

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.
1791 Tullie Circle, N.E./Atlanta, GA 30329
404-636-8400

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 3.2 DATE January 31, 2011

TC/TG/TRG TITLE System Chemistry

DATE OF MEETING January 31, 2011 LOCATION Las Vegas, NV

MEMBERS PRESENT	STATUS	MEMBERS ABSENT	STATUS	MEMBERS ABSENT
Thomas Leck	Chair/VM	Robert Woods	VM	Nandini Mouli CM
Raymond Thomas	VC/VM	Kirsten Ahrenstorf	IM	Fred Polley CM
Danny Halel	Sec/VM			William Walter CM
Rob Yost	SSC/VM	Yanwei Cen	CM	Thomas Watson CM
Stephen Kujak	VM	Richard Cavestri	CM	David Wilson CM
Liz Dixon	RSC/IM	Jorge Cabrera	CM	Xiaomei Yu CM
Sonny Sundaresan	HBC/VM	Charlie Butler	CM	Stephen DeNoia CM
Allen Cohen	VM	James Bouril	CM	
		Chris Bertelo	CM	
Scott Gustafson	ALI/CM	Karim Amrane	CM	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Ken Lilje	PSC/CM	Jay Field	CM	Rosine Rohatgi
Don Schuster	CM	Clinton Finstad	CM	Ray Cohen (Research Liaison)
Dave Vincent	Webmaster	Sunil Nanjundaran	CM	Warren Clough
Eric Newberg	CM	Andrew Gbur	CM	Brett Van Horn
Chris Seeton	CM	John Manselas	CM	Bill Simonsick
Stephen Speltzer	CM	Amy Rice	CM	Ed Hessell
Dale Carr	CM	Donna Bossmann	CM	Umar Khokhar
Robert Doerr	CM	David Bellas	CM	John Hughes
Marc Scancarello	PCM	Dale Carr	CM	
Joe Karnaz	CM	Barry Milward	CM	
Julie Majurin	CM	Tony Min	CM	
Joe Nigro	CM	Katrin Juch	CM	

DISTRIBUTION

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

TAC Section Head: Brian Silveti	
TAC Chair: Brian Becker	
All Committee Liaisons As Shown On TC/TG/TRG Rosters: Don Fenton – RAC Ray Cohen – Research (In attendance)	Douglas Abramson – Standards John Clark – Special Pubs
Manager Of Standards Manager Of Research & Technical Services	Stephanie Reiniche Mike Vaughn
Note: These draft minutes have not been approved and are not the official, approved record until approved by this committee.	

Call to Order

Tom Leck, Chair, called the meeting to order at 2:15pm on Monday, January 31, 2010. The meeting was held in the Hilton Pavillion 9 of the Las Vegas Hilton Convention Center in Las Vegas, NV. After the introduction of members and guests, a quorum was confirmed with 9 members present (including chair) 1 International Members with 0 member absent.

MOTION #1 A motion was made by Ken Lilje and seconded by Sonny Sundaresan to approve the minutes as written from January 2010 meeting in Orlando, FL.

MOTION PASSED 9-0-0 CV

Report on TC 3.0 Chair Breakfast Meeting

- ASHRAE is encouraging its members to use the website, there are many new updates on the website – CHECK IT OUT!!
- The Programs committee has changed the process to submit forums, seminars and symposia.
- The timelines are a little bit different with the new procedures, the Program SC Chair (or anyone for that matter) can attend a training session held on Tuesday of this week.
- If you would like ASHRAE to send to your employer a letter of Thank You, this can be done on the ASHRAE website.
- Hightower Award Nominations are due Sept 1, 2010.

