

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS,
INC.**

**1791 Tullie Circle, N.E./Atlanta, GA 30329
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TC/TG/TRG MINUTES COVER SHEET

(Minutes of all TC/TG/TRG Meetings are to be distributed to all persons listed below within 60 days following the meeting.)

TC/TG/TRG NO 3.3 DATE June 29, 2007

TC/TG/TRG TITLE Refrigerant Contaminant Control

DATE OF MEETING June 26, 2007 LOCATION Long Beach

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Alan Cohen – Vice Chair	VM	Robert Woods	VM	Rob Yost - Standards
Joe Karnaz - Program	VM			Eric Newberg - Handbook
Raymond Thomas - Research	VM			Cecily Grzywacz – Handbook Liaison
Sonny Sundaresan	VM			Ken Lilje; David Vincent
Danny Halel	VM			Scott Gustafson; Richard Kelly
Fred Polley	VM			Hewitt Gaudin; Sean Cunningham
				Debra Kennoy; Steven Szymurski
				Ali Nejad; Jorge Cabrera
				Rosine Rohatgi; Sunil Nawjundaram
				Jim Terry; Stephen Spletzer
				Steve Kujak; Jay Field

DISTRIBUTION

All Members of TC/TG/TRG plus the following:

TAC Section Head:	<u>David Geary</u>
TAC Chair: TAC Vice-Chair:	<u>Patricia Graef</u>
All Committee Liaisons As Shown On TC/TG/TRG Rosters:	Don Fenton – RAC Rich Evans – Handbook Sam Cummings – Standards Kimball Ferguson – Special Pubs C Brian Wandling – Program Benjamin Crowley – CTTC
Manager Of Standards	Claire Ramspeck
Manager Of Research & Technical Services	Mike Vaughn
Admin Asst – Technical Services	Tara Thomas

Note: "These draft minutes have not been approved and are not the official, approved record until approved by this committee."

1) Call to Order

Alan Cohen (vice-chair) acting as chair, called the meeting to order at 3:35 pm on Tuesday June 26, 2007. The meeting was held at the Long Beach Convention Center. After introduction of members and guest, a quorum was confirmed with 6 members present. Minutes for the Dallas meeting were approved after one correction (change the title of the minutes from TC 3.2 System Chemistry to TC 3.3 Refrigerant Contaminant Control).

Alan Cohen read the new rollover roster effective July 1, 2007.

Report on TC 3.0 Chair Breakfast Meeting

Chairs Breakfast Notes Sunday June 24, 2007

- ASHRAE president, Terry Townsend, has offered to send letters to employers thanking them for supporting their employees who have participated in ASHRAE activities during the 2006-07 Society year. If anyone would like a letter of thanks sent to his/her employer, please get in touch with Alan Cohen, chair of TC3.3.
- The 2006-07 Society year will end with a \$200k surplus in the budget for research project payments due to a lack of projects underway. TCs, TGs, and TRGs should be encouraged to submit more RTARs and to expedite the development of research work statements this coming year. The \$200k surplus will be rolled into the Research Reserve Fund and invested so the funds are not lost for research and continue to grow. The Fund contains approximately \$6.5 million now, which could be spent on needed research if we had more quality projects on which to spend it.

2) ASHRAE Liaison Comments

Handbook – Cecily Grzywacz

- Stated the handbook needs a subcommittee. Eric Newberg, Handbook Subcommittee Chair informed the TC he has a group consisting of himself, Danny Halel and Bob Woods.
- Inquired about the sustainability aspect of our handbook chapter. The TC informed that what was once in the handbook chapter relating to sustainability (recovery, recycling and reclamation) has been moved to TC 3.8 and now resides in Refrigeration Chapter 8.
- Independent review of the Refrigeration Handbook chapters is now completed and a final report has been submitted. TC's will receive comments back related to this review and how their chapters can be made more practical.
- Reminded the TC at the end of each handbook is a section on Codes and Standards that should be reviewed for completeness.
- CD+ revisions due in February
- New Handbook Chairs Guide will be available later this summer.

Sub-Committee Reports

3) Program – Joe Karnaz

At Long Beach no Programs were sponsored or cosponsored.

- A seminar originally scheduled for Long Beach “Contaminant Control to Protect Expansion Devices” – Sonny Sundaresan Chair, will try to be put on the program for New York. Sonny will attempt to make contact with prospective presenters. If time is too tight, the seminar will be moved to Salt Lake City.
- A motion was made by Danny Halel and seconded by Raymond Thomas to co-sponsor with TC 3.2 a transaction session entitled “Contaminant Control and Research” for Salt Lake City. Motion carried 6-0-0. Two presenters (Rich Cavestri and Bob Kaufman) have volunteered to write papers for the session. These papers need to be submitted to ASHRAE to begin the review process by September 28, 2007. The chair of this session needs to be determined.

Future Program Topics for Discussion:

“Contaminant Control in Transcritical Systems”

“History of Refrigerant Contaminant Control” – will attempt to schedule for Salt Lake City

4) Handbook – Eric Newberg

- Information and the IP and SI copies of the handbook chapter have been downloaded for future use. This information will be sent to the subcommittee and discussion will take place prior to the next meeting.
- The committee plans to meet in New York and report to the TC of their progress.
- Reviewers for the chapter rewrite were also recruited and consist of Jay Field, Sonny Sundaresan, Danny Halel, Bob Woods and Alan Cohen.

5) Standards – Rob Yost

- SPC 35-92R – “Method of Test for Refrigeration Drying”
Has been published – no further action required at this time.
- SPC 63.1 – “Method of Testing Liquid Line Filter Driers”
Reaffirmed in 2004 – no further action required at this time
- SPC 63.2 – “Method of Testing Liquid Line Filter Drier Filtration Capacity”
No progress has been made in reviewing this standard. The working group is looking to receive help from OEM’s and someone who performs the test.
- SPC 78 – “Method of Testing Flow Capacity of Suction Line Filters and Filter Driers”
Reaffirmed in 2006 – no further action required at this time.

6) Research – Raymond Thomas

- RTAR – “Oil Effect on Moisture Distribution Coefficient in HFC’s”
TC 3.2 and TC 3.4 voted to co-sponsor at this meeting.
Will submit RTAR to RAC for approval. A work statement will need to be generated.
This research project has number 1 priority.
- RTAR 1411 – “System Flushing”
Raymond Thomas and Rob Yost will review RAC comments regarding this RTAR before resubmitting prior to next RAC meeting. This research project has number 2 priority.
- Other Research considered for RTAR’s:
 - “MOT for Capillary Tube Plugging” – Has been dropped for consideration as a research project and will be created as a standard. Sonny Sanderesan and Jay Field will work on a title, purpose and scope.
 - “Users Guide to System Chemistry Maintenance” – will be kept in the minutes as a long-range plan.
- Alan Cohen asked that a table of TC 3.3 research plans be created and posted on the website. Raymond Thomas will work on this.

7) Webmaster – Alan Cohen

- Updated minutes and committee roster will be posted on the website.

8) Membership – Frank Nagy

- Frank Nagy not present – Alan Cohen read the rollover roster earlier in the meeting.

9) Old Business

- No old business.

10) New Business

- No new business.

11) Adjournment

- A motion was made by Danny Halel and seconded by Joe Karnaz to adjourn the meeting. Motion carried 6-0-0.