



# **TC 8.10-Mechanical Dehumidification Equipment/Heat Pipes Main Committee Meeting Agenda for ASHRAE Winter Conference Meeting 2020 Orlando, FL**

**Date:** Tuesday – February 4, 2020

**Place:** Hilton Orlando, Florida

**Time:** TC 8.10 Main Committee Meeting – Mechanical Dehumidification Equipment & Heat Pipes  
3:30 PM to 5:00 PM  
Hilton Orlando, L, Lake Florence B

**Note:** TC 8.10 Sub-Committee Meetings - Program/Handbook/Research/Standards  
1:00 PM to 3:30 PM  
Hilton Orlando, L, Lake Florence B

**Items:** Related to TC 8 .10

**SPC 190** - Method of Testing for Rating Indoor Pool Dehumidifiers – **Will Not Meet**

**SPC 198** - Method of Test for Rating DX-Dedicated Outdoor Air Systems for Moisture Removal  
Capacity and Moisture Removal Efficiency

**Sunday, February 2, 12:00 PM to 2:00 PM**

**Hilton Orlando, L, Lake Highland A**

**Seminar 40:** De-Mystifying Direct-Expansion Dedicated Outdoor Air Systems Performance  
Program Track – Systems and Equipment

**Tuesday, February 4, 8:00 AM to 9:30 AM**

**Hilton Orlando, LL, Orange E**

*Note: Within TC 8.10, we discuss research, handbook, and program activities during one combined subcommittee meeting. Voting members are strongly encouraged to attend the subcommittee meeting. Corresponding members and guests are welcome.*

*Scope of TC 8.10: is concerned with mechanical dehumidification equipment and heat pipes and their design performance, applications, and features.*

*Since most of the subcommittee meeting has been allocated to the discussion of a specific research project topic, much of the discussion and action for Programs, Handbook, Standards, and other Research will take place at the main committee meeting.*

**Call to order & Introductions: Chair, Randy Schrecengost**

1. Meeting called to order at:
2. Brief introductions

**ASHRAE Code of Ethics, Chair, Randy Schrecengost**

“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”.



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**Determination of Quorum - Chair, Randy Schrecengost**

1. Majority of voting members must be present

**Membership/Roster: Webmaster/Membership Subcommittee Chair, Gayle Davis (12/28/18)**

1. Leadership: 8 voting, 1 non-voting – as of 01-05-2020.
2. 69 total members, 51 Corresponding & 13 Provisional Corresponding, Miscellaneous Others: 5
  - a. To become a Provisional corresponding member - please sign-up online
  - b. Chair has discretion to convert a provisional corresponding member to a corresponding member before 2 years

**Request for Approval of Atlanta Minutes – Secretary, Kevin Muldoon**

1. Modifications?

**Request for Any Additions to Current Agenda**

1. Any?

**Section 8 Meeting Report - Chair, Randy Schrecengost, Vice-Chair, David Baird**

1. Discussion of items from meeting to occur
2. When “Awards Nominations” are due
3. Deadlines for programs discussed and addressed in Programs report
4. TC opportunities for tracks

**Liaisons:**

|                     |                     |
|---------------------|---------------------|
| <b>Section Head</b> | Kevin Mercer        |
| <b>TAC Chair</b>    | Jay Kohler          |
| <b>Handbook</b>     | Steven Sill         |
| <b>Research</b>     | Christopher Seeton  |
| <b>Standard</b>     | Srinivas Katipamula |
| <b>Staff</b>        | Steven Hammerling   |

*As Liaisons might not be available at the beginning of the meeting, we will provide them the opportunity to address as they enter following the item on the agenda.*

1. Section Head
  - a. Items?
2. Research Chair
  - a. Items?
3. Others?



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## **Subcommittee Reports:**

### **Programs – Program Sub-Committee Chair, Onieluan (Tam) Tamunobere**

1. Summarize and update TC on seminar / program proposal for the Orlando meeting.
2. Other Updates

### **Handbook - Handbook Sub-Committee Chair, Ralph Kittler**

1. Updates
2. Other Items?

### **Research - Research Sub-Committee Chair, Alois Malik**

1. New Updated RTAR 1566 - “Equations to Estimate Evaporation Rates from Wetted Surfaces”
  - a. 1566-TRP-C shall be released for Bid in spring 2020.
2. Other Items?

