



MINUTES

TECHNICAL ACTIVITIES COMMITTEE

2024 Annual Meeting

June 22 & June 26, 2024

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

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June 22 & June 26, 2024

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**PRINCIPAL MOTIONS
TECHNICAL ACTIVITIES COMMITTEE
June 22 & June 26, 2024**

No.	Motion	Status
1	Motion to accept minutes of the May 6 th TAC meeting.	PASSED
2	that TAC approve the draft TAC Strategic Plan	PASSED
3	that TAC approve the following TC 3.1 scope change:	PASSED
4	that TC 1.10, <i>Combined Heat and Power</i> , move from Section 1, <i>Fundamentals and General</i> , to Section 6, <i>Heating Equipment, Heating and Cooling Systems and Applications</i> .	PASSED
5	that TAC disband TRG9.CCD, Cold Climate Design	PASSED
6	That TAC approve the following TC 8.1 scope change:	PASSED
7	That TAC approve the following TC 8.2 scope change:	PASSED

**ACTION ITEMS
TECHNICAL ACTIVITIES COMMITTEE
June 22 & June 26, 2024**

No.	Responsible Party	Action	Status
1	Reindl	Review Standards interest categories as a starting point for defining TAC categories and make a proposal to TAC	
2	Mercer	Send comments on lack enough time between review and acceptance of technical papers to make travel accommodations to meetings to CEC	
3		Staff would post all FG title and scope changes, and section changes to ASHRAE website (Action Item 3).	

LIST OF ATTACHMENTS

- ATTACHMENT A:** TAC Strategic Plan.
ATTACHMENT B: PEAC report

LIST OF ACRONYMS

ALI	ASHRAE Learning Institute
BOD	Board of Directors
CEBD	Center of Excellence for Building Decarbonization
CEC	Conference and Expositions Committee
CEU	Continuing Education Unit
CTTC	Chapter Technology Transfer Committee
CNV	Chair Not Voting
Ex-O	Ex-Officio
FG	Functional Group
GTIC	Global Technical Interaction Committee
ISO	International Standards Organization

MBO	Management by Objectives
MOP	Manual of Procedures
MTG	Multi-disciplinary Task Group
PEAC	Presidents Elect Advisory Committee
SH	Section Head
TAC	Technical Activities Committee
TC	Technical Committee
YEA	Young Engineers in ASHRAE

DRAFT

MINUTES
TECHNICAL ACTIVITIES COMMITTEE
January 20 & January 24, 2024

MEMBERS PRESENT:

James Bennett, *Chair*
Kevin Mercer, *Vice Chair*
Satheesh Kulankara, *Training Coordinator*
Jason Atkisson, *Section 1*
Lan Chi Nguyen Weekes, *Section 2*
Tina Brueckner, *Section 3*
Patrick Marks, *Section 4*
Kevin Marple, *Section 5*
Doug Reindl, *Section 6*
Money Khanna, *Section 7*
Kashif Nawaz, *Section 8*
Brad Cochran, *Section 9*
Joy Altwies, *Section 9*
GD Mathur, *Section 10*
Vikrant Aute, *MTG*
Ongun Kazanci, *MTG*
Luke Leung, *BOD Ex-O*

GUESTS:

Esteban Baccini, *Incoming Member*
Kyle Gluesenkamp, *Incoming Member*
Corey Metzger, *Incoming Ex-O*
Kevin Muldoon, *Incoming Member*
Conor Murray

ASHRAE STAFF:

Steve Hammerling, *MORTS*
Tara Thomas, *AA*

MEMBERS NOT PRESENT:

Ashish Rakheja, *Coordinating Officer*

1. **Call to order**

Chair Jamie Bennett called TAC meeting to order at approximately 8:00 AM EDT.

2. **ASHRAE Value Statement:**

ASHRAE Value Statement – *In ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and shall avoid all real or perceived conflicts of interest. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We celebrate diverse and inclusive communities, understanding that doing so fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and the communities our Society serves. We respect and welcome all.*

[Code of Ethics](#)

[Core Values](#)

[Diversity Statement](#)

3. Roll call/Determination of quorum

TAC Member 2023-24	Role
Jamie Bennett (24)	Chair
Kevin Mercer (25)	Vice Chair & GTIC
Satheesh Kulankara (26)	Training Coordinator
Jason Atkisson (25)	Section 1
Lan-Chi Nguyen Weekes (27)	Section 2
Tina Brueckner (26)	Section 3
Patrick Marks (26)	Section 4 & Data Coordinator
Kevin Marple (24)	Section 5 & YEA Liaison
Doug Reindl (25)	Section 6
Money Khanna (27)	Section 7
Kashif Nawaz (27)	Section 8
Brad Cochran (24)	Section 9 & Mentor
Joy Altwies (25)	Section 9
Gursaran Mathur (27)	Section 10
Ongun Kazanci (27)	Section MTG (ACR, BIM, CEA, CYB, EBO, BEQ)
Vikrant Aute (26)	Section MTG (HCDG, LowGWP, RAC, RES, VIC)
Ashish Rakheja	Coordinating Officer
Luke Leung	BOD Ex-O
<i>Esteban Baccini (28)</i>	<i>Incoming member</i>
<i>Kyle Gluesenkamp (28)</i>	<i>Incoming member</i>
<i>Kevin Muldoon (26)</i>	<i>Incoming member</i>
<i>Conor Murray (28)</i>	<i>Incoming member</i>

Quorum confirmed (see notes for full attendance)

Roster for 2023-24 & 24/25 on TAC Basecamp

(<https://3.basecamp.com/3106353/buckets/389454/uploads/6387002855>)

4. Changes/approval of the agenda

No changes were requested.

