



**ASHRAE** American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

**Technical Committee 3.2 – Refrigerant System Chemistry<sup>1</sup>**

Draft Agenda Annual Conference 2020

Orlando

Monday, February 3, 2020 – 2:15 to 4:15 pm

Hilton Orlando, LL, Orange E

Name	Affiliation	Term*
<b>Voting Members</b>		
Ed Hessell – <b>Chair</b>	Lanxess	2020
Joe Karnaz – <b>Vice Chair</b>	Shrieve	2020
Rob Yost – <b>Standards</b>	National Refrigerants	2021
Steven Baker- <b>Secretary</b>	Emerson	2021
Julie Majurin	CPI Fluid Engineering	2023
Dave Vincent- <b>Webmaster</b>	BVA Inc.	2021
Casey Scruggs- <b>Research</b>	Metalloid Corporation	2023
Elyse Sorenson	Ingersoll Rand	2022
Ngoc Dung (Rosine) Rohatgi	Spauchus Associates	2022
Jian Sun-Blanks	Chemours	2022
Danny Halel	ACCA	2021
Sarah Kim	Arkema	2021
Knut Petry	Carrier	2023
John Senediak	Intertek	2020
<b>Non-Voting Officers</b>		
Brad Boggess- <b>Programs</b>	Emerson	NA
Greg Smith- <b>Handbook</b>	Honeywell	NA

\*Term expiration date on June 30<sup>th</sup> of year listed.

**1.) CALL TO ORDER (Ed Hessell)**

- Introduction of Members and Guests

**2.) ASHRAE CODE OF CONDUCT -**

*“Commitment to the ASHRAE Code of Ethics – In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests. (See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>)”*

**3.) ROSTER REVIEW AND CONFIRMATION OF QUORUM (Ed Hessell/Joe Karnaz)**

*Members may retrieve the complete committee roster from the ASHRAE website. Visit [ASHRAE.org](http://ASHRAE.org) and sign in with your member info (from the “Join or Login” tab at top of page). The line “Welcome, [your name] will appear at the very top of the page; click on “My Account” to bring up your “ASHRAE Member Profile”; click on “Committees” tab (left side of page) to bring up “My Active Committees”. A line with “T-TAC-TC03.02” should appear; click the “Roster” link to download a pdf of the TC 3.2 roster.*

<sup>1</sup> TC 3.2 is concerned with all chemical reactions occurring inside refrigerant systems and with effects of temperature, pressure and materials on the reaction rates.

**4.) APPROVAL OF AGENDA (Ed Hessell)**

**5.) APPROVAL OF 2019 SUMMER MEETING (Kansas City) MINUTES (Joe Karnaz)**

**6.) REPORT ON TC CHAIR’S BREAKFAST (Ed Hessell)**

- This meeting provides the Section Chairs a forum for distribution of current direction and guidelines for any requirements related to ASHRAE activities including technical and research direction, standards, publications, etc.

**7.) LIAISON COMMENTS (may be adjusted to accommodate the Liaison’s schedule)**

- Barbara Minor (Section Head)
- Steve Kujak (Research)
- Frederick Betz – Handbook Refrigeration
- Vinod Gupta - Standards

**8.) PROGRAM SUBCOMMITTEE REPORT (Brad Boggess)**

**i. Review of Sponsored, Co-sponsored or Programs of Interest**

**Seminar 22:** Yay! For YEA! Refrigerants and Refrigeration Concepts for YEA Members, by YEA Members.

Sunday (2/2) 1:30 to 3PM, Hilton Orlando, Orange G.

**Seminar 54:** Lubricants and Lubrication: What is Important for Lower GWP Refrigerants?

Tuesday (2/4) 11AM to 12:20 PM , Hilton Orlando, Orange F

**Seminar 29:** Assessing the Materials Chemistry of Next Generation Refrigeration Technologies

Monday (2/3) 9:45 to 10:45 AM Hilton Orlando, Orlando V

**Seminar 36:** Residential Refrigerators with A3 Flammable Refrigerants Coming Soon to Your Home.

Monday, 11:00am to 12:00pm, Hilton Orlando, LL, Orange F

**ii. Update from Monday’s TC 3 Combined Program Subcommittee Meeting.**

- Monday, 10:30-noon, KCCC, 2215A

**iii. Discussion of Future Programs**

**9.) HANDBOOK SUBCOMMITTEE (Greg Smith)**

- Committee members: Greg Smith (chair); Rosine Rohatgi; Brad Boggess; Ed Hessell; Chris Campo.

**10.) STANDARDS SUBCOMMITTEE (Rob Yost)**

**11.) RESEARCH SUBCOMMITTEE (Casey Scruggs)**

- **Updates for Ongoing Research Projects**
- **Updates on Work Statements**
  - o “Kinetic and Mechanistic Studies of the Breakdown of HFO Refrigerants”. Chair – Elyse Sorenson. With Sonny Sundaresan, Elyse Sorenson will circulate proposal prior to the next TC meeting

- **Updates on RTARs**
  - o Proposed RTAR – “HFO Refrigerant Compatibility with Aged Lubricants and Contaminants”.
  - o RTAR 1886– “Kinetic and Mechanistic Study of the Breakdown and Interactions of HFO Refrigerants”
- **New Research Project Proposals**

## 12.) WEBMASTER (Dave Vincent)

Website Update

## 13.) MEMBERSHIP (Ed Hessel/Joe Karnaz)

### Update:

- Voting Members (14): See voting members and officers list above.
- Officers:
  - Chair – Ed Hessel
  - Vice Chair – Joe Karnaz
  - Secretary – Steve Baker
  - Handbook- Greg Smith
  - Programs – Brad Boggess
  - Standards – Rob Yost
  - Research – Casey Scruggs
  - Webmaster – Dave Vincent
  - ALI – Scott Gustafson
  - MTG Low GWP – Tom Leck
  - MTG RAC Plant Sustainability Guide – Jessica Jude

Roster: Anyone interested in becoming a corresponding member please go to the ASHRAE website and join as a Provisional Member:

[https://eweb.ashrae.org/eweb/TS\\_ProvisionalSignup.html](https://eweb.ashrae.org/eweb/TS_ProvisionalSignup.html)

or

[www.ashrae.org/joinatc](http://www.ashrae.org/joinatc)

## 14.) MTG Updates

- Lower GWP Refrigerants (Tom Leck)
- Guide for Refrigeration and Air-Conditioning (RAC) Plant Assessments (Jessica Jude).

## 15.) Old Business (Ed Hessel)

## 16.) New Business (Ed Hessel)

- Update on Proposed Merger of TC 3.2 and TC 3.3 (Ed Hessel/Joe Karnaz)

## 17.) Next Meeting

- 2020 ASHRAE Summer Annual Meeting; Austin, TX; June 27-July 1.

## 18.) Adjourn

### Addendum 1

Draft minutes Kansas City Summer Meeting 2019