### **Standards - Standards Sub-Committee Chair, Craig Burg**

1. ASHRAE Standard 190-2013, Method of Test for Rating Indoor Pool Dehumidifiers
  - a. No additional meeting scheduled.
  - b. Update
2. ASHRAE Standard 198-2013, Method of Test for Rating DX-Dedicated Outdoor Air Systems for Moisture Removal Capacity and Moisture Removal Efficiency
  - a. Meeting will take place on Sunday, February 02, 2020, 12:00-2:00 pm at Hilton Orlando, L, Lake Highland A
  - b. Update

### **TC Web Site – TC Webmaster, Gayle Davis**

1. Items?
2. Updated with minutes. Documents, etc.

### **Other Business**

1. Group Questions/Discussions:
  - a. Should our TC have / generate any action items related to low GWP refrigerants, particularly flammable refrigerants?
  - b. Merger with TC 8.12 - Desiccant Dehumidification Equipment and Components (see Attachment A)
2. ASHRAE’s Functional Group (FG) combinations discussions (Attachment B)

### **Motion to Adjourn**



**TC 8.10-Mechanical Dehumidification Equipment/Heat Pipes  
Subcommittees' Meetings Agenda for  
ASHRAE Winter Conference Meeting 2020  
Orlando, FL**

**ATTACHMENT A**

**TC 8.10 SUBCOMMITTEE  
FROM TELECONFERENCE OF JANUARY 08, 2020**

Present \*\*:

Randy Schrecengost, Chair TC 8.10  
Kevin Muldoon – Secretary TC 8.10  
Craig Burg - Standards SC Chair TC 8.10  
Tam Onieluan – Program SC Chair TC 8.10  
Mark Piegay – Chair TC 8.12  
Perter Luttk – Vice Chair / Research SC Chair TC 8.12

Staff / Liaisons:

Kevin Mercer – Section 8 Head

\*\* Apologies to anyone I missed on the call.

**Background:** A very brief discussions occurred regarding the merger of TC 8.10 & TC 8.12 with supplemental notes below taken from a follow-up email from Section 8 Head Kevin Mercer.

**Current Official names of both TCs:**

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TC 8.12 Desiccant Dehumidification Equipment and Components

**A proposed (& only one suggestion) for a new name:**

TC 8.xx Mechanical and Desiccant Dehumidification Equipment, Heat Pipes and Components

**Current Scopes of both TCs:**

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**Discussion Items**

Reference to the TC-MOP-SY-18-19 and the form we need to fill out.

Consideration of these suggestion changes

Leadership roles and transitions

Annual & Winter Meeting dates and times

# TG/TRG PROPOSAL FORM

Return Form to:  
Manager of Research & Technical Services  
ASHRAE  
1791 Tullie Circle, NE  
Atlanta, Georgia 30329-2305  
☎ 404-636-8400 • Fax 404-321-5478  
E-mail: techserv@ashrae.org

**Date:** \_\_\_\_\_  
• Turn in no later than 3 weeks prior to the meeting for consideration by TAC

**TG/TRG Name:** \_\_\_\_\_  
\_\_\_\_\_

**TG/TRG Section:** \_\_\_\_\_  
\_\_\_\_\_

**TG/TRG Scope<sup>1</sup>:** TG X.X is concerned with  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

<sup>1</sup>Please see page 2 for an example of a TG scope.

**Impact on Other TC/TG/TRGs:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**TG/TRG Roster:**

- minimum of 6 members; maximum of 18 members
- no more than one (voting) member from each company
- identify subcommittee chairmen (program, standards, research [TG's only]) where possible
- Chair & Vice Chair must be ASHRAE members
- maximum of 2 member non quorum

|    |                    | <i>Person's Name:</i> | <i>Company</i> | <i>ASHRAE Member #</i> |
|----|--------------------|-----------------------|----------------|------------------------|
| 1  | <b>Chair:</b>      |                       |                |                        |
| 2  | <b>Vice-Chair:</b> |                       |                |                        |
| 3  | <b>Secretary:</b>  |                       |                |                        |
| 4  |                    |                       |                |                        |
| 5  |                    |                       |                |                        |
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| 10 |                    |                       |                |                        |

**TAC USE ONLY:**

Date Received: \_\_\_\_\_ Date Sent to TAC/FP: \_\_\_\_\_ Meeting Date: \_\_\_\_\_ Approved?    Yes    No

**Example Scopes**

***Technical Committee 1.5, Computer Applications***

TC 1.5 is concerned with determination of computer applications to the design and optimization of refrigeration, heating, and air-conditioning systems, equipment and components thereof; and with programs for all such uses.

