

**ASHRAE TC 10.7**  
**Commercial Food & Beverage Refrigeration Equipment**  
**2023 Summer ASHRAE Meeting**

**Monday, 26 June 2023, 2:00PM– 4:00PM EST**

**Hybrid Meeting:**

Tampa Conference and Microsoft Teams

**APPROVED MINUTES**

Approved 1/22/2024 at ASHRAE Winter Meeting

- 1) Welcome & Introductions
  - a) **Complete**
- 2) Review and Revise and Approve Agenda
  - a) **Approved**
- 3) Determination of Quorum
  - a) **5 Quorum, 1 Non-Quorum, 2 Absent (Vishal joined later).**
  - b) **Quorum present**
- 4) Review and approve draft minutes from June Annual and September Interim meetings
  - a) **MOTION – Monson, SECOND – Bauman. Approved via voice vote 5-0-0**
- 5) Review Scope / MBO's
  - a) TC10.7 Scope: TC 10.7 is concerned with the application and performance of equipment and systems for the refrigeration of food and beverages in commercial operations. This includes commercial equipment such as refrigerated merchandisers and storage cases, walk-in freezers and coolers
  - b) TC10.7 MBO's (Objectives): - The pursuit of technological advancement of commercial food and beverage equipment and systems to enhance overall performance through improved food safety, food quality, energy efficiency, and reduced environmental impacts. -To provide engineering design, application knowledge, and technical expertise to effectively support research and the Refrigeration handbook chapters and standards for which we are responsible.
- 6) Recognition of Liaisons and Announcements
  - a) Section Head: Tina Brueckner
  - b) Program Committee Liaison: TBD
  - c) Research Committee Liaison: Lorenzo Cremaschi
  - d) Handbook Committee Liaison: Kevin Muldoon
  - e) Chapter Technology Transfer Committee Liaison: TBD
  - f) Standards Committee Liaison: Kwang Woo Kim
  - g) Refrigeration Committee Liaison: Charlie Hon
  - h) ALI/PDC Liaison: TBD
  - i) MTG Low GWP Liaison: Brian Fricke

7) Liaison Reports

- a) Charlie Hon (Refrigeration)
  - i) No report
- b) Brian Fricke (MTG.LGWP)
  - i) RP1885 – FINAL report pending MTG for review and approval at Wednesday meeting.
  - ii) RP1806 – Still continuing. Plans to wrap up, “soon”
  - iii) Programs – Sponsoring (2) Tampa seminars. Seminar 25 “A2I Standards review part 1” completed. Wednesday morning Seminar 50 is Part 2 of the same.
- c) Part 1 Meeting – MTG co-sponsor system component optimization for A2L LGWP. TC3.1 leading effort on PFAS with MTG.LGWP co-sponsoring.
- d) No other Liaisons present

8) Membership:

- a) Management Team
  - i) Chair: Stephen Schaefer (VM 06/??)
  - ii) Vice Chair: Pending (TBD)
  - iii) Secretary: Neil Monson (VM 06/24)
  - iv) Research Subcommittee Chair: Vishaldeep Sharma (NV)
  - v) Standards Subcommittee Chair: Jon Murray (VM 06/??)
  - vi) Program Subcommittee Chair: Jian Sun (NV)
  - vii) Handbook Subcommittee Chair: Brian Fricke (NV)
  - viii) Webmaster: Neil Monson (VM)
- b) Additional Voting Members:
  - i) Cesar Lim [*Non-Quorum*] (06/25)
  - ii) Ramiro Avila (06/24)
  - iii) Jeff Bauman (06/??)

9) Committee Reports

- a) Standards (Jon Murray)
  - i) ASHRAE 32.1, MOT for Rating Vending Machines for Bottled, Canned and Other Sealed Beverages – Reaffirmed and available
  - ii) ASHRAE 32.2, MOT for Rating Premix and Postmix Beverage Dispensing Equipment - Reaffirmed and available
  - iii) ASHRAE 29 – MOT Automatic Ice Makers – Work underway to align with DOE Rule Making. Meeting today.
  - iv) ASHRAE 72 MOT Open and Closed Commercial Refrigerator and Freezer – Committee met yesterday. Close to reviewing for ballot with PR before the end of the year. Letter ballot.
  - v) ASHRAE 210, MOT for Rating Commercial Walk-in Cooler and Freezer Equipment – Committee formed w/o chair. Vishal has agreed to chair now. No meetings scheduled for Tampa.
  - vi) ASHRAE 220, MOT for Rating Small Commercial Blast Chillers, Chiller-Freezers, and Freezers – Committee met Saturday close to committee vote with line of sight to publish EOY.

- b) Programs (Jian Sun)
    - i) No sessions for Summer 2023. We have a good list of ideas for further discussion.
      - (1) Refrigerant Allocations
      - (2) Charge Limits for A3
      - (3) Service for A3 refrigeration
      - (4) IoT
      - (5) Need to generate interest and line up speakers.
  - c) Research (Vishal Sharma)
    - i) RP1831 Evaluation of Test Methods for Standard Frost Loads. (Elbel) Issues with some measurements. 1-year NC extension. Installed 2 of 4 systems, s/b back on track on July.
    - ii) RP1876 Optimized Air Curtains for Glass Door Cases. Vishal and Ramin taking over mgmt. have all of Carl's previous work.
    - iii) RTAR Renewable Energy Grid Balancing (D. Erbs). – Submitted?
    - iv) RTAR request from 10.8 for co-sponsorship on cap tub for LGWP. No report.
  - d) Handbook (Brian Fricke)
    - i) Chapters on Basecamp.
    - ii) KOM – August, looking for members and interested parties.
  - e) Website (Neil Monson)
    - i) Follow Basecamp for the most timely and informative updates on TC activity.
- 10) New Business
- i) National Congress of Refrigeration in Paris this August.

## 11) Adjournment

### **Upcoming ASHRAE Conferences:**

Winter 2024 Conference Jan. 20-24, 2024 – Chicago, IL  
Summer 2024 Conference June 22-26, 2024 – Indianapolis, IN  
Winter 2025 Conference Feb 8-12, 2025 – Orlando, FL  
Summer 2025 Conference – June 21-25, 2025 – Phoenix, AZ