5. DRAFT minutes from TAC #8 Virtual Meeting

May 6th notes posted to TAC Basecamp (<https://3.basecamp.com/3106353/projects/389454>) on May 9th.

(1) it was moved (Marple) and seconded (Mathur) to accept minutes of the May 6th TAC meeting.

BACKGROUND: Posted to TAC Basecamp (<https://3.basecamp.com/3106353/projects/389454>) Jan. 17th. No changes were suggested.

MOTION 1 VOTE: 13-0-2* CNV – PASSES

*Atkisson and Marks did not attend meeting and abstained.

6. **Chair Announcements (Bennett)**

A. Roster Updates/Feedback

Staff is asking Section Heads for feedback on the roster tool update. Please send a list of issues to be fixed or addressed. Section Heads are asked to solicit feedback from TCs for Wednesday meeting as well.

B. Tech Council Activity

Bennett noted Tech Council is voting to approve an ASHRAE Position Document on *Filtration and Air Cleaning* at their meeting.

7. **Possible Motions**

A. Motion to approve TAC Strategic Plan?

(2) It was moved (Reindl) and seconded (Nawaz) that TAC approve the draft TAC Strategic Plan

BACKGROUND: The draft TAC Strategic Plan is included in **Attachment A**.

MOTION 2 VOTE: 15-0-0 CNV – PASSES

B. Others

No other motions at this time.

8. **TAC 23/24 Successes**

- Completed program submission reviews for Chicago and Indy conferences
- TC 2.1 scope was updated make way for new TC 7.10 OBB
- Many other FG updates and transformations
- TAC approved proposals for a new MTG.GAI, *Generative Artificial Intelligence* and MTG.BEQ, *Building Energy Quotient*.
- The Online Rostering Project is complete!
- TAC MOP and TAC, FG, and MTG Reference Manuals were updated
- TAC merged TC 3.8 to within TC 3.1.
- TAC converted TG9.SPACE to TC 9.13 Space (Extraterrestrial and Deep Space Environmental Control Systems)
- TAC Strategic Plan in concert with the ASHRAE Strategic Plan

9. **Old business / Action Items (Please be prepared to respond to below action items)**

Actions from Tampa

No.	Responsible Party	Action	Status
3	Staff	Send request to members to update their balance category listing. "Broad Area of Interest?"	Ongoing TAC should propose interest categories first. Reindl would review Standards interest categories as a starting point for defining TAC categories and make a proposal to TAC (Action Item 1).

Actions from TAC #2

No.	Responsible Party	Action	Status
1	TAC – Weekes	TAC members fill out Strategic Plan	Complete

		feedback form for Staff to compile	ASHRAE Planning committee working with consultant on Strategic Plan. Target to be complete by Sept. and approved by end of 2024.
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Actions from Chicago

No.	Responsible Party	Action	Status
1	Staff	Explore tools that can be utilized by TC for document development	Ongoing Electronic Communications team developing guidance on tool (OneHub?)
2	TAC / Altwies	Review TAC MOP to align positions with current practice	Ongoing MOP and Reference Manuals in need of review and update.
3	TAC	Send ideas on how TAC and CTTC can promote grass roots participation in technical and society level of ASHRAE activities.	Ongoing Altwies is CTTC liaison but Baccini and Muldoon on CTTC. Baccini would be CTTC liaison going forward
4	Staff	Post list of FG and ALI course assignments	Complete Posted to TC leadership Basecamp
5	Staff	Make sure TC 1.5 scope on ASHRAE website matches the scope on TC website	Complete Tara verifying ASHRAE website changed to match 1.5 website
6	SH1 & SH6	monitor and engage TC 1.10 and section 6 FGs about potential move to Section	Complete TC will consider formal motion to request move at their Tuesday meeting. TAC to consider Wednesday
8	TAC	Communicate issues with 6 month track planning timeline to CEC	Complete Issue is authors, especially international members, lack enough time between review and acceptance of technical papers to make travel accommodations to meetings. Mercer would send this comment from TCs to CEC for their consideration (Action Item 2).
10	TAC	Discuss at future TAC meeting – how can ASHRAE help better inform new attendees to help them navigate an ASHRAE meeting	Ongoing TAC can collect resources from other groups in ASHRAE (for TC perspective) and add info on training to FG reminders to TAC/TC leadership basecamp. Could add ASHRAE app content also

