

TC 10.8 Load Calculations
Sunday, January 24, 3:00-5:00 pm
Minutes

- I. Preliminaries
 - a. Call To Order
Chairman Don Siller called the meeting to order at 3:00 pm.
 - b. Establish Quorum
Quorum was established by 6 of 11 members (including 1 international member) present.
 - c. Introductions
 - d. Attendance Sheet
A total of 12 persons were in attendance.
 - e. Additions or changes to the agenda
Several additions noted and added.
- II. Approval of Dallas Minutes
Approved with the following changes: program subcommittee chair is Bill Kumpf and Handbook subcommittee chair is John Topliss. Moved by Don Fenton and seconded by Bill Kumpf. Passed 6-0-0.
- III. Chairman's Report
Roster was submitted, but contains a couple of issues that Don Siller will work with ASHRAE to correct.

MBOs – TAC liaison asked for a minimum of two (2) MBOs for each committee. 1) Keep website updated. 2) Add a minimum of two (2) new examples to Chapter 13. 3) Add handling of latent load to all examples within the chapter. And 4) sponsor a technical session for Salt Lake City or Chicago ASHRAE meeting revolved around the results of 1210-TRP.

Handbook review suggestions culminated in recommendations for rearranging the Refrigeration Handbook. As an example, including starting the handbook with a more basic chapter on refrigeration systems.

Carbon dioxide continues to be a point of emphasis to add to the handbook. Work is underway by John Topliss for creation of a chapter covering issues surrounding CO₂. TC 10.3 will be the TC responsible for the chapter.

Other “hot” topics, charge minimization, computer control upgrading, and life-cycle-costing (LCC) and tools necessary to calculate LCC.
- IV. ASHRAE Liaison Reports
 - a. *Refrigeration* – Dan Dettmers reported on the creation of a webinar on Introduction to Refrigeration. Requested interested speakers to contact Doug Reindl or Don Cleland.

- b. *Handbook* – Dan Dettmers communicated that the Handbook committee would like us to have more examples and to establish a review committee.
- c. *Program* – Dennis Wessel stressed the pre-loading of programs prior to the meeting. Priority will be downgraded from 1 to 2 for one year if pre-loading is not done. Speakers that do not have programs done & screened by 24 hours prior will not be allowed to speak. For this meeting, 300 sessions were submitted and 210 were accommodated. August 3rd is the deadline for New York programs.
- d. *TAC* – S.A. Sherif communicated information about the newly formed TCs, TGs, and TRGs within ASHRAE.
- e. *Research* – Vic Penar asked about the status of 1210-TRP. Requested that the paperwork be completed and delivered. Vic thanked the committee for the help over the years that he was on RAC. Hugh Henderson will be the RAC liaison for next year.

V. Membership [Jon Edmonds]

As of this meeting Don Cleland, Dhiren Mody & Jim Shepherd have completed their terms and roll off as voting members of the committee.

VI. Research [Don Fenton]

1210-TRP PMS met at lunch today and reviewed the final report submitted by the contractor prior to the meeting. PMS recommends the approval of the final report. Moved by Don Fenton and seconded by John Topliss. Passed 5-0-1.

Discussed development of an RTAR focused on developing an hourly refrigeration load profile in refrigerated facilities. Don Cleland & Todd Jekel will review past ASHRAE work and develop RTAR if justified or report back to committee.

Discussed co-sponsorship of TC 10.5 RTAR-1434 on doorway infiltration.

VII. Handbook [John Topliss]

Bob Burdick worked an example for consideration for inclusion in Chapter 13 that was distributed last meeting. Todd has been converting it to electronic format. Asked for committee review and submission of comments to Bob or Todd. Todd and Don Cleland will work on example.

VIII. Programs [Bill Kumpf]

New Methods for Determining Refrigerated Facility Loads Technical Session (Salt Lake or Chicago)

1. 1210-TRP results, Don Cleland
2. Blast Freezer Infiltration, Doug Reindl or Todd Jekel
3. Cooler Floor Heat Gain, Don Fenton

Dan Dettmers talked about a pre-approved program on sustainability in refrigerated facilities for TC 10.5. TC 10.8 would co-sponsor the seminar.

Potential seminar focusing on Burdick's example specifics at Chicago.

- IX. Standards [Don Siller]
No report.
- X. Website [Todd Jekel]
Updated the website. Added password protected area on the site. Will add the handbook chapter & the roster to the password protected area.
- XI. Old business
 - a. MBO 1: Update website & add password protected area. Done.
 - b. Combination/consolidation of several Section 10 TCs: considered & rejected.
- XII. New business
 - a. Discussion of George Smith papers was tabled due to time constraint.
- XIII. Next meeting New York, Sunday, January 20, 2008.
- XIV. Adjourn
Moved by Todd Jekel, seconded by John Topliss. 5-0-0.