

ASHRAE TC 8.11
Unitary and Room Air Conditioners and Heat Pumps
Agenda

2025 ASHRAE Summer Conference
Hybrid

Main Meeting

Monday, June 23rd 4:00 PM – 6:00 PM MST
Sheraton Phoenix Downtown, Valley of the Sun E (Level 2)

Sub-Meeting

Sunday, June 4:00 PM – 6:00 PM MST
Sheraton Phoenix Downtown, Valley of the Sun E (Level 2)

1. Call to order

Creamer

Meeting called to order 4:35 pm by Scott

2. Code of Ethics

In ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and shall avoid all real or perceived conflicts of interest. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We celebrate diverse and inclusive communities, understanding that doing so fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and the communities our Society serves. We respect and welcome all.

<https://www.ashrae.org/about/governance/code-of-ethics>

3. Review Scope

Technical Committee 8.11 is concerned with products for use in comfort cooling and/or heating systems. The factory-engineered vapor compression systems include: (1) unitary equipment which generally requires the field engineering of the product mounting and ducting, piping and electrical connections, (2) room air conditioners such as window mounted units and ductless split systems and (3) packaged terminal equipment. Specifically excluded are unitary combustion-engine driven systems.

4. Introductions

All

Introduction to people

5. Determination of a quorum

Dhillon

VOTING MEMBERS FOR THIS MEETING (Need 5 for a Quorum)

x	Parveen Dhillon	6/30/2028
x	Michael Creamer	6/30/2026
x	Chad Kirkwood	6/30/2028
x	Omar Abdelaziz	6/30/2026
x	Jason LeRoy	6/30/2026

x	Chris Stone	6/30/2028
x	Andrew Hjortland	6/30/2025
x	Kevin McFadden	6/30/2026
x	Darin Nutter	6/30/2028

Quorum established 9-0

Bo Shen (ORNL) volunteered to join voting member in place of Andy.

Craig Bradshaw (UIUC) also volunteered to join voting member. Roll on after Vegas meeting.

Andy stepping down as voting member after this meeting

6. Approval of minutes from Orlando

Creamer

Motion to accept Orlando meeting minutes: Darin first Chad second; motion carries, 9-0-0-0

7. **Agenda additions**

All

No agenda addition

8. **Membership/Roster**

Creamer

a. Current Roster

Name	Role	Voting
Scott Creamer	Chair	Yes
Kevin McFadden	Vice Chair	Yes
Parveen Dhillon	Secretary	Yes
Chris Stone	Standards Chair	Yes
Haotian Liu	Handbook Chair	No
Davide Ziviani	Program Chair	No

Name	Role	Voting
Eric Berg	Research Chair	No
Darin Nutter	Webmaster	Yes
Omar Abdelaziz		Yes
Chad Kirkwood		Yes
Andrew Hjortland		Yes
Jason LeRoy		Yes

9. **Subcommittee reports**

a. Standards

Chris Stone

Cognizant standards: 16, 37 (reaffirmed) – meeting on Wednesday

Standard 231p is still active

Less activity on 41 series, only 41.3 is under revision.

There are active meetings on 16 and 37 (Wednesday), 41 series, 213.

Edison Shen (Midea) volunteered to take over standards chair from Chris Stone

b. Programs

Davide Ziviani

Discussed possible topics for Vegas programs and finally two proposed seminar

- Seminar 1 based on TC 8.11 research summit (possibly 3 talks). Coordinate with Eric.
Christian Bach: On charge measurement; on Oil measurement
- Seminar 2: RTU Accelerator and Challenge (Michael Deru Chair/speaker: 3 talks)
- Seminar 3: Air to water HP system; possible co-sponsorship with 6.8 and 8.2.

Motion to approve three seminar w/ title and speaker to be finalized later: Andy first, Kevin second. Motion carries 8-0-1-0

- Another program on energy storage for grid resiliency; possibly coordinate with 6.9 and supply with speaker

c. Handbook

Haotian Liu

Chapter 1: 2027 Handbook (Applications); Chapter 48 and 49: 2028 Handbook (System and Equipment)

Chapter 1 changes need to be voted in Austin meeting June 2026.

Haotian is looking for volunteers and will send author portal info.

Omar volunteered for all 3 chapters. Andy volunteered for chapter 1.

Updates Chapter 48 (Unitary Air conditioners and heat pumps) for 2028 System and Equipment. Already have subcommittee to review the chapter. Already 7 volunteers, need additional people if interested. Want to make an outline for changes to be done.

Chapter 49 (Room air conditioner and packaged terminal air conditioners) also needs to be reviewed.

Chapter 1 (Residential Space Conditioning) 2027 Handbook (Deadline is June 2026). Need names of reviewer and Haotian will form a separate subcommittee to review. Haotian will need author rights.

d. Research

Eric Berg

Discussion on the current and future research.

4 active projects. RP 1721 is done and published. RP 1733 – Research is complete and final report is done, waiting to be published on ASHRAE portal. RP 1785 – Finished research, working on final report based on PMS review feedback. RP 1824 – Done by Solomon, PI provided updated back in early June, made changes in measurement location based on PMS feedback. They are starting to get data soon, will schedule meeting with PMS once have some data. Currently testing at Montana state and will test at University of Louisiana at low elevation.

Currently 2 co-sponsored two WSs with TC8.8. Christian

Open Ideas:

RTAR: Dynamic measurement and control approaches

- Discussion on how this project benefit ASHRAE method of test. It informs
- Modify based on the feedback from meeting to revise it and align with ASHRAE MoT and keeping it align with only instrumentation. (Feedback from Xudong and Omar)
- Finalize and do voting

RTAR: Defrost degradation mapping. Don't put etc. in the abstract. Work on laboratory testing conditions.

Motion to approve RTAR w/ three revisions: 1) remove etc. from abstract 2) define humidity conditions for laboratory testing, 3) revise budget and scope: Omar first, Darin second. Motion carries: 7-0-2-0.

Bo will make changes before August 15 and send to RAC liaison.

Residential home thermal capacitance study: to get better idea of thermal capacitance for current MoT. RTAR on how to do a pilot study. Andy will lead the effort to do that.

Research Chair Breakfast update: Working on research portal and looking for volunteer. Not too much research is going on. Research advisory panel is being formed to develop research plan.

ASHRAE 16 discussed about testing PTAC with low ambient conditions.

Possibly RTAR on colder ambient calorimetric testing. First start with literature review.

e. Web site

Darin Nutter

Website is up to date. Will add meeting minutes to meeting document

10. Liaison reports (as they arrive)

Liaisons

a. MTG – Low GWP Refrigerants

Robert Glass

Quick update on Low GWP refrigerants. Will meet on Wednesday 10 am – 12 pm.

b. Refrigeration Technology

Hwang

Hwang no longer serving committee, looking for new volunteer.

Hwang is chairing in IEA HP conference in Vienna, gave update on abstract and review process.

They changed the name to Refrigeration Technology Committee for Comfort, Process and Cold Chain, Davide can present it.

c. Very hot ambient and warm/very humid ambient efficiency STDs

Chao Ding

No update this time.

d. RAC

Carl Huber

e. TAC Section 8

Charlie Henck

f. CEBD

Chad Bowers

Published some guides, some of which could be downloaded for free.

Will take it off next time.

11. Old Business

12. New Business

13. Adjourn

Scott motion to adjourn, Omar second; meeting ends at 5:43 pm/