11	TAC CTTC	TAC would develop a list for slides on best practices on increasing FG engagement/ recruitment/ retainment.	Ongoing A TAC Membership Coordinator could work on this task. TAC can update the TAC chapter presentation for recruitment. The FG Reference Manual could include guidance on engagement and retainment.
13	TAC/Training Coordinator	discuss and develop list of training topics at next TAC meeting	Complete Training planned for Fall on FG development of technical materials/using ASHRAE logo

Actions from TAC #7

No.	Responsible Party	Action	Status
1	TAC	Reply personally to the President Scoggins emailed survey on ASHRAE Strategic Planning	Complete
2	TAC	Consider volunteering as a TAC liaison to the Center of Excellence for Building Decarbonization (CEBD)	Complete Liaisons include Gluesenkamp, Nawaz, Brueckner and Kazanci

10. Section issues (Section Heads)

Issues of note:

- Balance in Section 5
Marple discussed a Section 5 FG with 4 manufacturers, 4 customers, 1 consultant and 1 academic. The current balance is not interfering with function of TC work but doesn't meet the letter of the law on balance from TAC. TAC may just monitor to make sure there are no conflicts or issues. It was noted some TCs, due to their scope, will need special considerations or latitude given TAC procedures.

TAC continues to consider balance on Functional Groups (FG) and is considering how the online roster tool can be utilized to help assure FG balance.

- TC 3.1 scope change
(3) It was moved (Brueckner) and seconded (Nawaz) that TAC approve the following TC 3.1 scope change:

TC 3.1 is concerned with all properties and functions, ~~service practices to maintain tight systems and handling of refrigerants and secondary coolants, including commercial and experimental materials.~~ It is also concerned with service practices to maintain tight systems, handle leak detection and minimize refrigerant emissions.

BACKGROUND: TCs 3.1 and 3.8 agreed previously to merge. These scope changes were approved by TC 3.1 to include the old TC 3.8 scope. .

MOTION 3 VOTE: 15-0-0 CNV – PASSES

TAC will follow up with Standards, Handbook, and RAC to ensure continuity of any items affected by the merger of TC 3.8 into TC 3.1.

- TRG9.CCDG
This TRG published a design guide and hosted a conference last year. The now wish to update the design guide. Cochran would discuss with the author of the design guide (Binder) to determine if a new TRG should be formed or if the work can be done under another FG and report Wednesday.
- MTG.EBO
This MTG had requested emergency roster change. TAC can approve but need names of alternates before Orlando meeting (to take effect July 1 2025). If they have alternate names now we can implement July 1, 2024 if submitted prior to June 30, 2024. Staff suggested we approve roster without alternates, then request name of alternates after July 1 roster change.
- MTG.BIM
This MTG has not been active for some time. A voting member of the MTG requested they be disbanded. TAC would check with leadership, see if their objectives completed, and timeline for sunset and report back Wednesday.
- MTG Reference Manual
There are not currently rules for sunsetting MTGs They could sunset with a final report or formal recommendation to disband, but a final report is not required to disband.

TAC discussed quarterly reporting for MTGs and decided to leave this in, even if not always tracked or enforced.

11. (Leung) BOD Ex-O / (Rakhejah) Coordinating Officer

- A. BOD Ex-O report
Would report Wednesday
- B. Coordinating Officer report
Rakhejah was unable to attend

12. New/Unfinished Business

- A. 2024/25 Succession Planning, assignments
 - TAC can consider reorganization given increased TAC workloads and update TAC position roles.
 - New assignments for next Society Year:
 - Section Head 4 – Kyle Gluesenkamp
 - Section Head 5 – Esteban Baccini
 - Section Head 9 – Joy Altwies (Cochran no longer co-section head)
 - MTG Section (HCDG, LowGWP, RAC, RES, VIC) – Kevin Muldoon
 - Training Coordinator - Vikrant Aute
 - Data Coordinator - Kyle Gluesenkamp
 - Liaisons to CEBD - Gluesenkamp, Nawaz, Brueckner and Kazanci

Experienced TAC members can assist in mentoring new members.

B. GTIC Update (Mercer)

There will be GTIC training at the TAC Training Breakfast from Steve Bushby on ISO participation. Their aim is to get more ASHRAE volunteers in ISO activities.

The TAC Vice Chair currently serves on GTIC as a liaison to receive questions/feedback from people globally and connecting them to ASHRAE expertise. GTIC is also presenting at PC chairs breakfast in Indianapolis.

C. CEBD Update & TAC representatives

Gluesenkamp, Ongun, Nawaz and Brueckner would be liaisons to the CEBD. The aim would be to connect TCs to the activities of the CEBD.

D. Other

Focus at the Breakfast tomorrow would be the training. Section Heads can refer to Handout on Basecamp for general reminders and highlight items specific to each FG. FG activity sheets should be returned by Tuesday.