Sub-Committee Reports

Program – Ken Lilje

Las Vegas

Programs of Interest

Las Vegas Programs of Potential Interest (check schedule to verify times and locations)

- Seminar 3 (TC 8.11) Sunday 8:00am-9:30am. Low GWP Options for Unitary Equipment
- Seminar 6 (TC 3.01) Sunday 11:00am-12:30pm. Building a Sustainable Future by removing Barriers for Low GWP Refrigerants
- Seminar 12 (TC 3.08) Sunday 1:30pm-3:00pm. Cradle to Grave Refrigerant Management
- Seminar 22 (TC 3.01) Monday 8:00am-9:30am. Vapor-Compression Cycles, Systems and Components w/ Natural Refrigerants

Albuquerque

- SEMINAR - 41 Tuesday *Natural Refrigerants*
- SEMINAR – 61 Wednesday *Add Title*

Potential Programs

- Fundamentals of Carbon Dioxide Refrigeration Systems, Chair Ken Lilje
- Acid Number and Other Health Indices for System Chemistry, Chair Sonny Sundaresan
- Others?

Montreal Seminar Submission Deadline and Theme – Net-Zero Buildings. February 14, 2011

Conference Program Procedure Updates (under consideration)

- Speakers “Graded” (evaluation). Potential to be banned should “insufficient” ratings are obtained
- Considering ways to deal with No-Shows
- Discussion methodology of giving “unscheduled” Seminars at TC Meetings

There was concensus from members that a comment should be registered with the TAC with regards to general dis satisfaction with the Program selection process, as our programs continue to not be accepted. A comment will be filed with the TC Activities Feedback Form.

Handbook – Sonny Sundaesan

- The Handbook is complete.
- Sonny would like to thank the Sub-Committee for their work on the Chapter rewrite.
- Unfortunately, ASHRAE was not able to reproduce some of the artwork submitted however, the references are included.

Standards –Rob Yost

- SPC 175 – “Metal Pressure Vessel Method to Test Materials Used with Refrigeration Systems”
 - Joe Karnaz – Chair. Committee members are Alan Cohen, Ken Lilje, Rosine Rohatgi and Chris Seeton, they meet at 4:15 pm on Monday. A few minor issues need to be discussed.
- SPC 97-2007 – Sealed Glass Tube Method to Test for Chemical Stability of Materials for Use Within Refrigerant Systems Chris Seeton is Chair.

Research – Liz Dixon/Scott Gustafson

Research Liaison – Ray Cohen

The Research Liaison advised that all of our projects are up-to-date and asked if we had any questions. The MOP for Research Committee has been adopted with a few changes and will be posted on the web in early July. A set of Research Goals have been completed and are available. Funding for Research is very tight.

Sub committee members include: Jay Field, Ken Lilje and Bob Doerr.

TC 3.2, 3.3 and 3.4 meet as a group on Sunday afternoon at 4pm. All interested parties are welcome.

- WS 1410 – Effects of System Materials Towards the Breakdown of POE Lubricants and HFC Refrigerants Part 2 – Accepted for bid by ASHRAE RAC October 2009. Committee includes: Bob Doerr, Jay Field, Joe Karnaz, and Steve Kujak - Chair. The Work Statement is wating to go to bid waiting for ASHRAE to receive additional Research funding.
- RP 1409 – Stability of Candidate Lubricants for CO₂ Refrigeration Systems – Awarded to Spauschus Associates. Work is near complete. All tests are complete and the final report will be forthcoming.

Webmaster – Dave Vincent

- The website is up to date and accessible on the ASHRAE website.

Membership – Ken Lilje

The roster was reviewed and the Chair advised that if anyone in the room wanted to join this Committee please see the Chair. .

The Chair asked for additional members if anyone was interested.

Voting Members – 9 International Members - 2 Corresponding Members – 37

Leadership of the committee as of July 1, 2010:

Tom Leck – Chair

Raymond Thomas – Vice Chair

Danny Halel - Secretary

Sonny Sundaesan – Handbook

Ken Lilje – Program

Rob Yost - Standards

Elizabeth Dixon – Standards

David Vincent – Webmaster

Scott Gustafson - ALI

Old Business

- No old business was brought forth to the committee.

New Business

Our next Meeting will be on Monday, June 27, 2011 in Montreal, Quebec CA.

Adjournment

MOTION #2 A motion was made by Steve Kujak and 2nd by Sonny Sundaresan to adjourn the meeting at 4:08 pm.