



Global Technical Interaction Committee Meeting Agenda

Monday, 09 December 2024
8:00 AM – 11:00 AM EST
1:00 PM – 4:00 PM UTC

Meeting Link:

<https://ashrae.webex.com/ashrae/j.php?MTID=m2c6dbbd6c25eb4948d1ab7503626a8ca>

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)	
2	Steven Bushby (Vice Chair)	x	Wade Conlan (Coordinating Officer)	
3	Michael Corbat (U.S. TAG to ISO/TC 142 Chair)	x	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)	x
6	Coleman Brumley (U.S. TAG to ISO/TC 205 Chair)	x	Maralyn Graham (Staff)	x
7	Drake Erbe (U.S. TAG to ISO/TC 163 Chair)	x	Jacob Karson (Staff)	x
8	Justin Prosser (U.S. TAG to ISO/TC 86 Chair)	x	Jaap Hogeling	
9	George Pantelidis	x	Luis Alvarado	x
10	Hassan Younes	x	Scott Creamer	x
11	Fabio Clavijo	x	Duane Jonlin	
12	Cheng Wee Leong			
13	Prof.Jyotirmay Mathur	x		

1. Call to Order (8:00 AM EST) – Chair called meeting to order at 8:02 AM EST

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 impact 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 make recommendations on new activities and policies in response.

2. Introductions

Ashish suggested using the meeting to provide high level reporting from the subcommittees and discuss preparations needed for Orlando's Winter Conference.

3. Review Of Agenda

4. Approval Of Minutes Of 14 October 2024 Virtual Meeting - Jyotirmay motioned to approve meeting minutes. Steve 2nd – Meeting minutes approved by consensus.



GTIC Draft Virtual
Meeting Mins_2024-1

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 November 19 to discussed proposed motions (report and presentation attached)



241119 GTIC RCIS
Meeting MinutesMOT



241209 GTIC RCIS
Motions.pptx

Presentation shared and reviewed. Fabio indicated that all regions were represented in the survey responses.

Ashish communicated that the RCIS developed a survey which was solicited to RVCs and Chapter Presidents. Results were collected and analyzed, and the intent is to develop motions to present to the Tech Council.

- **Motion #1** – “RCIS proposes ASHRAE to launch 2025-2026 to be “ASHRAE Green Global Year (AGoGo 2025)” with the objective to engage ASHRAE Chapters and Regions around Standards Harmonization processes. The first standard to be addressed is Standard 62.1“
 - Motion 1 passed.
 - Title concerns, but title to be deferred to Marketing
 - PCIS expressed concerns about ongoing efforts once a project is completed. Asks for GTIC to be cautious with developing process to adapt/adopt.
 - Drake presented the following MBOs developed by PCIS to support RCIS ideas.
 - MBO #1 – to support RCIS motions, PCIS to define the final end product (62.1). Define resources within ASHRAE
 - MBO #2 – to support RCIS motions, PCIS to produce a list of next standards to be considered which will include the risks and level of effort
 - Standards Committee to provide additional support on the backend.
 - Ashish believes the TechC will review the motions and kickback. Clarity on the ask and funds allocations will be needed. Questions will arise on the selection of Standard 62.1 as the pilot project.
 - Jyotirmay agreed the process will need to be clearly developed and modify as needed once project completes. Standard 62.1 was chosen as it seems to be in demand for adaptation. Need clarity on costs associated with motion.
 - Steve believes the wording of the motion is conveying a one-year effort and we need to modify to show it will be ongoing. Suggests creating a feedback component for maintenance purposes and an education component.
 - Drake agrees the fundamentals of 62.1 are being used and referenced. Asked how GTIC can continue to support and help with evolution of process.
 - Ashish requests for motions to be modified. Suggests running a pilot with the most popular standard. Agreed to educate and consider feedback to make standards more global. Remove the need for a full-time staff hire. Proposes a form to be developed for 62.1 and have feedback sent back to 62.1 committee. Form could be developed for the top 3 demanded standards.
 - Next step is to modify motions to be more technical and adoptable. Asked that Fabio include Satheesh, Steve, and Drake in discussion. Motions to be presented at Orlando. Once motions are approved by GTIC, Ashish will present to TechC.
 - Steve suggested to find ways to take advantage of the resources that currently exists in the society. If an educational program is present, there is no need to create one from the beginning.
 - Drake mentioned Designated Lecturers may be able to support.
 - Meeting scheduled for December 16 to review and modify motions.
- **Motion #2** – RCIS proposes ASHRAE to move initially towards a global understanding and application of ASHRAE Standard 62.1 across ASHRAE Chapters and Regions during 2025-2026 to settle a landmark of globalization reference.