13. **(Kulankara and Mercer) Training**

A. TAC developed final draft Breakfast agenda for tomorrow:

<u>Speaker</u>	<u>Topic</u>	<u>Start</u>	<u>End</u>	<u>Duration (min.)</u>
Kevin M.	Introduction and ASHRAE updates	7:00 AM	7:05 AM	5
Emily T.	ASHRAE Standards and Communications Policy	7:05 AM	7:15 AM	10
Jamie B./ Satheesh K.	TAC organization updates (mention last years TAC work, new TCs, MTGs, other efforts)	7:15 AM	7:25 AM	10
Costas B./ Wade C.	CEBD transition	7:25 AM	7:35 AM	10
S. Bushby/ Ashish R.	GTIC Update and Outreach	7:35 AM	7:50 AM	15
Carol M./ Rachel R.	RBC Update	7:50 AM	8:05 AM	15
W. Murphy/ Natascha M.	Research Process Training	8:05 AM	8:25 AM	20
Section Heads	Strategy Session Breakout (remaining time)	8:25 AM	9:00 AM	35

Slides will be collected and posted with a list of FG Reminders and to TAC/FG Leadership Basecamp ([here](#)).

B. Please use updated TC Activity Form and Section Head Tool available on Basecamp ([here](#))

C. Training coordinator for next SY will transition from Kulankara to Aute.

TAC members were asked to identify a training need for this breakfast for future meetings. Topics mentioned at this time included:

- guidance on FG development of technical publication/information and use of ASHRAE website

14. **2023-24 MBOs**

Updates to TAC 2023-24 MBOs would be reported to Tech Council' Operations Subcommittee.

MBO #	Description	Metric	Notes/progress
		(How do we determine success?)	
1	Promote balance in TCs by Section Heads reviewing FG rosters	10 Section Head Reports submitted that use roster information. SHs should review and prepare to help assure balance in new committees. Aim is to assure balance related to technical issues.	Complete for this SY and ongoing as TAC activity as we approach roster season for 2024-25. Balance reporting due from section heads on Jan. 24th. TAC working to develop guidance on 'interest categories' to help FG chairs in assuring balance on FG.
2	Help ad hoc committees move under TAC	2 new TAC FGs that were ad hocs. MTG.BEQ approved. MTG.GAI proposal is in the works	MTG.BEQ (Building Energy Quotient) approved. MTG.GAI (Generative AI) approved. 100% Complete.
3	Empower sections for strategic engagement	10 Section level meetings (one for each section) held between each Conference	Only 75% done for this SY. TAC members responded to Planning Committee's SP input request via website for the January 31st data pull. Chairs Breakfasts in Chicago and Indy featured sections breakout session for section-level strategy ideation and other issues. SHs will be tasked to hold a section strategy meeting before Winter 2025.
4	Work on global collaboration through TCs	TAC VC attends all GTIC activities and reports to TAC	100% complete for this SY and ongoing into next. Chair of GTIC gave a presentation on GTIC at Chairs Breakfast in Chicago and Indianapolis. TAC VC is member of GTIC and is actively participating. TAC regularly updates membership and FG leadership on GTIC activities. TAC is connecting GTIC to TC expertise.
5	Emphasize TC Chairs training for effective operations, using existing administrative resources and procedures and outreach to other standing committees (like Handbook)	Chairs Breakfast program includes a training from a different standing committee	100% complete for this FY. Chairs Breakfast in Chicago included a presentation by the Conf.&Expo Committee on successful program submission and a handout from Publications. Indianapolis featured RAC training.

6	Continue online rostering project	Ongoing	100% complete thanks to staff! New system is in use for this roster rollover. TAC is collecting feedback to plan improvements for next SY.
7	Train new TAC members	TAC Training Coordinator establishes Section Head mentoring process through an update to the TAC Reference Manual	75% complete. One mentor position running already. Will update Mentoring Appendix of Reference Manual this spring to align with current TAC practices.
8	Update TAC informational tools, e.g. Functional Group Evaluation Workbook, TAC webpage	complete or incomplete	100% complete. Updated for this Society Year and distributed to FGs. Further updates for next Society year.
9	Develop TAC Strategic Plan (using these MBOs as benchmarks)	Post updated plan to TAC webpage	100% complete. TAC Strategic Plan approved in Indianapolis and reported to OPS.
10	Victor's leadership training videos. Apply for PD credit mechanism. Consider professionalizing the videos.	Module A approved for PDC	In progress. VC met with Karen Murray to work through issues with these videos, including not being able to work with Victor. Pivoting to working with Larry Smith, the producer of the videos, for permissions etc. Incoming TAC Chair will create a revised MBO to redefine the task going forward.
11	Provide situational advocacy for FGs	Note specific actions during each TAC meeting	Complete for this SY and ongoing. Examples include approval of MTG.GAI, TG.SPACE to TC 9.13, MTG.OBB to a TC, scope changes, representation on TFBD, etc. TAC has appointed a liason to CTTC to help FGs recruit new talent from the large pool of members active in their local chapters. No specific actions were warranted in Indianapolis.

