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Technical Committee 8.01 – Compressor Technology

TC8.01 Website: [Link](#)

AGENDA – 2025 ASHRAE Winter Meeting, Orlando FL

Main Committee [Hybrid]: Tuesday, February 11, 2025 3:30 – 5:30 PM ET

In Person Location: Hilton Orlando, Conway Lake (Lobby Level)

Virtual Info:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_MTRjZiQwODYtZTU1Zi00ODdhLWFhMTQtY2JkNDFmOWQ0Y2Zm%40thread.v2/0?context=%7b%22Tid%22%3a%22abf9983b-ca77-4f20-9633-ca9c5a847041%22%2c%22Oid%22%3a%222923a671-cf0e-46c1-b9bb-6266530cf212%22%7d

Meeting ID: 358 345 206 216

Passcode: gS5ZpP

1) Call to Order – Alex Schmig(Chair)

- Introductions
- Minutes – **Bo Shen (Secretary)**
- Establishment of Quorum (13 VMs) - **Jim Douglas (Membership Chair) 0-0-0-0 CNV**
- Joint TC8.1&TC8.2 SubCom meeting attendance:

VOTING MEMBERS FOR THIS MEETING (Need 7 for a Quorum)

Alex Schmig	6/30/2026
Riley Barta	6/30/2026
Bo Shen	6/30/2026
Jim Douglas	6/30/2025
Scott MacBain	6/30/2025
Michael Perevozschikov	6/30/2025

Vincent Hwang	6/30/2025
Erik Anderson	6/30/2026
Chris Seeton	6/30/2026
Craig Bradshaw	6/30/2026
Heinz Jurgensen	6/30/2026
Stefan Elbel	6/30/2028
Eric Berg	6/30/2028

1. CALL TO ORDER

ASHRAE VALUE STATEMENT

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.

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

Core Values - <https://www.ashrae.org/about/ashrae-s-core-values>

Diversity Statement - <https://www.ashrae.org/about/diversity-equity-and-inclusion-dei>

ASHRAE's Antitrust policy: ASHRAE agrees to comply with the Antitrust Policy as stated in ANSI Essential Requirements. Antitrust guidelines presentation: <https://youtu.be/ykisOzjHyZM>.

Recording (Audio, Video, Screenshots) of ASHRAE meetings, including online meetings, is strictly prohibited.

2) Review and Approval of the 2024 ASHRAE Annual Meeting Indianapolis Minutes

- **Motion / Second: 0-0-0-0 CNV**

3) Liaison Report (as they arrive)

- Section 8 Head (Kevin Mercer)
- Research Liaison (Carl Huber)
- Handbook (Kevin Muldoon)

4) TC8.1 / TC8.2 Revised Scope:

- **Title:** TC 8.1 Compressor Technologies
- **Scope:** TC 8.1 is concerned with the design, performance, features, operating characteristics, and standards of all types of compressors for use with refrigerants.

5) Report on TAC/TC Chair's Breakfast Meeting – Alex Schmig

Update on material covered at TC chairs breakfast.

Sunday, February 9th 7:00 – 9:00AM Hilton Orlando, Orlando I-II (Lower Level)

6) Membership - Jim Douglas (Chair)

Introduction of new members and/or changes

7) Standards – Jim Douglas (Chair)

Standard 23-2022, *Methods for Performance Testing Positive Displacement Refrigerant Compressors and Compressor Units*. Standard 23-2022 will be due for periodic maintenance (*Revise, Reaffirm, or Withdraw*) at the 2025 ASHRAE Winter Conference. TC 8.01 will likely vote to approve Reaffirmation of this standard during the TC 8.01 meeting at the 2025 ASHRAE Winter Conference.

Standard 41.4-2015, *Standard Methods for Measurement of Proportion for Lubricant in Liquid Refrigerant*. SSPC 41 Subcommittee 41.4-2015R, chaired by Jim Douglas, has met twice since the 2024 ASHRAE Winter Conference. The goal of this subcommittee is to reach consensus on the 41.4-2015R 1st Publication Public Review draft during the 2025 ASHRAE Annual Conference.

Informative Note: Like all 41-series standards, Standard 41.4 has ANSI accreditation, which is expressed as ANSI/ASHRAE Standard 41.4. ANSI accreditation only lasts 10 years and Standard 41.4 was last published in 2015. To preserve Standard 41.4's ANSI accreditation, the ASHRAE Standards Committee will reaffirm Standard 41.4-2015 before the end of 2024. SSPC 41 will not have any involvement in the reaffirm Standard 41.4-2015.

Standard 41.9-2021, *Standard Methods for Refrigerant Mass Flow Measurement Using Calorimeters*. Standard 41.9-2021, chaired by Michael Perevozchikov, is being revised. The goal of this subcommittee is to reach consensus on the 41.9-2021R 1st Publication Public Review draft during the 2025 ASHRAE Annual Conference.

8) Program - Erik Anderson (Chair)

- For 2025 Winter Conference in Orlando, FL **[program submission deadline Feb 26, 2025]:**
 - Track 1: Fundamentals and Applications (Track Chair: Atilla Biyikoglu)
 - Track 2: HVAC&R Systems and Equipment (Track Chair: Ng Yong Kong)
 - Track 3: Research Summit (Track Chair: Haotian Liu)
 - Track 4: Workforce Development (Track Chair: Anuj Gupta)
 - Track 5: Industrial Ventilation, Refrigeration, Air-Conditioning and Energy Utilization (Track Chair: Vinod Venugopal)
 - Track 6: Heat Pumps, Refrigerants and Decarbonization (Track Chair: Money Khanna)
 - Track 7: Onsite Energy Storage (Track Chair: Kevin Brown)

9) Research – Matt Cambio (Chair)

- Report from Research Subcomm. Chair's Breakfast (Location/Time: Monday, February 10th, 7:00 – 9:00 am EST; Hilton Orlando, Florida 5&6 (Lower Level)
- **1879-RP – Foamability properties of LGWP refrigerants**
- **1716-RP Oil Concentration of Field Installed Liquid Chillers with Flooded Type Evaporators.”** has started (Delta Heat, Germany) Lead TC8.2; 41.4-2015 on liquid ref. samples for oil measurements being updated; J. Douglas leading; concerns leading to liquid filling guidance; Phil to pass on to TRP-1716 PI for information **Notes: early stage of the project, PMS is interacting with the PI.**
- **New RTAR ideas:**

10) Handbook – Scott MacBain (Chair)

- TC8.1 Refrigeration Chapter 8-factory Dehydrating, Charging & Testing (revision due 2026)
 - Vote/Review Chapter 8

11) Website – Eric Berg (Chair)

12) Old Business

13) New Business

14) Adjourn