

# **ASHRAE TC 10.1**

## **Custom Engineered Refrigerant Systems, Piping, Controls and Accessories**

**ASHRAE 2024 Winter Conference – TC 10.1 meeting agenda**

**January 23, 2024 ~ 1:00 – 2:30 pm CST (UTC -6)**

**Marriott Marquis Chicago ~ Meeting Room: Analysis (2)**

**Microsoft Teams Meeting ID: 249 774 094 266 ~ Passcode: xEwrNX**

To: Members and guests of TC 10.1

From: Steve Sanders, TC 10.1 Chair

Date: January 23, 2024

### **I. Preliminaries.**

A. Call to order.

B. ASHRAE Code of Ethics Commitment: 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 interest and behavior that is discriminatory and/or harassing.

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

C. Self-introductions & attendance sheet.

D. Verify quorum – voting members:

<b>Name</b>	<b>Position</b>	<b>End Date</b>	<b>Position</b>
1. Steve Sanders		6/2027	Chair
2. Wayne Borrowman		6/2026	Handbook Subcommittee Chair
3. Tom Wolgamot		6/2024	Program Subcommittee Chair
4. Alec Cusick		6/2026	Research Subcommittee Chair
5. Andy Schoen		6/2026	Webmaster
6. Kent Anderson		6/2027	
7. Kartik Patel		6/2026	
8. Heather Sharif		6/2027	
9. Gordon Struder		6/2024	
10. Martin Timm		6/2026	

**II. Additions/changes to agenda.**

**III. Review and approval of 2023 Annual Conference draft minutes.**

- A. 2023 Annual Conference committee meeting draft minutes have been previously distributed and are being mailed with this agenda.

**IV. Chair's Report (Steve Sanders).**

- A. Eight (8) officers, five (5) of whom are voting members.
- B. Ten (10) voting members (VM).
- C. Nineteen (19) corresponding members (CM).
- D. Fourteen (14) provisional corresponding members (PCM).
- E. Total of (46) members.

**V. Liaison Reports.**

- A. Section 10 Head – Gursaran Mathur (SH10@ashrae.net)
- B. Other Societies.
  - 1. ASHRAE 15 (Chris Williams).
  - 2. ASME (Jim Caylor).
  - 3. CSA (Wayne Borrowman).
  - 4. Other (Kent Anderson)
  - 5. Insulation societies.
    - a. NIA (National Insulation Association).
      - i. MICA (Midwest Insulation Contractors Association).
      - ii. Refrigeration.
      - iii. Cryogenic.
    - b. ASTM.

**VI. Handbook Subcommittee Report (Wayne Borrowman).**

- A. Handbook chapters.
  - 1. Insulation: Chapter 10 (Insulation Systems).
  - 2. Refrigeration: Chapter 1 (Halocarbon), Chapter 2 (NH<sub>3</sub>), Chapter 3 (CO<sub>2</sub>), Chapter 4 (Overfeed), Chapter 5 (Component Balancing), Chapter 13 (Secondary Coolants), Chapter 45 (Concrete Dams), Chapter 46 (Chemical Industry), Chapter 47 (Cryogenics), Chapter 48 (Ultralow Temperature) and Chapter 49 (Biomedical Applications) and Chapter 50 (Terminology) will be reviewed for the 2026 RHB.
    - a. Chapter 1 (Halocarbon).
    - b. Chapter 2 (Ammonia) - Ch 3 (Carbon Dioxide) - Ch 5 (Component Balancing).
    - c. Chapter 13 (Secondary Coolants)

**VII. Research Subcommittee Report (Alec Cusick; project author/leader).**

- A. RP-1703 (Testing the Performance of Vapor Retarder Systems Used with Mechanical Insulation Systems in Below-Ambient Applications).
  - 1. Co-sponsor with TC 1.8 (lead committee).
  - 2. Charley Petty (lead) and Gordon Hart (contributors).
- B. RP-1721 (Oil Return and Retention in Unitary Split System Gas Lines).
  - 1. Co-sponsor with TC 8.11 (lead committee).
  - 2. Gordon Struder is on PMS.
- C. RTAR-1871 (Hygrothermal Modeling of Below Ambient Pipe Insulation Systems in Buildings and Refrigeration).
  - 1. Co-sponsor with TC 1.8 (lead committee).
  - 2. Manfred Kehrner and Gordon Hart are authors.
- D. RTAR-1513 (old) Liquid/Vapor Separation in Vessels.
  - 1. Originated in TC 10.1.
  - 2. Doug Scott, Alec Cusick, and/or Bent Wiencke to update.

**VIII. Programs (Tom Wolgamot).**

**IX. Old Business.**

- A. Action Items.
  - 1. Update roster and activity forms.
  - 2. Review code of ethics and update website biographical information.

**X. New Business.**

- A. PTAR development for Industrial Heat Pump Design & Application Guide

**XI. Next Meeting: Indianapolis, IN; June 22-26, 2024.**

- A. <https://www.ashrae.org/conferences/2024-annual-conference-indianapolis>
- B. JW Marriott - Indianapolis, 10 S. West St., Indianapolis, IN 46204.
  - 1. Registration link opens in March 2024.
- C. Virtual and face-to-face!

**XII. Adjourn.**