- Motion 2 eliminated and combined with Motion 1
- **Motion #3** - RCIS proposes ASHRAE to move Building Industry Stakeholders to jointly spread and advance on Research and improved Practices towards Greening the Building Industry. This call to be held annually as “Global Green Building Call”.
 - Motion 3 failed.
 - Steve highlight a common theme on survey and the range of topics to support. The feedback form may give an opportunity to enhance standards.
- **Motion 4** - RCIS proposes ASHRAE to designate “Regional Champions” within the structure of GTIC to coordinate ASHRAE Standards harmonization activities thru Regions and Sub-regions in order to reach approved global efforts around Sustainability and Decarbonization within following three (3) years.
 - Fabio stated the motion is proposing to expand the committee and add the Regional Champs.
 - Ashish does not agree as it will have financial challenges, but does agree with creating a position of Regional Champ as a communication channel as there would be no financial impact.
 - Ashish proposed to revise motion
 - Steve proposed to use the term “liaison” instead of Regional Champs.

B. Technical Committees Interactions Subcommittee – Satheesh Kulankara (Chair), Justin Prosser, Michael Corbat, Steve Bushby.

A time slot for GTIC activities has been given at the TC Chair’s Breakfast. Satheesh requested for GTIC slide deck by the third week of January. Drake is to be the speaker on behalf of GTIC. Drake proposes to focus on ISO as TAC has been incorporating GTIC activities in their agenda. Proposes to convey the need for ISO engagement and global harmonization. A request was made for Drake to send an email of outlined recommendations from ExCom. Ashish stated that GTIC previously reviewed the scope and training and suggested to present the survey findings related to the technical side instead. Presenting the results will show that GTIC is communicating globally and asks that the second half to be ISO focused.

C. Project Committees Interactions Subcommittee – Drake Erbe (Chair), Adrienne Thomle, Coleman Brumley

PCIS met on November 7 and December 5 (reports attached).



PCIS Draft Meeting
Minutes_2024-11-07.



PCIS Draft Meeting
Minutes_2024-12-05.

Meeting report reviewed. Drake indicated that the Standards Committee will need to be engaged in the motions’ efforts. Adrienne will add an item to the Standards Committee agenda to discuss GTIC activities. Drake suggested clarifying in the Tech Council report that the number of results reflects the expertise from the industry. Ashish recommends to meet separately on how regions will be moving forward with adoption/adaption and the level of support needed by the Standards Committee. Results of the discussion will need to be reported to the Standards Committee at the Winter Conference.

D. Special Projects - George Pantelidis (Chair), Steven Bushby, Jyotirmay Mathur

Special Projects to meet on December 11th to finalize responses to the comments from UNEP. SC has been tasked with collaborating with UNEP on how to provide support from ASHRAE once requests are received. Responses to be shared to full GTIC to review and provide any feedback.

SC will also review the draft letter to communicate the needs of the signed MOUs. Contacts have been provided for MOUs to initiate contact.

E. ExCom - Ashish Rakheja (Chair), Steven Bushby, Fabio, Satheesh, Drake, George Pantelidis, Ryan Shanley, Kai

- ExCom met on November 11 (report attached)



GTIC ExCom Draft
Meeting Minutes_202

- The intent of the ExCom meeting is to bring forward any issues preventing goals from being met and provide a high level reporting.

