

ASHRAE TC 10.7
Commercial Food & Beverage Refrigeration Equipment
2024 Winter ASHRAE Meeting

Monday, 22 January 2024, 2:00PM– 4:00PM EST

Hybrid Meeting:

Marriott Marquis Chicago, Grand Horizon C (4) and Microsoft Teams

FINAL APPROVED MINUTES

a. Welcome & Introductions

- i. Meeting called to order by chair at 1:00 PM by chair.
- ii. Introductions around the room and online.

b. Review and Revise and Approve Agenda

- i. NM motioned, CLL seconded motion carries.

c. Determination of Quorum

- i. Quorum present

d. Review and approve draft minutes from June Annual and September Interim meetings.

- i. CLL motions, JB seconded, motion approved via voice vote.

e. Review Scope / MBO's

- i. **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
- ii. **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.

f. Recognition of Liaisons and Announcements

- | | |
|---|---------------------|
| i. Section Head: | G.D. Mathur |
| ii. Program Committee Liaison: | TBD |
| iii. Research Committee Liaison: | WenBin NG |
| iv. Handbook Committee Liaison: | Kevin Muldoon |
| v. Chapter Technology Transfer Committee Liaison: | TBD |
| vi. Standards Committee Liaison: | Kwang Woo Kim |
| vii. Refrigeration Committee Liaison: | Cameron Labunski |
| viii. ALI/PDC Liaison: | TBD |
| ix. MTG Low GWP Liaison: | Brian Fricke |

g. Liaison Reports

i. GD Mathur (Section Head)

- Presentation from TC chairs breakfast. GTIC and how ASHRAE TC and ISO working groups relate to each other. ASHRAE members can join a US TAG, attend ISO meetings as US expert, agree to be a resource (full presentation attached to minutes).
- Decarbonization 2030 get to 2015 GHG emissions, net zero by 2050.
- Review of new roster tool. Chairs will be getting a link in the next 1-2 weeks.
- Overview of GAO department –

ii. Brian Fricke (MTG LGWP)

- Part A meeting Sunday, Tuesday 1-4 PM Codes and Standards, Wednesday 10-12 Part B meeting.
- Program discussion.
 - a. Codes and Standards track at Indy for any potential programs. PFAS seminar rejected for Chicago, will be recycled. Danny Halel in program comm. Chair for the MTG.
- Two research projects
 - a. RP1855 completed, report available.
 - b. RP1806 Flammable Refrigerants Post Ignition Effects, plan to wrap up someday.

h. Membership:

i. Management Team

- | | | |
|---------------------------------|-------------------|------------|
| • Chair: | Stephen Schaefer | (VM 06/25) |
| • Vice Chair: | Nilesh Purohit | (VM 06/27) |
| • Secretary: | Neil Monson | (VM 06/24) |
| • Research Subcommittee Chair: | Vishaldeep Sharma | (VM 06/25) |
| • Standards Subcommittee Chair: | Jon Murray | (NV) |
| • Program Subcommittee Chair: | Jian Sun | (NV) |
| • Handbook Subcommittee Chair: | Brian Fricke | (NV) |
| • Webmaster: | Neil Monson | (VM) |

- ii. Additional Voting Members: Cesar Lim [*Non-Quorum*] (06/25), Ramiro Avila (06/24), Jeff Bauman (06/27),

i. Standards (Jon Murray)

- i. No current standards actions pending for this TC.
 - a. **ASHRAE 32.1**, 2022 MOT for Rating Vending Machines for Bottled, Canned and Other Sealed Beverages
 - b. **ASHRAE 32.2**, 2022 MOT for Rating Premix and Postmix Beverage Dispensing Equipment
 - c. **ASHRAE 29** currently in revision with letter ballot out. – MOT Automatic Ice Makers. June meeting

- d. **ASHRAE 72** 2022 Addendum out for second PPR. MOT Open and Closed Commercial Refrigerator and Freezer
- e. **ASHRAE 210 MOT for Rating Commercial Walk-in Cooler and Freezer Equipment**, first edition in development but can't keep a chair please see leadership if interested,
- f. **ASHRAE 220 MOT for Rating Small Commercial Blast Chillers, Chiller-Freezers, and Freezers**, first edition met 1/22/2024 at 10 AM. Team is getting closer to having something to send to standards, Programs (Jian Sun)

j. Programs (Jian Sun)

- i. No ongoing programs at this meeting
- ii. Have a couple of new ideas.
 - Panel discussion regarding A2L refrigerants codes and standards and how they are implemented for real grocery stores. Already have four interested. Anyone else let Jian Sun
 - Seminar for Indy or after enhancements for LGWP refrigerants. Field studies.
- iii. Section 10 combined meeting interested in back-to-basics seminars to help new engineers.

k. Research (Vishal Sharma)

- i. No update provided by Vishal
- ii. Update on RP1831 from Stefan Elbel. This project is wrapping up in the next few weeks. Not sure if no cost extension was approved fully though. Chair to check.

l. Handbook (Brian Fricke)

- i. Two chapters. Retail food / Food service for 2026 handbook.
- ii. GAP – Concept of load flexibility in supermarket applications.
- iii. Doodle poll to interested parties to set up kick off meeting in next 1-2 weeks.

m. Website (Neil Monson)

- i. TC is using the Basecamp site. Please see NM if you need help.

n. New Business

- i. Ramiro Avila – GAP in SSPC 72 between self-contained and remote cases. UL 471 and 2-89 require more stringent testing for self-contained than remote. Do we need a new standard for self-contained or do we need to adopt an ISO (like 22041)? ISO is problematic due to the way that Europe dominates the standard.

o. Adjournment

- i. Meeting was adjourned.

Respectfully submitted.

Neil Monson (Secretary)