



Global Technical Interaction Committee Meeting Minutes

Monday, 12 August 2024
8:00 AM – 11:00 PM EDT
12:00 PM – 3:00 PM UTC

Meeting Link:

<https://ashrae.webex.com/ashrae/j.php?MTID=m9d1be25c124e9a2adbb60a65157fd94f>

Meeting Best Practices Reminders

- A. Please turn on your camera when you wish to speak during the meeting. Leave your camera on until called on.
- B. When not speaking, please turn your camera off.
- C. Please mute your line when not speaking.
- D. If you aren't able to turn on camera and wish to speak, please send a note in the chat.

ATTENDANCE

	<u>Voting Members</u>		<u>Non-Voting Members/Guests</u>	
1	Ashish Rakheja (Chair)	X	Richie Mittal (Ex-Officio)	X
2	Steven Bushby (Vice Chair)	X	Wade Conlan (Coordinating Officer)	
3	Michael Corbat (U.S. TAG to ISO/TC 142 Chair)		Dr. Hywel Davies (Consultant)	
4	Adrienne G Thomle, (Standards Committee Vice Chair)		Ryan Shanley (Staff Liaison)	X
5	Dr Satheesh Kulankara (Technical Activities Committee Vice Chair)	X	Kai Nguyen (Staff Liaison)	X
6	Coleman Brumley (U.S. TAG to ISO/TC 205 Chair)		Scott Creamer	X
7	Drake Erbe (U.S. TAG to ISO/TC 163 Chair)	X	Duane Jonlin	X
8	Justin Prosser (U.S. TAG to ISO/TC 86 Chair)	X	Jaap Hogeling	X
9	George Pantelidis		Jacob Karson	X
10	Hassan Younes	X	Luis Alvarado	X
11	Fabio Clavijo	X		
12	Cheng Wee Leong			
13	Prof.Jyotirmay Mathur	X		

1. Call to Order (8:00 AM EDT) – Meeting was called to order at 8:01 AM EDT

A. **ASHRAE VALUES 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 – <https://www.ashrae.org/about/governance/code-of-ethics>

Core Values – <https://www.ashrae.org/about/ashrae-s-core-values>

Diversity Statement – <https://www.ashrae.org/about/diversity-equity-and-inclusion-dei>

B. **GTIC SCOPE AND PURPOSE**

The Global Technical Interactions Committee (GTIC) shall be responsible for harnessing the technical resources of ASHRAE to influence international standards and maximize the global impacts of ASHRAE standards, guidelines, and other technical work products on the practice of HVAC&R and the built environment. This includes developing, implementing, and managing processes that enable information flow and coordination between chapters, technical committees, standard project committees, and international technical advisory groups. This committee shall inform the ASHRAE leadership and membership of the potential impacts of the activities and making recommendations on new activities and policies in response.

2. Introductions

3. Review Of Agenda – Agenda approved as written

4. Approval Of Minutes Of 23 June 2024 Annual Meeting – Approved with minor revision, Jaap Hogeling abstains.



GTIC Draft Meeting
Minutes_Annual Conf

5. Subcommittee Reports

A. Region and Chapters Interactions Subcommittee – Fabio Clavijo (Chair), Jyotirmay Mathur (Vice Chair), Hassan Younes, Cheng Wee Leong, Eleazar Rivera (Volunteer), Henry Yeo (Volunteer), Olu Solade (Volunteer), Luis Alvarado (Volunteer), Chandra Sekhar (Volunteer), Mohammad Al Wathaifi (Volunteer) – RCIS met on August 8th (Minutes attached). Fabio presented MBOS and actions items of RCIS. The article on GTIC's activities was published in July on ASHRAE's web page. <https://www.ashrae.org/news/esociety/to-expand-the-global-future-of-ashrae-in-the-21st-century>
Regional champions have been designated and some regions still need volunteers to represent. Jaap follows Region 14 and may be able to have contact. Fabio and Kai to follow up on volunteers. Africa will need more representation and Ade was mentioned as a potential representative. Hassan recommends Zeki from Turkish Chapter to contact Atila. Fahran Mehboob recommended as a contact from Pakistan. Fabio attended CRC and reminded members to share the survey through CRCs. Asked for regional

champions to target experts to solicit survey. Ashish – CRC roundtable questions shared with ASHRAE President, will have results in months. Ashish suggested that survey results should now be captured in a formal report and any additional recommendations received from CRC should be added to the report at a later date.

-Survey Updates: An idea to process survey results is to look for common themes and implement. Jyotirmay mentioned that adopting 62.1 is a common ask and need to understand the process for standards to be developed and adopted in other regions. Given that there isn't sufficient data to analyze, we cannot develop recommendations. Once analysis completed, proposals may be submitted to Tech Council for review. If local regulations exist, joint/dual standard development will need further analysis and Society will need to review proposals in order to support. Steve proposes working with Standards and Publications with those who are interested in adoption, such as translation proposals. Drake suggests for every subcommittee to provide a recommendation to Tech Council for proposals for development/adoption. In the instance of 62.1 adoption, the requests should go to both TCIS and PCIS. Sathesh to follow up with TCIS and Standards Committee on process of joint development. Justin mentioned that CEBD has a Special Projects group that works with harmonizing decarbonization globally. Drake – REHVA Journal, Jaap is liaison, can capture the information to publish to members in Europe. Fabio to send survey and article over to Jaap.