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***Technical Group 1.GLE, General Legal Education***

TG1.GLE will educate the ASHRAE membership in general legal matters, which touch and concern the HVAC industry and its members. The committee will enable this education through the selection of speakers and offers for programs, and through the publication of articles and other educational materials.

## TC 8.10 SUBCOMMITTEE

### Update on TC Reorganization for TC leadership, 12/2019

In an effort to keep all TC leadership in the loop, TAC thought it was a good idea to give you a little history, an update, and possible future steps in the efforts of the TC Reorganization.

#### History

The direction to look at the TC structure came from the 2014 strategic plan. Based on a survey of TC chair and vice-chairs, we found the following issues were important to our members:

- We are working in silos; too specific; need wider perspective
- We need to better manage stagnant TCs and membership
- Takes too long to change things; get discouraged
- We are not maintaining industry leadership
- We need to do a better job of sharing best practices

By taking on this reorganization, we hope to accomplish many things, including:

- Increase opportunity for collaboration for programs & research
- Increase opportunity for workshops for Handbook
- Increase meeting efficiency and increase effectiveness of members' volunteer time

We asked our SHs to discuss restructuring the TCs with TC leadership- this could include merging some TCs or creating a new TC organizational structure for example. As with major change anywhere, some TCs took this as an opportunity for real change and some dug in their heels.

#### Update

In the past year, TAC has looked into making small changes to the processes we have in place, in an effort to seek collaboration and meeting efficiency.

**TC Breakfast:** In Kansas City, we rolled out a joint breakfast for the first time. The reasons for this were many, including a more efficient way of getting important information into everyone's hands and increasing collaboration. Overall this effort was well-received, with a couple details to work out. In Orlando we will have larger tables and a bigger room, offering less background noise and enough room for everyone to have a seat at the table. This format has been very successful for RAC, so it is not a new concept.

#### **Large Meeting Room for small meetings:**

In Orlando, we are working with staff to offer a large meeting room (similar to Atlanta, if you remember) which will be setup with many round tables. There will also be a quiet area if members need to get work done. Smaller TCs or subcommittees (10 people or less) will be encouraged to utilize this area instead of taking up multiple meeting rooms, and/or cancelling last minute. This will most likely continue in future meetings, depending on feedback in Orlando.

**TC Mergers:** Many TCs are looking into restructuring. We encourage all TCs to voluntarily consider their scope, membership and leadership, and how they can be merged with other, similar, TCs with a vote on this action at the Orlando meeting. That being stated, TAC may need to take a more proactive approach, if there is evidence of an unwillingness on the part of Functional Groups to consider change. The first round of change needs to be wrapping up in Orlando, so staff has time to update rosters as part of the regular timeline.

For TCs looking into mergers, we would recommend that the merging TCs have a revised Title, Purpose & Scope ready for TC vote in Orlando. In addition, proposed leadership and voting roster should be completed.

**Review Reminder:** Please recall that there is an annual review requirement for each committee as detailed below. We will ask each Section Head to report the recommendations from each committee to their Section at the Annual meeting in Austin. If not already on the agenda, your committee should be prepared to start discussing this recommendation in Orlando.

From the Manual of Operating Procedures (MOP):

### 1.5. Review

- 1.5.1. Once a year, preferably at, or prior to, each Annual meeting, the Committee Chair and Committee Membership shall evaluate their progress in accomplishing the purpose for which they were constituted and recommend one of the following actions to their Section Head:
  - a) Continue as a TC, TG, MTG, or TRG
  - b) Convert from a TG to a TC
  - c) Convert from a TRG to a TG or TC
  - d) Merge with a TC/TG/TRG and submit a revised scope for the merged committee
  - e) Dissolve the TC, TG, MTG, or TRG
  - i) If a TC/TG/TRG/MTG votes to disband, it must establish whether any current responsibilities should be continued and, if so, recommend existing TC/TRG/MTG(s) to assume responsibility and obtain those committee's written concurrence