RECESS – Bennett recessed TAC meeting until 7 AM on Wednesday. The TAC/TC Training Breakfast would take place tomorrow at 7 AM.

RECONVENE

15. **Section Head Reports (3 to 5 minutes per section)**

Presenting highlights only from their written reports submitted earlier

- Section 1
(4) it was moved (Atkisson) and seconded (Marple) that TC 1.10, *Combined Heat and Power*,

move from Section 1, *Fundamentals and General*, to Section 6, *Heating Equipment, Heating and Cooling Systems and Applications*.

BACKGROUND: There were no requested title or scope changes. The TC would be designated as TC 6.4.

MOTION 4 VOTE: 10-0-0 CNV – PASSES

- MTG.BIM
TAC reached out to leadership on possible disbanding of this MTG. Chair noted they do have some activities ongoing (cognizant for an ISO Standard). Requested a plan from MTG leadership to recheck, steer to an FG or consider disbanding if appropriate. TAC would continue to monitor.
- MTG.BEQ
The ASHRAE BOD kept funding in the budget for maintaining the BEQ portal.
- Section 9
TRG9.Cold Climate Design Guide
Author Binder agreed to move activities to TC 9.8, Specialized Buildings. (Noted TC 9.2 may believe Design Guide in their responsibilities), but TAC can disband TRG9.CCD.

(5) It was moved (Cochran) and seconded (Marple) that TAC disband TRG9.CCD, Cold Climate Design.

BACKGROUND: The Cold Climate Design Guide update can continue under TC 9.8 or 9.2.

MOTION 5 VOTE: 10-0-0 CNV – PASSES

- Section 8
(6) it was moved (Mercer) and seconded (Marks) that TAC approve the following TC 8.1 scope change:

TC 8.1, Positive Displacement Compressors-Compressor Technology

Scope: TC 8.1 is concerned with the design, performance, features, and operating characteristics, and standards of all types of ~~positive displacement~~ compressors for use with refrigerants.

BACKGROUND:

MOTION 6 VOTE: 10-0-0 CNV – PASSES

(7) it was moved (Mercer) and seconded (Marks) that TAC approve the following TC 8.2 scope change:

TC 8.2, Centrifugal Machines-Vapor Compression Cooling and Heat Pump Chillers

Scope: TC 8.2 is concerned with ~~packaged equipment-cooling and heat pump chillers which~~ that involves centrifugal or positive displacement compressors, including those with heat exchangers, drivers, controls, split evaporators and condensers, and other accessories; ~~which are specific to packaged centrifugal equipment.~~

BACKGROUND: TCs 3.1 and 3.8 agreed previously to merge. These scope changes were approved by TC 3.1 to include the old TC 3.8 scope. .

MOTION 7 VOTE: 10-0-0 CNV – PASSES

Staff would post all FG title and scope changes, and section changes to ASHRAE website (**Action Item 3**).

FG evaluation forms would be added to agenda for next TAC meeting. The FG Reference Manual requires FGs to fill out and submit at Winter Meeting.

16. Unfinished Business

A. BOD Ex-O report

Leung presented PEAC report (**Attachment B**) to TAC. Highlights of interest to TAC include:

- President Dennis Knight's theme for 2024-25 is *Empowering Our Workforce: Building a Sustainable Future*
 - *Tremendous need in future for HVAC&R equipment and design and HVAC&R professionals*
- President-Elect Bill McQuade Presidential theme is related to healthy buildings.
- New Center for Excellence in Building Decarbonization (CEBD) will include four liaisons from TAC.
- Nominations for elected committees due September 2024. Nominations for appointed committees due February 2025

B. Leadership video CEUs (Mercer)

Mercer noted Larry Smith is working to resolve this matter. From a TAC perspective, this effort can be considered complete.

C. CTTC report

Altwhies reported having met with Constantinide and Smith, trading ideas on TAC/CTTC coordination. Baccini is on CTTC and would be liaison going forward.

Constantinide suggested TAC track new voting members (people who have never been VM before, as a metric of growth).

TAC is assisting the effort to connect CTTC and TAC activities toward recruiting FG members from local chapters and regions.

17. New Business

A. Thank outgoing members

TAC chair Jamie Bennett thanked and recognized outgoing members Kevin Marple, Patrick Marks and Brad Cochran for their work and participation on TAC noting that they are rolling off of the committee.

Incoming TAC chair Kevin Mercer recognized Jamie Bennett for his leadership on TAC as he rolls off of the committee.

B. Welcome Incoming members

New incoming members to TAC were welcomed: Esteban Baccini, Kyle Gluesenkamp, Kevin Muldoon, Wade Conlan (Coordinating Officer), Corey Metzger (BOD Ex-O)

C. New Assignments

Mercer made new TAC assignments for SY 24-25:

- Baccini - new Section 5 Head
- Gluesenkamp – new Section 4 Head
- Muldoon – new co-MTG Head (assigned Aute's MTGs)
- Aute – new Training Coordinator

18. Next Meeting

A. Monthly TAC meeting in late August

Staff would poll for TAC Meeting #1 to take place in August.

