

Mechanical and Desiccant Dehumidification Equipment, Heat Pipes and Components

8.10 Committee Meeting

Tuesday February 3, 2026

1:00 – 5:00pm PST (4:00 – 8:00pm EST)

Call to Order

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”.

Determination of Quorum

	Ronnie Moffitt	7/1/25 – 6/30/27		Benjamin Heyser	7/1/25 – 6/30/28
	Jason Warner	7/1/25 – 6/30/29		Darrell Sandlin	
	Saeed Moghaddam	7/1/24 – 6/30/28		Alois Malik	7/1/24 – 6/30/28
	Jason Freudigmann	7/1/24 – 6/30/28		David Baird	7/1/24 – 6/30/28
	Lucas Roy	7/1/25 – 6/30/29		Lavanya Jakka	7/1/25 – 6/30/29
	David Simkins	7/1/25 – 6/30/29		Michael Gillespie	7/1/25 – 6/30/29
	James Bogart			Eric Kozubal (VNQ)	7/1/25 – 6/30/27
	William Worek (VNQ)	7/1/25 – 6/30/29			

Minutes of Last Committee Meeting

Reports from liaisons

- Chair Breakfast (Ronnie Moffitt)
- Section 8 Section Head (Kashif Nawaz)
- MTG CEA (Mike Gillespie)
- AHRI Standards (Ben Heyser)
- SSPC 90.1 (open)

Subcommittees:

Programs Subcommittee (Darrell Sandlin)

- Sponsored presentation for Vegas
 - Seminar 47: DX-Dedicated Outdoor Air System Units – ISMRE2 The New Regulated Efficiency Metric (Chair Darrell Sandlin)
 - Ronnie Moffitt - “What Are DX-DOAS Asked To Do?”
 - Ben Heyser - “How Are DX-DOAS Rated and What Is Now Regulated?”
 - Jason Freudigmann - “How Are DX-DOAS Tested?”
 - Ben Heyser - “DX-DOAS Certification and ASHRAE 90.1”
- Submissions for Austin (2026 Annual)
 - Re-submit desiccant seminar? (Warner, Moghaddam, Jakka, Karkhanis)
 - Dates:
 - Wednesday February 25, 2026 – Debate, Panel, Seminar, Forum, Workshop proposals due
 - Tracks:
 - Fundamentals and Applications
 - HVAC&R Systems and Equipment
 - Research Summit
 - Workforce Development
 - Ground Source Heat Pumps
 - Hot Climate Building System Design, Operation and Resilience
 - AI in Build Design and Construction
 - Building Decarbonization

Handbook Subcommittee (Saeed Moghaddam)

- 2025 Fundamentals
 - Chapter 32 – Sorbents and Desiccants (Due 3/15/28)
- 2026 Refrigeration
- 2027 HVAC Applications
- 2028 HVAC Systems and Equipment
 - Chapter 24 – Desiccant Dehumidification and Pressure-Drying Equipment (Due 3/21/27)
 - Chapter 25 – Mechanical Dehumidifiers and Related Components (Due 7/11/27)
 - Chapter 51 – Dedicated Outdoor Air Systems (Due 7/31/27)

Research Subcommittee (Alois Malik)

- RP 1566 Equations to Estimate Evaporation Rates from Wetted Surfaces
- RP 1865 DOAS Supply Air Temperature (Co-Sponsor with TC 1.4)
- RP 1901 Determination of Latent Loads from Crops (Co-Sponsor with TC 2.2)
- Co-sponsored RTAR heating and humidification max humid levels for building types, outside air conditions (1.12 lead)
- Co-sponsored RTAR from 5.11 – Research minimum relative humidity levels in buildings to support occupant health and productivity.
 - Voted to co-sponsor at 2025 Winter Meeting in Orlando

Standards Subcommittee (Jason Freudigmann)

- ASHRAE Standard 198-2013, Method of Test for Rating DX-Dedicated Outdoor Air Systems for Moisture Removal Capacity and Moisture Removal Efficiency
- ASHRAE Standard 174-2022, Method of Test for Rating Desiccant-Based Dehumidification Equipment
- ASHRAE Standard 139-2025, Method of Testing for Rating Desiccant Dehumidifiers Utilizing Heat for the Regeneration Process
- ASHRAE Standard 190-2022, Method of test for Rating Indoor Pool Dehumidifiers

TC Web Site (David Baird)

Other Business

- Roster updates
- California Title 24 Indoor Agriculture Update (John Bade?)
- Two presentations from Texas A&M
 1. ASHRAE RP-1865: Optimization of supply air temperature for DOAS. Presented by PhD student - Youngsik Choi
 2. A literature review of state-of-the-state of Dedicated outdoor air systems (DOAS) in buildings — A review of a modern HVAC decoupling approach. Presented by PhD student - Ruizhi Song

Motion to Adjourn