### Future Steps

So, a couple things that were identified early on, are still in process:

- Review functional group definitions and scopes of work to determine if current groups are efficient and best use of volunteer time.
- Clarify procedures for combining and/or dissolving FGs.
- SHs to review Activity Forms and determine which TCs are not performing. Determine plan for TC to perform or dissolve.
- Adjusting meeting times into a block schedule. We currently have many meetings happening at non-standard times which leads to conflicts in people's schedules and is a very inefficient use of meeting space.
- Looking into moving subcommittee meetings into a time slot on the same day as the main TC meeting, and maybe immediately before the main group meeting. This way, if someone can only attend for a few days, they can attend all meetings for a functional group.

As we embark in the effort of organizational restructuring to become more efficient and effective in this new strategic plan, we think it is important to focus on what makes ASHRAE special. If someone in the HVAC industry could only afford to attend one conference a year, why would they come to ASHRAE? Are we showcasing our volunteers and their knowledge effectively? We think what makes our conference great is the ability to collaborate with professionals from all over the world. Meet real people and serve humanity by solving real problems. Together. We need to step up our game- provide more opportunities for the dispersion & discussion of technical information. This is where the FG Reorganization can make a difference.



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**Items:** Related to TC 8.10

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**SPC 198** - Method of Test for Rating DX-Dedicated Outdoor Air Systems for Moisture Removal  
Capacity and Moisture Removal Efficiency  
**Sunday, February 2, 12:00 PM to 2:00 PM**  
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**Seminar 40:** De-Mystifying Direct-Expansion Dedicated Outdoor Air Systems Performance  
Program Track – Systems and Equipment  
**Tuesday, February 4, 8:00 AM to 9:30 AM**  
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*Voting members are strongly encouraged to attend the subcommittee meeting. Corresponding members and guests are welcome.*

**Call to order / Opening Remarks / Introductions - Chair, Randy Schrecengost**

1. Meeting called to order at:
2. Brief introductions

**ASHRAE Code of Ethics, Chair, Randy Schrecengost**

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**Request for Any Additions to Current Agenda**

1. Any?

**Programs – Program Sub-Committee Chair, Onieluan (Tam) Tamunobere**

1. Summarize and update TC on seminar / program proposal for the Orlando meeting.
2. Other Updates – Other seminars, etc.?



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### **Handbook - Handbook Sub-Committee Chair, Ralph Kittler**

1. Two chapters done and in good shape. Next phase is continued maintenance. DOAS Chapter in next HB Systems and Equipment. Some DOAS text from current Chapter 5 for Dehumidification?
2. Research item for CDC Model Aquatic Health Code, status of previous mention of items for Health and Chloramines, etc. based on athlete's health, etc. May eventually lead to design manuals. Can we get an RTAR written to move forward.

### **Research - Research Sub-Committee Chair, Alois Malik**

1. New Updated RTAR 1566 - "Equations to Estimate Evaporation Rates from Wetted Surfaces"  
Research Topic Acceptance Request (RTAR)
  - a. 1566-TRP-C shall be released for Bid in spring 2020.
2. Other Items? RTARs and/or CDC option above?
  - a. Research Breakfast.

### **Standards - Standards Sub-Committee Chair, Craig Burg**

1. ASHRAE Standard 190-2013, Method of Test for Rating Indoor Pool Dehumidifiers
  - a. No additional meeting scheduled.
  - b. Update
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|    |                    | <i>Person's Name:</i> | <i>Company</i> | <i>ASHRAE Member #</i> |
|----|--------------------|-----------------------|----------------|------------------------|
| 1  | <b>Chair:</b>      |                       |                |                        |
| 2  | <b>Vice-Chair:</b> |                       |                |                        |
| 3  | <b>Secretary:</b>  |                       |                |                        |
| 4  |                    |                       |                |                        |
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| 10 |                    |                       |                |                        |

**TAC USE ONLY:**

Date Received: \_\_\_\_\_ Date Sent to TAC/FP: \_\_\_\_\_ Meeting Date: \_\_\_\_\_ Approved?    Yes    No

**Example Scopes*****Technical Committee 1.5, Computer Applications***

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