

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 20, 2014

TC/TG/TRG TITLE System Chemistry

DATE OF MEETING January 20, 2014 LOCATION New York City

MEMBERS PRESENT	STATUS	MEMBERS ABSENT	STATUS	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Joe Karnaz	Chair/VM	Kirsten Ahrenstorf	CM	Travis Benanti
Danny Halel	Sec/VM	Liz Dixon	RSC/CM	Leonard Challenger
Julie Majurin	VM	Corey Anderson	CM	Hewitt Gaudin
Ken Lilje	PSC/VM	Karim Amrane	CM	Pat Gilbane
Dave Vincent	Web/VM	Chris Bertelo	CM	Scott Wujek
Rob Yost	SSC/VM	Charlie Butler	CM	Amanda Hickman
Brad Boggess	VM	Christopher Reeves	CM	Glenn Hourahan
Scott Gustafson	ALI/CM	Dale Carr	CM	John Hughes
Rosine Rohatgi	HBC/VChai	Richard Cavestri	CM	Bianca Hydutsky
Alice Reimer	NQM	Yanwei Cen	CM	Joe Karnaz
Jorge Cabrera	VM	Clinton Finstad	CM	Dan Miles
Warren Clough	VM	Andrew Gbur	CM	Ramon Pons
Jay Field	CM	Ersin Gercek	CM	Knut Petry
Michael Foster	CM	Katrin Juch	CM	Eric Schweim
Ed Hessell	CM	Barry Milward	CM	Greg Smith
Raymond Thomas	CM	Tony Min	CM	Roberto Urrego
Stephen Kujak	CM	Eric Newberg	CM	Brett Van Horn
Thomas Leck	CM	Fred Polley	CM	John Whithouse
Frank Nagy	CM	Mark Baker	CM	
Joe Nigro	CM	Curtis Slayton	CM	
Alan Cohen	CM	William Walter	CM	
Marc Scancarello	CM	Robert Woods	CM	
Chris Seeton	CM	Glen Steinkoenig	CM	
Stephen Spletzer	CM			
Sonny Sundaesan	CM			

DISTRIBUTION

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

TAC Section Head: Bill Murphy	
All Committee Liaisons As Shown On TC/TG/TRG Rosters: Research Liaison – Mark Spatz	Standards - Douglas Abramson Special Pubs - William Fleming
Manager Of Standards – Stephanie Reiniche Manager Of Research & Technical Services – 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

Chair Joe Karnaz, called the meeting to order at 2:15 pm on Monday, June 20, 2014. The meeting was held in the Regent Room of the Hilton Hotel in New York City, NY. After the introduction of members and guests, a quorum was confirmed with 10 members present (including chair) 1 International Members with 1 member absent.

The Agenda was approved as written.

MOTION #1 A motion was made by Warren Clough and seconded by Rosine Rohatgi to approve the Minutes from Summer 2013 (Denver) with a minor update to our roster.

MOTION PASSED 10-0-0 CV

Report on TC 3.0 Chair Breakfast Meeting

- ASHRAE Code of Ethics (See <https://www.ashrae.org/about-ashrae>).
- Programs for NYC had 109 slots available with over 375 submissions.
- Seattle Program due February 13th.
- Outstanding TC Award will be awarded to each Section.
- ASHRAE is encouraging TC to seek YEA members
- ASHRAE wants you to update your bio, this is very important (new Category – Employment Discipline).
- ASHRAE continues to do trial E-meetings, if we want to participate in that the Chair should contact the Section Head.

Upcoming meetings

- Seattle June 2014
- Chicago Jan 2015

Sub-Committee Reports

Program – Brad Boggess

There were 3 papers presented at the NYC meeting.

February 13th is the date for final submittal of Programs for Seattle.

The Forum that was scheduled for NYC was declined, Danny Halel was asked to change the concept to a Workshop Things to know about CO2 systems. In Chicago

MOTION #2 A MOTION was made by Julie Majurin and seconded by Rob Yost to sponsor a Workshop at the meeting in Chicago entitled *Things to Know about CO2 Systems*. Chair – Danny Halel

MOTION PASSED 10-0-0 CV

We have already voted to submit a Seminar titled *HVAC&R Systems Material Compatibility with Low GWP Refrigerants* Chair- Steve Kujak in Seattle.

The R-40 project and its papers should be ready for Chicago.

Handbook – Rosine Rohatgi

The Handbook was submitted on schedule. Chair - Rosine Rohatgi and her Subcommittee was thanked for their work on Chapter 6 Refrigerant System Chemistry – Refrigeration Handbook.

Committee Members include – Rosine Rohatgi – Chair, Warren Clough, Joe Longo, Chris Seeton, Sonny Sundaresan, Ed Hessel, and Jay Field.

The new Handbook Chair will be Greg Smith.

Standards –Rob Yost

- SPC 175 – “Metal Pressure Vessel Method to Test Materials Used with Refrigeration Systems”
 - Joe Karnaz – Chair. Committee members are Joe Karnaz, Alan Cohen, Ed Hessel, Brad Boggess, Rosine Rohatgi and Chris Seeton, will not meet at 4:15 pm on Monday. The committee is very close to a final draft. ASHRAE has asked for a few more additions, when these are complete the TC can complete a letter ballot.
- SPC 97-2007 – Sealed Glass Tube Method to Test for Chemical Stability of Materials for Use Within Refrigerant Systems
 - Chris Seeton is Chair. The Committee is working on the draft. Conference Room L in the Sheraton at 9:20am on Tuesday morning.

Research – Mark Baker

- RP 1410 – Effects of System Materials Towards the Breakdown of POE Lubricants and HFC Refrigerants Part 2 – The draft Final Report is complete. After this meeting we will be going into Executive Session to vote on the work. Project Monitoring Sub-Committee includes: Jay Field, Joe Karnaz, Mark Scancarello and Steve Kujak - Chair.
- RP-1665 “Reactivity of R-40” The PMS is working with the vendor. Should be finished prior to Seattle.
- RTAR is being worked on - Water Level Effects on Low GWP Refrigerants – Boggess is working on it. TC 3.3 is working on it as well.

Additional ideas include:

RP1410 Follow Up – any additional process chemicals on HFO systems.

Follow Up on the Reactivity of R-40 work. In-situ Identification and remediation of by products of R-40 systems.

Research Breakfast Review

A review of all projects was done,

There 62 active projects totaling \$11 million.

Six were completed and 10 were opened as new.

There are additional dollars available, continue to work on submitting RTAR’s

Webmaster – Dave Vincent

Dave Vincent reported that the website is up to date.

Membership – Joe Karnaz

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

The Chair asked for additional members if anyone was interested.

Voting Members – 11 International Members - 1 Corresponding Members – 44

Leadership of the committee as of July 1, 2013:

Joe Karnaz – Chair

Rosine Rohatgi – Vice Chair & Handbook

Danny Halel – Secretary

Brad Boggess – Program

Rob Yost – Standards

Mark Baker – Research

David Vincent – Webmaster

Old Business

- MTG Low GWP Refrigerants – Tom Leck. We will be adding this to the Agenda. The committee is set to provide support and communication between TC's to insure proper communication and program acceptance. All programs should include MTG as a Co-Sponsor.

New Business

- No new business was brought forth to the committee.

Adjournment

The meeting was adjourned at 3:26pm by Chair Joe Karnaz. Motion was made by Rosie 2nd

Respectfully submitted,

Danny Halel – Secretary