-Jacob Karson to work with Eleazar and GAC on distribution of letter. Kai to follow up Fabio once changes are updated to follow up with Bjarne from AASA.



240806 GTIC RCIS
Meeting Minute2.docx



240712 GTIC
MinEnergy Colombia



240812 GTIC RCIS
Rep02.pptx

- B. Technical Committees Interactions Subcommittee – Sathesh Kulankara (Chair), Justin Prosser, Michael Corbat, Steve Bushby. Intends on meeting in the next few weeks to develop MBOs. TAC has not met. Sathesh – will need to come up with plan for Winter meeting and what is to be discussed on the behalf of GTIC in the TC and PC Breakfast.
- C. Project Committees Interactions Subcommittee – Drake Erbe (Chair), Adrienne Thomle, Coleman Brumley – PCIS was able to close out MBO which was to submit forum (attached in Other Business) for Orlando meeting. Drake mentions that PCIS need more volunteers and intends to set up meetings once more members join. Duane inquired about the role/responsibilities of PCIS and was explained that the subcommittee is the primary liaison with Standards Committee and active ASHRAE PCs. Hassan volunteered to join the subcommittee and Drake encourages the TAG members and leaders to join.
- D. Special Projects - George Pantelidis (Chair), Steven Bushby, Jyotirmay Mathur – Met on July 10th and discussed UNEP's request from Grenada (Minutes attached). Tasks includes gathering mentorships and training resources for HVAC technicians and forming own chapter. The committee will need to follow up with Tim Wentz and send out a recommendation end at the end of August. Special Projects scheduled to meet on August 20th.



GTIC Special Projects
Meeting Mins 2024-0

- E. ExCom - Ashish Rakheja (Chair), Steven Bushby, Fabio, Satheesh, Drake, George Pantelidis, Ryan Shanley, Kai - **ExCom met on July 15th. Meeting Minutes attached**



GTIC ExCom Virtual
Meeting Minutes_202

6. Liaison Reports

- A. Government Affairs Committee - George Pantelidis –**Eleazar Rivera is the upcoming Chair and will need official letter for the change.**
- B. Technical Activities Committee - Satheesh Kulankara - **No report as TAC has not met**
- C. Energy Performance of Buildings - Jaap Hogeling – **EU Directive on the Energy Performance of Buildings published in April 2024 (Link and Summary attached). Jaap mentions there is a 2-year timeline to implement. Asks to review Article 1 in the directive. The Roadmap explains the procedures and steps to progress to develop connection to serve the energy building standards. It is up to the commission to prepare and mandate and find the resources to support. By the end of the year, we should have clarity on resources assigned for the work efforts.**

[Directive - EU - 2024/1275 - EN - EUR-Lex \(europa.eu\)](#)



2024 EU Directive on
the Energy Performan

- D. RAC
- E. CEBD - Dr Jyotirmay Mathur
- F. AASA - Eleazar Rivera / Cheng Wee Leong

7. Status of MBOs



2024-25 ASHRAE
MBO Tracking_GTIC.xl

8. International/Region Updates – **No updates at this time**
9. Other Business

A. HVAC Design Guide in Equatorial Region – Fabio Clavijo



240723 HVAC
DTER27.pdf

B. Forum Submission



Session Submission
#35267 - 2025 ASHR

C. ASHRAE and World Filtration Institute Sign MOU – **GTIC to review and discuss any action needed**

<https://www.ashrae.org/about/news/2024/ashrae-and-world-filtration-institute-sign-memorandum-of-understanding>

10. Review of Action Items – **Action items reviewed and updated**

11. Next Meetings – Virtual meetings scheduled for second Monday bi-monthly, 8:00 AM to 11:00 AM Eastern Time

A. Monday, 14 October 2024, 8:00 AM to 11:00 AM EDT (12:00 PM to 3:00 PM UTC) – Virtual

B. Monday, 9 December 2024, 8:00 AM to 11:00 AM EDT (12:00 PM to 3:00 PM UTC) – Virtual

C. Sunday, 9 February 2025, 9:00 AM to 12:00 AM EDT (12:00 PM to 3:00 PM UTC) – Orlando, Florida

12. Adjournment (11:00 AM EDT)

**GTIC Action Items
As of 12 August 2024**

Updated Items Noted in Red

OPEN ACTION ITEMS				
AI#	Action Item	Assigned	Estimated Completion Date	Status
1	<p>An action item was assigned to the Regions and Chapters Interactions Subcommittee to develop a presentation/document to introduce GTIC to regions and chapters; a roadmap for standards development bodies in each region/country will also be assembled.</p> <p>RCIS held a virtual meeting in December. Currently the subcommittee has representatives from Asia and Latin America and is working on identifying and recruiting Middle Eastern members; this is an ongoing action item. RCIS will work to integrate information from each region by the annual meeting. It has been requested that the subcommittee provide feedback on the presentation by the end of February. An idea is in development to have regional coordinators (“local champions”) in each region. - Ongoing</p>	RCIS		Open