B. ASHRAE Winter Conference – February 8 - 12, 2025 – Orlando, FL

ASHRAE Winter Meeting will take place in Orlando. It is anticipated that the TAC schedule will not change.

19. Adjournment

Meeting was adjourned at approximately 10 AM EDT.

DRAFT

TAC Inputs via Tech Council Ops Committee for ASHRAE Strategic Planning Process

Mission: To advance the field through excellence in technical committee operations, including diversity in the broadest sense of societal identifiers such as gender, but also subject matter expertise, natural affinities, and global region. By implementing this strategic plan, we aim to align committee initiatives with ASHRAE's strategic goals, fostering an environment that encourages communication, collaboration, and engagement among all members. This will ultimately contribute to the long-term growth and sustainability of ASHRAE.

Vision: Committees that align their initiatives with ASHRAE's vision of a healthy and sustainable built environment for all.

Core Values: efficiency, effectiveness, advocacy, diversity

Goal: Support the work of ASHRAE's functional groups with the further encouragement for each group to set workplans that advance the arts and sciences of HVAC&R and their allied fields through excellence of cognizant committee operations, where excellence refers to the values in the mission statement. To further leverage the expertise across the functional groups to make progress in efforts toward achieving IEQ and decarbonization of the built environment.

Initiative 1. Build global technical exchange into the operations of the functional groups reporting to TAC. IEQ and Decarbonization interface differently across the globe due to climate and economics.

Initiative 2. Embrace bold and decisive actions for a sustainable, high-performance built environment. Support the innovation needed to achieve both IEQ and Decarbonization, such as AI and advanced building engineering and technology.

Initiative 3. Empower TAC as a strategic entity within ASHRAE to maximize member value and engagement of the functional group experience. Continue to evaluate and restructure Functional Groups (FGs) toward alignment with ASHRAE Strategic Plan goals. Appoint a TAC liaison to the CTTC to promote subject matter communities.

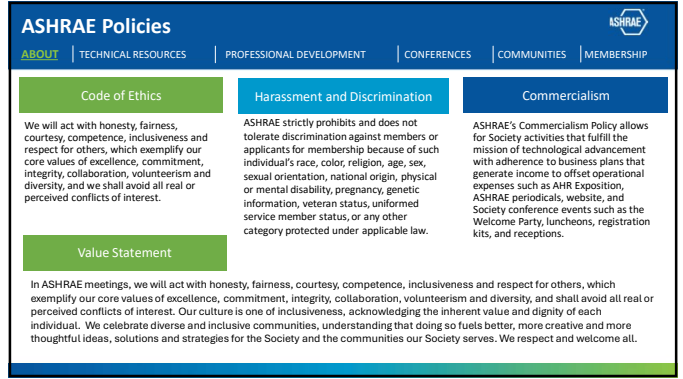
TAC MBOs and alignments with the current ASHRAE Strategic Plan

MBO #	Description	Metric	Initiative #	Goal #
		(how do we determine success?)		
1	Promote balance in TCs by Section Heads reviewing FG rosters	10 Section Head Reports submitted that indicate review of rosters to help assure technical balance in new and continuing committees	1, 2, 3, 4	2

2	Help ad hoc committees move under TAC	2 new TAC FGs that were ad hocs	3	3
3	Empower sections for strategic engagement	10 Section level meetings (one for each section) held between each Conference	1, 4	2
4	Work on global collaboration through TCs	TAC VC attends all GTIC activities and reports to TAC	1, 3, 4	1
5	Emphasize TC Chairs training for effective operations, using existing administrative resources and procedures and outreach to other standing committees (like Handbook)	Chairs Breakfast program includes a training from a different standing committee	3	2, 3
6	Continue online rostering project	complete or incomplete	3	2
7	Train new TAC members	TAC Training Coordinator establishes Section Head mentoring process through an update to the TAC Reference Manual	3	2
8	Update TAC informational tools, e.g. Functional Group Evaluation Workbook, TAC webpage	complete or incomplete	3, 4	2, 3
9	Develop TAC Strategic Plan (using these MBOs as benchmarks)	Post updated plan to TAC webpage	3	1, 2, 3
10	Victor's leadership training videos. Apply for PD credit mechanism. Consider professionalizing the videos.	Module A approved for PDC	3, 4	2
11	Provide situation advocacy for FGs	Note specific actions during each TAC meeting	3	2



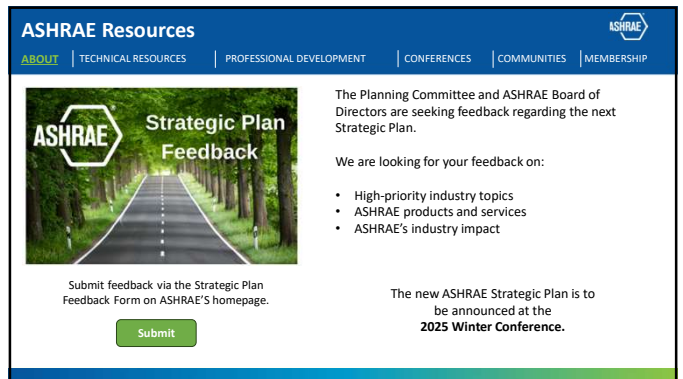
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ASHRAE Board of Directors

