



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

Technical Committee 3.2 – Refrigerant System Chemistry and Contaminant Control

Agenda Annual Conference 2023 Tampa (Hybrid)

Tuesday June 27th, 2023 – 3:30 to 5:30 pm (EST)

JW Marriott, Adamo (3)

Log in information provided below for virtual attendees

Name	Affiliation	Voting Member
Joe Karnaz – Chair	Shrieve	Yes
Valerie Lisi - Vice Chair	Carrier	No
Casey Scruggs – Research	Metalloid	Yes
Ivan Rydkin – Handbook	Daikin	Yes
Dave Vincent - Webmaster	BVA	Yes
Sheli Porter - Standards	Stellar Laboratories	Yes
Greg Smith	Honeywell	Yes
Ed Hessel	Lanxess	Yes
Julie Majurin	AHRI	Yes
Brad Boggess	Emerson	Yes
Steve Kujak	Trane Technologies	Yes
Justin Allemann	Parker Hannifin	Yes
Bob Low	Koura	Yes MNQ
Morgan Leehey - Secretary	Trane Technologies	No
Shelby Kent - Programs	Shrieve	No
Marc Scancarello - MTG Low GWP	Emerson	No
Chris Campo - ALI	Shrieve	No
Rashid Zakeri – MTG Sustainable RAC	Circle Proscio	No

Virtual Meetings and Conference Log-in Information

TC 3.2 Meeting (Hybrid) – June 27th, 2023 3:30 pm – 6:00 pm (EST)

Link for Virtual Attendees;

<https://ashrae.webex.com/wbxmjs/join/service/sites/ashrae/meeting/download/f22c80046ab4425897b4765490ac69cb?siteurl=ashrae&MTID=mf7822c8b818c680d59797822c34585b5>

Additional details if needed or Join via Phone– Meeting Number 2349 639 6326; Password mSE6pwJ667y; Join by phone 18662994153 United States of America Toll Free +14702385742 US Toll Access code: 2349 639 6326

TC 3.1, TC 3.2, TC 3.4 & TC 3.8 Combined Research and Program Virtual Meeting – June 13th, 2023 2:00 pm – 4:00 pm (EST)

Link for Attendees:

<https://ashrae.webex.com/wbxmjs/join/service/sites/ashrae/meeting/download/6b9f7b70235047feaf0d25509aa521d?siteurl=ashrae&MTID=me75f783f8b7ad4db51e97d580be29532>

Additional details if needed or Join via Phone– Meeting Number 2335 145 5079; Password KDpPJPgu643; Join by phone 18662994153 United States of America Toll Free +14702385742 US Toll Access code: 2335 145 5079

The schedule of all virtual meetings, technical programs and other meetings can be found at

<https://www.ashrae.org/conferences/2023-annual-conference-tampa>

1.) Call to Order (**Joe Karnaz**)

- Virtual conference housekeeping
- Introduction of members and guest
- Meeting Sign-in

2.) ASHRAE Code of Conduct - <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>

3.) Confirmation of Quorum (**Joe Karnaz**)

4.) Approval of TC 3.2 2023 Annual Conference Hybrid Meeting Agenda (**Joe Karnaz**)

5.) Approval of TC 3.2 2023 Winter Hybrid Meeting Minutes (**Joe Karnaz**)

6.) Report of TC Chair's Breakfast Meeting (**Joe Karnaz**)

7.) Liaison Comments (may be adjusted to accommodate the Liaison's schedule)

8.) Subcommittee Reports

Programs (**Shelby Kent**)

TC 3 Combined Programs Web Meeting on June 13th from 2pm to 4pm EST

Review of Sponsored, Co-sponsored or programs of interest for this meeting

Co-Sponsor Seminar 9: Properties of Refrigerants and Lubricants to Comply with the AIM Act
Sunday June 25th 9:45-10:45am (JW Marriott, Tampa Bay 8)

Other Programs of Interest in Tampa

Seminar 25: A2L Refrigerant Standards Review Part 1 – Monday June 26th 9:45-10:45

Seminar 60: A2L Refrigerant Standards Update Part 2 – Wednesday June 28th 9:45-10:45

- Update from Program Subcommittee Meeting.
- Timeline for program submission
- Programs Ideas and Discussion of Future Programs:
 - o Chicago Winter 2024
 - o Indianapolis Summer 2024

Handbook (**Ivan Rydkin**)

- Updates on Handbook activities and meetings – Committee volunteers for 2026 Handbook
- Chapter 6 *Refrigerant System Chemistry*
- Chapter 7 *Control of Moisture and Other Contaminants in Refrigerant Systems*

Standards (Sheli Porter)

Updates:

- **GPC 38** “*Metal Pressure Vessel Testing to Test Materials Used with Refrigeration Systems*”
- **SPC 97** “*Sealed Glass Tube Method to Test Chemical Stability of Materials for Use Within Refrigerant Systems*”
- **SPC 35** “*Method of Testing Desiccants for Refrigerant Drying*”
- **SPC 63.2** “*Method of Testing Liquid Line Filter Drier Filtration Capacity*”
- **SPC 78** “*Method of Testing Flow Capacity of Suction Line Filters and Filter Driers*”
- **SPC 219** “*Method of Testing Acid Filters*”
- **New Ideas for standards or guidelines**

Research (Casey Scruggs)

TC 3 Combined Research Web Meeting on June 13th from 2pm to 4pm EST

Current Research Activities Updates:

- **RTAR 1856** – “*Determine the Effect and Allowable Limits of Moisture and Contaminants in CO₂ Systems*”
- **RTAR 1886** – “*Kinetic and Mechanistic Studies of the Breakdown of HFO Refrigerants*”
- Update from Research Subcommittee Meeting
- Review discussion from Atlanta that were captured in the minutes on materials of construction and alloy compatibility research ideas.
- Others – Any research needs and gaps from review of Handbook Chapters
- Future Research needs and New Research ideas

Webmaster (Dave Vincent)

Website Update

9.) MTG Lower GWP Refrigerants TC 3.2 and TC 3.4 (**Marc Scancarello**)

Update: Recent activity

10.) MTG Sustainable RAC (**Rashid Zakeri**)

Update: Recent activity

11.) Membership (**Joe Karnaz**)

- Review committee members and leadership team for new society year

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

12.) Old Business (**Joe Karnaz**)

13.) New Business (**Joe Karnaz**)

14.) Adjournment