6. Liaison Reports – Liaison Reports deferred to Winter Conference

A. Government Affairs Committee – Eleazar –

- GAC has requested to use a similar format from existing survey for research on market needs for adoption of ASHRAE standards.
- Staff liaison, Jacob Karson, communicated that MBO #5 from GAC is to work with Global Technical Interaction Committee (GTIC) to facilitate sharing of information to avoid duplication of efforts, including through improved understanding of market needs and the tracking and adoption of ASHRAE standards and guidelines around the world.
 - Nominate a liaison from GAC to GTIC
 - Each member of GAC to provide a list of ASHRAE standards that have been adopted by various jurisdictions in their regions.
 - Identify opportunities for ASHRAE Standards adoption, including through scheduling meetings, sharing information about standards, and/or writing advocacy letters for standards adoption.
- Alignment of survey format would allow for effective analysis between GTIC and GAC. Jacob has requested for the decision to be made by GTIC as soon as possible as research projects are currently being assigned.
- Fabio agreed for GAC to utilize the same survey format and inquired about the future needs and level of support from GTIC.
- Ashish requested for Jacob to share results with GTIC in order to follow and stay current with activities
- Steve suggested highlighting the ongoing efforts being made by GTIC and the collaboration with GAC on the adoption/adaption of ASHRAE standards in the report to Tech Council.

B. Technical Activities Committee - Satheesh Kulankara

C. Energy Performance of Buildings - Jaap Hogeling

D. RAC

E. CEBD - Dr Jyotirmay Mathur

F. AASA - Eleazar Rivera / Cheng Wee Leong

7. Status of MBOs – Review of MBOs deferred to future meeting.



2024-25 ASHRAE
MBO Tracking_GTIC.xl

8. International/Region Updates
9. Other Business – No other business discussed.
10. Review of Action Items – Actions Items reviewed and updated. See below.
11. Next Meetings – Virtual meetings scheduled for second Monday bi-monthly, 8:00 AM to 11:00 AM Eastern Savings Time
- A. Sunday, 9 February 2025, 9:00 AM to 12:00 PM EST (2:00 PM to 5:00 PM UTC) – Orlando, Florida – Kai to provide room and Webex information. Subcommittees to provide reports.
 - B. Monday, 14 April 2025, 8:00 AM to 11:00 AM EDT (1:00 PM to 4:00 PM UTC) – Virtual
 - C. Monday, 9 June 2025, 8:00 AM to 11:00 AM EDT (1:00 PM to 4:00 PM UTC) – Virtual
12. Adjournment (11:00 AM EST) – Meeting adjourned at 9:36 AM EST

GTIC Action Items
As of 21 October 2024

Updated Items Noted in Red

OPEN ACTION ITEMS				
AI#	Action Item	Assigned	Estimated Completion Date	Status
1	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. 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	RCIS		Open
2	Review survey results and develop recommendations on standards development for adaption, adoption, and enforcement. Recommendations to be presented to GTIC to discuss and develop motions to submit to TechC. RCIS to modify and finalize motions proposed. Final motions to be discussed at the 2025 Winter Conference in Orlando, FL.	TCIS PCIS RCIS	9 December 2024	Closed

CLOSED ACTION ITEMS				
AI#	Action Item	Assigned	Completion Date	Status
1	An action item was assigned to all subcommittees to schedule virtual meetings at the earliest opportunity. 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	RCIS, TCIS, PCIS	21 January 2024	Closed
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

CLOSED ACTION ITEMS				
AI#	Action Item	Assigned	Completion Date	Status
4	<p>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.</p> <p>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.</p>	ASHRAE Staff	20 February 2024	Closed
5	<p>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.</p> <p>RCIS and PCIS have developed draft MBOs; these have been posted on the GTIC Basecamp. MBOs for TCIS still need to be developed.</p> <p>All subcommittees have developed their own MBOs. Complete.</p>	TCIS	20 February 2024	Closed
6	<p>An action item was assigned to the Project Committees Interactions Subcommittee to review the ASHRAE Strategic Plan and provide feedback on behalf of GTIC.</p> <p>Feedback which was submitted was reviewed during the 20 February 2024 GTIC meeting. Complete.</p>	PCIS	20 February 2024	Closed

CLOSED ACTION ITEMS				
AI#	Action Item	Assigned	Completion Date	Status
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
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