ABOUT | TECHNICAL RESOURCES | PROFESSIONAL DEVELOPMENT | CONFERENCES | COMMUNITIES | MEMBERSHIP


President
 Dennis Knight, P.E., BEMP, Fellow ASHRAE
 N.E. Pleasant, South Carolina


President-Elect
 Bill McQuade, P.E., Fellow ASHRAE
 Jessup, Maryland


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 Hudson, Massachusetts


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 Jeff Littleton
 Peachtree Corners, Georgia

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 Portland, Oregon

 Kenneth Fulk, P.E.
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 Fellow ASHRAE
 Singapore


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ASHRAE Director and Regional Chairs


ABOUT | TECHNICAL RESOURCES | PROFESSIONAL DEVELOPMENT | CONFERENCES | COMMUNITIES | MEMBERSHIP


Region I
 Charter Berbach
 Manlius, New York


Region II
 Genevieve Lussier
 Quebec, Canada


Region III
 Sherry Abbott Adams, P.E., CPD, GPD, LEED AP
 Westminster, Maryland


Region IV
 Bryan Holcomb
 Oak Ridge, North Carolina


Region V
 James Arnold, P.E.
 Dublin, Ohio


Region VI
 Susanna Hanson
 La Crosse, Wisconsin


Region VII
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 Mobile, Alabama


Region VIII
 Joseph Sanders
 Oklahoma City, Oklahoma


Region IX
 Jonathan Smith, P.E.
 Lenexa, Kansas


Region X
 Buzz Wright, P.E.
 Tucson, Arizona


Region XI
 Rob Craddock
 Scarborough, Canada

Region XII
 John Constantine
 Merritt Island, Florida

Region XIII
 Cheng Wei Leong, P.E.
 Singapore

Region XIV
 Mahnoo Bhatnari, CEng., DPhil
 Loughborough, UK


Region XV
 Richie Mittal, Fellow ASHRAE
 New Delhi, India


Region-at-Large
 Basel Anbari, P.E.
 United Arab Emirates


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ASHRAE Directors at Large


ABOUT | TECHNICAL RESOURCES | PROFESSIONAL DEVELOPMENT | CONFERENCES | COMMUNITIES | MEMBERSHIP


 Doug Cochran, P.Eng.
 Mississauga, Ontario, Canada


 Blake Ellis, P.E.
 Overland Park, Kansas


 Patrick Marks, P.E.
 York, PA


 Corey Metzger, P.E.
 Ames, Iowa

 Carrie Brown, Ph.D.
 Oakland, California

 Wei Sun, P.E.
 Ann Arbor, Michigan

 David Yashar, Ph.D.
 Gaithersburg, Maryland


 Luke Leung, P.E., BEMP
 Clarendon Hills, Illinois


 Heather Schopplein-Anderson, P.E.
 Santee, California


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Government Affairs

ABOUT | TECHNICAL RESOURCES | PROFESSIONAL DEVELOPMENT | CONFERENCES | COMMUNITIES | MEMBERSHIP

GOVERNMENT OUTREACH

 Get Involved!

GOVERNMENT AFFAIRS UPDATE

 BI-WEEKLY NEWSLETTER
 Sign up online or email
GovAffairs@ashrae.org

LETTERS & TESTIMONY


8

Research: Supporting ASHRAE's Mission

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Society Year 2023-2024

- \$2.8M Research Promotion Campaign**
(Research, YEA, ALI, Scholarships, General)
- \$1.4M Raised for Endowments**
- \$232,100 Awarded through 52 Scholarships**
- \$2M Raised for Research**
- \$53,000 Raised by College of Fellows and Life Members Club**
- \$1M Given by ASHRAE Regions, Chapters and Sections**

More than 4,000 contributions from Members, Organizations and other Associations
These numbers are projections. Actuals will be announced in July.

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Center for Excellence in Building Decarbonization

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New Year, New Name!

Starting July 1, the Task Force for Building Decarbonization will be called:

Center for Excellence in Building Decarbonization (CEBD).