CLOSED ACTION ITEMS				
AI#	Action Item	Assigned	Completion Date	Status
1	<p>An action item was assigned to all subcommittees to schedule virtual meetings at the earliest opportunity.</p> <p>RCIS and PCIS have each held at least one virtual meeting since the previous GTIC meeting. TCIS will schedule a virtual meeting within the next several weeks following the Chicago conference. Completed</p>	RCIS, TCIS, PCIS	21 January 2024	Closed

CLOSED ACTION ITEMS

AI#	Action Item	Assigned	Completion Date	Status
2	An action item was assigned to Olu Soluade, Ashish Rakheja, and Ryan Shanley to reach out to Kevin Mercer and Jamie Bennett (as TAC chair) to request an update on when the subcommittee can begin meeting and working. A virtual TCIS meeting will be scheduled in the next several weeks. Completed.	Olu Soluade Ashish Rakheja Ryan Shanley	21 January 2024	Closed
3	An action item was assigned to Steve Bushby, Drake Erbe, and Jaap Hogeling to prepare a draft of needs from the U.S. TAGs to ISO/TC 163 and ISO/TC 205 to be shared with the ASHRAE TC memberships. Experts are needed to review EPB standards and develop comments for U.S. positions. Steve Bushby provided a list to ASHRAE staff of ASHRAE TCs from which recruitment is needed for specific U.S. TAG to ISO/TC 205 advisory panels. Kevin Mercer will share a list of recommendations for Section 4 TCs to target for recruitment. It was asked if a one-year term for StdC and TAC vice chairs is appropriate, or if this is not sufficient time to become involved in the work of GTIC.	Steve Bushby Drake Erbe Jaap Hogeling	21 January 2024	Closed
4	An action item was assigned to ASHRAE staff to review the Standards Committee and GTIC MOPs (Manuals of Procedures) to develop recommendations for rules changes and assignment of responsibilities for different areas/items; these recommendations will be provided to GTIC and Standards Committee (via PPIS) for review and comment once they are available. This will be reported on at future GTIC and Standards Committee meetings. Ongoing. ASHRAE staff has performed a review of the Standards Committee procedural documents to develop recommendations for rules changes and assignment of responsibilities for different areas/items between Standards Committee and GTIC. PCIS also reviewed and agreed on the proposed revisions. These recommendations were approved in Chicago. Staff has completed corresponding recommended revisions to the GTIC Reference Manual for review, which will require approval by GTIC before taking effect.	ASHRAE Staff	20 February 2024	Closed

CLOSED ACTION ITEMS

AI#	Action Item	Assigned	Completion Date	Status
5	An action item was assigned to all subcommittees to develop their own MBOs to establish precedents for future work. Subcommittee chairs are expected to provide reports at future meetings. RCIS and PCIS have developed draft MBOs; these have been posted on the GTIC Basecamp. MBOs for TCIS still need to be developed. All subcommittees have developed their own MBOs. Complete.	TCIS	20 February 2024	Closed
6	An action item was assigned to the Project Committees Interactions Subcommittee to review the ASHRAE Strategic Plan and provide feedback on behalf of GTIC. Feedback which was submitted was reviewed during the 20 February 2024 GTIC meeting. Complete.	PCIS	20 February 2024	Closed
7	An action item was assigned to Doug Fick, Ashish Rakheja, and Cheng Wee Leong will develop comments on the ASHRAE Strategic Plan for submittal on behalf of GTIC. Feedback which was submitted was reviewed during the 20 February 2024 GTIC meeting. Complete.		20 February 2024	Closed
8	An action item was assigned to the all the subcommittees to schedule monthly meetings.	TCIS/RCIS/ PCIS	16 April 2024	Closed
9	An action item was assigned to GTIC leadership to meet with Kevin to discuss current activities and needs in TCIS.	Olu Soluade Ashish Rakheja Steve Bushby Kevin Mercer	22 April 2024	Closed
10	An action item was assigned to ASHRAE staff to reach out for feedback from GTIC members on the GSO MOU draft. Kai reached out to Hassan with MOU draft. No further feedback at this time from Hassan. Hassan would be able to join liaison team to assist needs.	Staff	26 May 2024	Closed
11	An action item was assigned to ASHRAE staff to provide ASHRAE leadership with updates on GTIC activities.	Staff	24 June 2024	Closed

CLOSED ACTION ITEMS

AI#	Action Item	Assigned	Completion Date	Status
12	An action item was assigned to Ashish to reach out to Dennis Knight to discuss the lack of participation from U.S TAG for ISO/TC 59/SC 13 and propose the relinquishment of the administration. – Ryan reported that Dennis Knight is aware that relinquishment of the U.S. TAG to ISO/TC 59/SC 13 is proposed in the upcoming Society Year budget to reduce costs.	Ashish Rakheja Ryan Shanley	12 August 2024	Closed