEETING 02/07/2023 LOCATION Atlanta, GA

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Peter Luttk		Wayne Caudle		
Kevin Muldoon		John Murphy		
Jim Piscopo		James Bogart		
Eric Kozubal				
Onieluan Tamunobere				
Craig Burg				
Darrell Sandlin				
Gayle Davis				

DISTRIBUTION: All Members of TC/TG/MTG/TRG plus the following:

TAC Section Head:	SHx@ashrae.net Where x is the section number
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters (Research, Standards, ALI, etc.)	See ASHRAE email alias list for needed addresses.
Steve Hammerling, Assistant Manager of Research & Technical Services	AMORTS@ashrae.net

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Call to order & Introductions: Chair, Peter Luttik

1. Meeting called to order at 1:08 pm local time.
2. Peter reiterated the ASHRAE Code of Ethics “In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests”
3. All in attendance provided brief introduction.
4. Roll call – 9 of 11 voting members present, quorum is met.
5. John Murphy is retiring, Ronnie Moffitt will replace him.
6. Onieluan Tamunobere – motion to nominate John Murphy for an award, second by Kevin Muldoon.
 - a. What award? TBD but looking for support from TC
 - b. When? Possibly annual meeting.
 - c. Motion passes 9-0-0 chair voting

Liaisons

1. RAC - Not present
2. 198 – No update
3. MTG – meets after 8.10
4. Decarbonization Task Force - Peter trying to stay in touch, they had his name spelled wrong in his email and was not copied on communications.
5. Standard 241 - Codifying pandemic material into a standard, Bill Bahnfleth leading effort, no update.
6. Government Affairs – Peter in touch to strengthen communication with utilities to support DOAS.
7. TC 1.12 Humidity in Buildings, determines what humidity does to buildings cooperating on several efforts.
8. Standard 205 – performance mapping standard for AHU, keeping track of what they are doing and when it would be appropriate for them to expand to DOAS systems.
9. 62.2 – new guidelines, Peter talking with equipment group. Potential input from TC8.10 on increased ventilation requirements.

Programs - Onieluan Tamunobere

1. Successful program at this conference, thank you to presenters.
2. Potential topic for Annual meeting in Tampa on desiccant dehumidification. Need to submit abstract by end of month. Tam motion to proceed, Eric Kozubal second, motion passes 9-0-0 cv.
3. Ronnie Moffitt may have heat pump DOAS topic for future, not enough material for full seminar alone, looking for other contributors.

Handbook – Ralph Kittler

1. 4 chapters need to be voted on and submitted by summer, handbook asking if we can do them as soon as possible and not all at once at the end.
 - a. DOAS, Systems and Equipment Chapter 51 – minor changes, should be ready to vote on now, could do letter ballot in next couple of weeks.
 - b. Mechanical dehumidifiers, Systems and Equipment Chapter 25 – adding information on indoor agriculture, suggest letter ballot before summer.
 - c. Desiccant dehumidifier, Systems and Equipment Chapter 24 – Chapter is very old, Saeed Moghaddam adding information on latest liquid desiccants available. Anyone with additional edits should reach out to Saeed. He already started talking to people. Trying to get some updates for summer but this chapter will likely need additional work and changes can be submitted to update the online version of the chapter in between published versions.
 - d. Sorbents and Desiccants, Fundamentals Chapter 32 – done, needs work on graphics and references.
2. Tam motion to approve revisions to DOAS chapter and submit, second by Craig Burg. No discussion. Motion passes 9-0-0 cv.
3. Gayle Davis – Has chapter 32 revision been circulated? Peter – only to voting members. Will circulate and do letter ballot.

Research – Alois Malik

1. WS 1566 – went out to bid, no bids received, will contact bidders to understand reason.
2. Co-sponsor 1901 with TC 2.2, there were 3 updates required to the RTAR, still pending.
3. DOAS DCV RTAR submitted in spring and refused. Lengthy discussion of this RTAR took place in sub-committee meeting. Workgroup will be created to further discuss and defined what we want to get out of this research.
4. Co-sponsor RTAR with TC 1.12 on max humidity levels. Specific to desiccants that humidify in heating mode. Also in touch with TC 5.11 on topic. Vote will probably be at annual meeting.
5. Ronnie Moffitt – FYI to the committee...RTAR 1799 by TC 5.5 is complete to show that scaled testing of air-to-air energy recovery devices is an acceptable method to extrapolate performance.

Standards, Craig Burg

1. Words of recognition for John Murphy's work related to the TC
2. SPC 198 – in process of being updated. Will likely go for public review later this year. Connect with Craig if you have interest in reviewing.
3. Standard 190 – pending reaffirmation by 7/31/23. Minor updates required, David Baird and Alois Malik to help with revisions. Interim meeting before annual, TC to vote at annual.
4. Standard 174 – we voted to reaffirm at previous meeting
5. Reaffirmed 139 in previous meeting
6. Committee is interested in whether these standards are still in use before next reaffirmation. If not, maybe time to sunset or develop more relevant standard.
7. AHRI performance standard for wrap-around heat pipes is on hold
8. Luttik – Standard 241 led by Bill Bahnfleth, would like a liaison to that committee.

Website, Gayle Davis

1. Up to date with everything that has been sent to Gayle

Other Business

1. Annual meeting minutes – table approval until next meeting
2. Chee Sheng Ow – handbook liaison – looking for updates
 - a. Ralph Kittler, Chapter 32 of fundamentals...who is cognizant TC...Chee to follow-up.
3. Peter circulated some updated objectives for the TC. Looking for comments or other suggestions. Look to discuss and vote at Tampa annual meeting. David ran through objectives and group provided feedback. Peter will schedule interim meeting specific to this topic.
4. Kevin Muldoon, motion to adjourn, second by Eric Kozubal, meeting adjourned at 3:02 pm local time.