Coming this Fall: Training On the Grid Guide and Hospital Guide

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Standards

ABOUT | TECHNICAL RESOURCES | PROFESSIONAL DEVELOPMENT | CONFERENCES | COMMUNITIES | MEMBERSHIP

- Now Available in Spanish**
ASHRAE Standard 201-2022
Control of Infectious Aerosols
- First of Its Kind**
ASHRAE Standard 206-2022
Standard Method of Evaluating Zero Net Energy and Zero Net Carbon Building Performance
- Newly Updated for 2024**
ASHRAE Standard 204-2024
Energy and Emissions Building Performance Standard for Existing Buildings

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ASHRAE Bookstore

ABOUT | TECHNICAL RESOURCES | PROFESSIONAL DEVELOPMENT | CONFERENCES | COMMUNITIES | MEMBERSHIP

Get the Latest and Greatest Publications from 2024

- High-Performance Buildings Simplified**
- 2024 ASHRAE HANDBOOK HVAC SYSTEMS AND EQUIPMENT**
- Lucy Goes Green**
- ASHRAE Design Guide for Commercial Kitchen Ventilation**

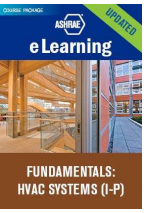
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Professional Development 

ABOUT | TECHNICAL RESOURCES | **PROFESSIONAL DEVELOPMENT** | CONFERENCES | COMMUNITIES | MEMBERSHIP

eLearning


Recently Updated



FUNDAMENTALS:
HVAC SYSTEMS (I-P)

ASHRAE Learning Institute

New Trainings in Indianapolis
Standard 241
Control of Infectious Aerosols



Understanding Standard 241
June 25 | 9 AM

Applying Standard 241
June 25 | 1 PM

Certification

New Certification



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2024-25 Topical Conferences 

ABOUT | TECHNICAL RESOURCES | PROFESSIONAL DEVELOPMENT | **CONFERENCES** | COMMUNITIES | MEMBERSHIP

-  Chicago, September 26-27, 2024
Women in ASHRAE Leadership Symposium
-  Beirut, Oct 3-4, 2024
The Sixth International Conference on Efficient Building Design
-  New York City, October 21-23, 2024
2024 ASHRAE Decarbonization Conference:
Decarbonizing Existing Tall Buildings
-  Qatar, April 23-24, 2025
Third International Conference on Energy and Indoor Environment for Hot Climates
-  Montreal, September 24-26, 2025
IEQ 2025 Conference



 Check the App for the CIDCO sessions happening this week!

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2025 ASHRAE Winter Conference 


ABOUT | TECHNICAL RESOURCES | PROFESSIONAL DEVELOPMENT | **CONFERENCES** | COMMUNITIES | MEMBERSHIP



**2025 ASHRAE
WINTER CONFERENCE**
ORLANDO, FEB 8-12 | AHR EXPO, FEB 10-12

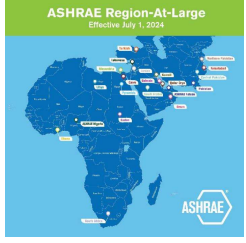
Registration opens in fall 2024. See you in Orlando!

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New ASHRAE Region XV 


ABOUT | TECHNICAL RESOURCES | PROFESSIONAL DEVELOPMENT | CONFERENCES | **COMMUNITIES** | MEMBERSHIP

ASHRAE Region-At-Large
Effective July 1, 2024



Director and Regional Chair: **Bassel Anbari**

ASHRAE Region XV
Effective July 1, 2024



Director and Regional Chair: **Richie Mittal**

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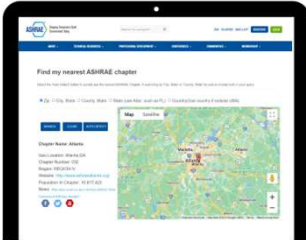
Get Involved with Committees & Chapters

ABOUT | TECHNICAL RESOURCES | PROFESSIONAL DEVELOPMENT | CONFERENCES | **COMMUNITIES** | MEMBERSHIP

Find Committees and Nominate Yourself or Others

- FEB 2024** February: Nominations for appointed committees are due.
- JUN 2024** June: Speak with your committee ExO/CO if your current appointment/elected position ends to be nominated for another.
- SEP 2024** September: Nominations for elected positions are due. (Publications & Education Council, Tech Council, RAC, TAC, Standards, Handbook, Nominating)

Find Chapter Information Using the Chapters Map



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Membership

ABOUT | TECHNICAL RESOURCES | PROFESSIONAL DEVELOPMENT | CONFERENCES | COMMUNITIES | **MEMBERSHIP**

NEW Benefit!
ASHRAE Guidelines added to annual membership benefit selection for new & renewing full dues paying members.

eLearning Course 95+ to choose from	ASHRAE Standard or Guideline 100+ to choose from	ASHRAE Handbook PDF version of the most recent	Handbook Online 4 most recent	ASHRAE Certification Exam Study Guide 3 to choose from
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Honors & Awards

The following award nominations have a **DEC 1** deadline:
Fellow | Honorary Member | ASHRAE Hall of Fame | F. Paul Anderson Award
ASHRAE Pioneers of the Industry | ASHRAE Award for Distinguished Public Service

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Join Us at the President's Luncheon

**Empowering Our Workforce:
Building a Sustainable Future**

Monday, June 24
12:15 – 2:00 PM
Tickets available at Registration

**2024-25 ASHRAE President
Dennis Knight, P.E., BEMP, Fellow ASHRAE**




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Media Inquiries

Asked to make a statement on behalf of ASHRAE?

Please send all media inquiries to publicrelations@ashrae.org before responding to members of the press.



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Thank you!
Questions or Comments?