

ASHRAE TC 10.7

Commercial Food & Beverage Refrigeration Equipment 2016 Winter ASHRAE Meeting Agenda for Monday, 25 January 2016, 2:15 pm - 4:15 pm Room Orange B (LL) Hilton Orlando FL

Note: The ASHRAE Code of Ethics is to be adhered to by those doing ASHRAE business whether or not they are an ASHRAE member. <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>

1. Welcome & Introductions – Sign-In Sheet

2. Review and Revise Agenda

3. Determination of Quorum

4. Review Scope / MBO's

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 (<3000 sq. ft.), beverage vendors and dispensers, commercial ice makers, and water coolers.

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.

5. Recognition of Liaisons & Announcements:

Committee Liaisons:

- Section Head Jim Tauby
- Program Committee Liaison Kevin Gallen
- Research Committee Liaison John Shonder
- Handbook Committee Liaison Scott Fisher
- Chapter Technology Transfer Committee Liaison Gerald Hartford
- Standards Committee Liaison Cecily Grzywacz
- Refrigeration Committee Liaison Cesar Luis Lim
- ALI/PDC Liaison Hugh McMillan
- MTG Low GWP Liaison..... Brian Fricke

Announcements

6. Membership:

Current TC10.7 Management Team

- Chair Charles Hon (VM 6/17)
- Vice Chair Timothy Anderson (VM 6/18)
- Secretary Lauren Zelinski (VM 6/18)
- Research Subcommittee Chair Shitong Zha (VM 6/19)
- Standards Subcommittee Chair Van Baxter
- Program Subcommittee Chair Caleb Nelson (VM 6/18)
- Handbook Subcommittee Chair Dave Demma (VM 6/16)
- Webmaster Kyle Larson
- Additional Voting Members:Cynthia Gage (6/16), Jon Murray (6/18), Carl Roberts (6/18), Pradeep Bansal (6/19), Patti Conlan(6/19), Cesar Lim (Non-Quorum 6/19), Gustavo Pottker(6/19)

7. Review Draft Minutes from the 2015 Summer Meeting in Atlanta, GA

8. Subcommittee Reports:

A. Program Subcommittee (Caleb Nelson)

Meeting: Sunday 5:15pm-6:00pm, Hilton Room: Lake Nona B (L)

Orlando Program

SEMINAR 61 Improving the Efficiency of Low-GWP Commercial Refrigeration Systems

Wednesday, January 27, 8:00 AM-9:30 AM Sponsored by TC 10.07

SEMINAR 20 Highlights from the 24 IIR International Congress of Refrigeration Sunday, January 24, 2016
3:15-4:45 pm Hilton Room: Orange Ballroom D Co-Sponsored by TC 10.07

SEMINAR 37 Best Practices in Manufacturing, Field Installation and Servicing Refrigeration and Air-Conditioning Systems Tuesday, January 26, 2016 8:00-9:30 am Hilton Room: Orange Ballroom C Co-Sponsored by TC 10.07

B. Research Subcommittee (Shitong Zha)

Meeting: Sunday, 6:00pm-6:45pm, Hilton Room: Lake Nona B (L)

Project 1467 – Balancing Latent Heat Load between Display Cases & Store Comfort Cooling

RTAR 1706 – Minimum Refrigerant Charge Attainment for Commercial Refrigeration Systems

RTAR 1722 – Optimizing Air Curtains for Refrigerated Display Cases with Glass Doors

WS 1615 (TC7.5, with TC 10.7 co-sponsor) - Fault Detection and Diagnostic Methods for Supermarkets

New Project Ideas:

Development of a new infiltration model for walk-in openings

Method of test for secondary fluids with two phase flow entering and/or leaving a display case

Demand profile characterization for heat and service hot water in supermarkets

Optimization of air curtains in vertical display cases, incorporating horizontal air streams

Standard for rating evaporators with high glide refrigerants (with TC 8.4)

o Others Ideas?

Ad-Hoc Group – New technology assessment and application for energy efficiency in display cases (J. Murray, C. Roberts, R. Faramarzi)

C. Handbook Subcommittee (Dave Demma)

Meeting: Sunday, 6:45pm-7:30pm, Hilton Room: Lake Nona B (L)

Refrigeration, Chapter 15 – Retail Food Store Refrigeration and Equipment

Refrigeration, Chapter 16 – Food Service and General Commercial Refrigeration Equipment

D. Standards Subcommittee (Van Baxter)

TC10.7 is the Cognizant TC for the following standards:

Standard 18-2006, Methods of Testing for Rating Drinking-Water Coolers with Self-Contained Mechanical Refrigeration

Standard 29-2009, Methods of Testing Automatic Ice Makers

Standard 32.1-2004, MOT for Rating Vending Machines for Bottled, Canned and Other Sealed Beverages

Standard 32.2-2004, MOT for Rating Pre-Mix and Post-Mix Beverage Dispensing Equipment

Standard 72-2005, MOT Open and Closed Commercial Refrigerators and Freezers

Standard 210-Method of Testing for Rating Commercial Walk-in Refrigerators and Freezers

Proposed SPC: Method of Test for Small Commercial Blast Chillers, Chiller/Freezers, and Freezers

Meetings

SPC-32.1 MOT for Rating Vending Machines for Sealed Beverages (Scott Mitchell)

Meeting: Sunday, 10:30am-1:00pm, Hilton Room: Lake Monroe A (L)

SPC-32.2 Meeting *MOT for Rating Pre-Mix and Post-Mix Beverage Dispensing Equipment* (Daryl Erbs)

Meeting: Tuesday, 8:30am-10:30am, Hilton Room: Key Largo C (LL)

SSPC-72 MOT Open and Closed Commercial Refrigerators and Freezers (Jon Murray)

Meeting: Sunday 1:00pm-5:00pm, Hilton Room: Clermont (L)

(Informational) SSPC-147 Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment Meeting: Tuesday, 8:00am-12:00pm, Hilton Room: Maitland (L)

SPC 210 Meeting MOT/for Rating Commercial Walk-in Refrigerators and Freezer

o Meeting: Monday, 8:00am-12:00pm, Hilton Room: Conway Lake (L)

E. Website (Kyle Larson, Webmaster)

TC10.7 Website Address: <http://tc107.ashraetcs.org>

9. New Business

Notes:

ASHRAE Summer Meeting June 25-29, 2016 St. Louis, MO

ASHRAE Winter Meeting Jan. 28 – Feb. 1, 2017 Las Vegas NV

ASHRAE Summer Meeting June 24-28, 2017 Long Beach CA

10. Adjournment