



A G E N D A

DRAFT

TECHNICAL COMMITTEE

2026 Winter Meeting

February 3rd, 2026

~~Note: These draft minutes have not been approved and not the official, approved record until approved by the Technical Committee.~~



180 Technology Parkway NW, Peachtree Corners, GA 30092
404-636-8400

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TC/TG/MTG/TRG MINUTES COVER SHEET

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

TC/TG/MTG/TRG No. 8.4 DATE 01/19/2026

TC/TG/MTG/TRG TITLE Air-to-refrigerant heat transfer equipment

DATE OF MEETING 02/03/2026 LOCATION Las Vegas

MEMBERS PRESENT	YEAR APPTD	Attendance	YEA?
Arindom Joardar (Vice Chair, VM, timing out 06/30/2028; acting secretary for this meeting)S	2024		
Dhruv Hoysall (VM, Mem. SC Chair, timing out 06/30/2029)	2025		
Min Che (VM, timing out 06/30/2029)			
Christian Bach (Chair, VM, timing out of Chair position 06/30/26)	2024		
Pedro Perez (Program Chair, VM timing out 06/30/2029)	2024		
Antonio Oliveria (Standards Chair, VM, timing out 06/30/2028)	2024		
Kashif Nawaz (Handbook Chair, VM, timing out 06/30/2029)	2022		
Kishan Padakannaya (Research Chair, VM, timing out 06/30/2026)	2021		
Pratik Deokar (Webmaster, VM, timing out 06/30/2026)	2022		
Matthew Baker (VM, timing out 06/30/2026)	2022		
Vikrant C Aute (MTG Liaison, VM, timing out 06/30/2026)	2022		
Lokanath Mohanta (Secretary, NV, position needs updating in roster)	2024		
Omar Abdelaziz (VM, timing out 06/30/2028)	2024		
Jun Li (VM, timing out 06/30/2026)	2022		
Stanislav Perencevic (VM, timing out 06/30/2026)	2010		
Yang Zou (NV)	2021		
Ratnesh Tiwari (NV)	2018		
Patrick Birbarah (PVCM)			
Amir Jokar (CM)			
ABM Imran Chowdhury (PVCM)			Y
Kalyan Boyina (PVCM)			Y
Rohit Dhumane (PVCM)			

Ray Rite (CM)			
Scott Wujek (CM)			
John S Jaher (Guest)			Y
Man-Hoe Kim (CM)			
Carl Huber (Guest)			
Aaron Alexander (Guest)			
S. Ria Mossakui (Guest)			Y
Yoram Shabtay (Guest)			Y
Naomi Carmeli-Shabtai (Guest)			
Paul Kalinowski (Guest)			
Sarah Churchwell (Guest)			
Xudong Wang (Guest)			
Amrat Ranka (Guest)			
Jimmy Tancabel (Guest)			
Saqib Ayuob (Guest)			
Yirong Yang (CM)			
DISTRIBUTION: All Members of TC/TG/MTG/TRG plus the following:			
TAC Section Head:	SH0804@ashrae.net		
All Committee Liaisons as Shown On TC/TG/MTG/TRG Rosters (Research, Standards, ALI, etc.)	See ASHRAE email alias list for needed addresses.		
Steve Hammerling, Assistant Manager of Research & Technical Services	AMORTS@ashrae.net		

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Initially 1 Voting member was short of quorum.

I. CALL TO ORDER**II. Review of Scope****III. SELF INTRODUCTIONS AND ATTENDANCE:**

- The Chair requested everyone present in-person and online to introduce themselves with names and affiliations. Attendance sheet was available in the meeting room to sign for those physically present. Chair identified x voting member absent to get the quorum (as of x:xx pm x voting members present, x absent)

IV. APPROVAL OF 2025 Winter Orlando MEETING MINUTES (not approved at last meeting – did not reach quorum at beginning of meeting)**V. APPROVAL OF 2025 SUMMER Phoenix MEETING MINUTES****VI. UPDATE FROM CHAIR'S BREAKFAST REPORT (Christian Bach)**

Chair skipped detailed discussions of the chairs breakfast as the topic likely was covered multiple times for most members in other meetings. Chair breakfast notes attached.

(insert PDF once available)

VII. RESEARCH BREAKFAST UPDATE (Kishan Padakannaya)

- Update the below at the meeting
- Carl Huber is still Section 8 head for RAC
- To date ASHRAE has sponsored projects with \$M in fundings
- RP, Research Promotion, campaign has raised \$M, their goal is close to \$M
- The current research budget is \$M for 2025-2026.
- There is training for RTARs, PTARS, and WS. PES and PMS need mandatory training. The next training session is on xx.
- New 'Research Portal' is open to submit RTAR submission, to reduce manual work.
- Next RTAR submission deadline is August 15
- Several awards are available
- RAC committee slides below for further detail:
(insert slides once available)

VIII. CHANGE IN MEETING DATE AND LOCATION

The current meeting slot is at the very end of the conference for most attendees, some cannot make it to the committee. Propose to move to Monday or Tuesday while avoiding TCs 8.1, 8.8, and 8.11 which meet at:

- Monday 4 to 6 PM for TC 8.11
- Tuesday 1 to 3 pm for TC 8.08
- Tuesday 3:30 to 5:30 pm for TC 8.1

Proposed timeslots:

- Sunday 2:30 to 4 PM prior to the TC 8..11 subcommittee meeting

- Monday 1 to 3 PM
- Monday 2 to 4 PM
- Tuesday 5 to 7 PM

IX. RESEARCH SUBCOMMITTEE REPORT (Kishan Padakannaya)

Currently there is no active research under TC 8.4.

1. RP-1785 Charge project – TC 8.11 sponsoring.
 - a. TC 8.4 is co-sponsoring. Christian Bach is PI, Ray Rite is PMS chair. PMS approved final repaired, awaiting TC vote.
2. RP-1683 Ammonia U-bend Project – TC 1.3 sponsoring
3. RP-xxxx Charge project - TC 8.11 sponsoring
 - a. TC 8.4 co-sponsoring. Ray Rite is PMS chair, Dr. Abbas (GIK Institute) is PI and Lorenzo Cremaschi is co-PI.
 - b. Project is complete. Status/approval to be added

New Research:

1. ...
- 2.

New Ideas:

1. ...
2. ..

X. TAC SECTION HEAD REPORT (NA) HANDBOOK SUBCOMMITTEE REPORT (Kashif Nawaz)

XI. PROGRAMS SUBCOMMITTEE REPORT (Pedro Perez)

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XII. MEMBERSHIP REPORT (Ratnesh Tiwari)

No report.

XIII. STANDARDS SUBCOMMITTEE REPORT (Omar Abdelaziz)

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XIV. MTG LIAISON REPORT (Vikrant Aute)

MTG.LowGWP

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XV. WEBMASTERS REPORT (Pratik Deokar)

Pratik Deokar relayed that the website was up to date.

XVI. OLD BUSINESS

XVII. NEW BUSINESS

XVIII. ADJOURNMENT

Committee adjourned after completion of discussions. (motions, seconds, all in favor)

Adjourned at : pm

XIX. ATTENDANCE Sheets/Snapshots

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