



GLOBAL TECHNICAL INTERACTION COMMITTEE MINUTES

**ASHRAE 2025 Winter Meeting
09 February 2025**

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1. Call to Order and Introductions

The Global Technical Interaction Committee 2025 Winter Meeting was called to order by GTIC Chair, Ashish Rakheja, on Sunday, 9 February 2025, 9:07 AM EST.

Introductions

GTIC members, staff and guests were greeted. The attendees were as follows:

Members Present

Ashish Rakheja, *Chair*
Steven Bushby, *Vice-Chair*
Adrienne Thomle, *StndC Vice Chair*
Drake Erbe
Fabio Clavijo
Cheng Wee Leong
Jyotirmay Mathur
George Pantelidis
Satheesh Kulankara
Justin Prosser
Hassan Younes
Richie Mittal, *Bod ExO*
Wade Conlan, *Coordinating Officer*
Hywel Davies, *Consultant*

Members Not Present

Michael Corbat
Coleman Brumley

Staff Present

Ryan Shanley, *Sr. MOS*
Kai Nguyen, *AMOS-I*
Maralyn Graham, *PAS-I*
Kristin Pilot, *Development Director*

Guests Present

Vikrant Aute
Nisha Nair
Frank Mills
Devin Abellon
Tim Wentz
Luis Alvarado
Jayson Bursill
Scott Creamer
Douglas Fick
Jaap Hogeling
Sarah Maston
Rupesh Iyengar
Mohammed Shamroukh
Osama Khayata
Bassel Anbari
Mohammad Daoud
Eduardo Garcia Huertas

2. Adoption of the Agenda

The agenda was adopted as written and the ASHRAE Values Statement, Code of Ethics, Core Values, Diversity Statement, and GTIC purpose and scope were reviewed.

3. Approval of Minutes

The minutes of the 9 December 2024 virtual meeting were reviewed. The minutes were approved by consensus present.

To review the meeting minutes, please see [Attachment A](#).

4. Review of Action Items

Please see the updated status of Action Items on [Page 9](#).

5. UNEP Update

UNEP report was provided by Tim Wentz from the ASHRAE-UNEP liaison committee. Tim focused on the key topics:

1. Focal Points of Communication Initiative
2. Low GWP Innovation Award
3. Translations into Spanish and French
4. Updating of Refrigerant Management for Future Engineers' course
5. RAC Plant Sustainability Pilot Program
6. 2026-2027 Work Plan

The committee was formed to develop and implement mutually beneficial programs and initiatives focusing on Montreal Protocol compliance in Article 5 countries.

Steve Bushby requested for translation documents to be provided to assist GTIC in defining process. Tim Wentz explained that UNEP initially approached a firm for translation of two courses, but found the approach to be extremely costly. UNEP has been using different AI tool for translation. Fabio Clavijo mentioned Spanish translation has been completed in the past and suggests to have the AI review and finalize different versions of Spanish.

TW found no success with tables, footnotes, pictures, or charts.

Adrienne Thomle mentioned the Board does not allow the use of AI and would like confirmation on the use for translations. TW confirmed that the AI is being used for experimenting/testing and NOT for publishing per the directive.

Hassan Younes mentioned Arabic translations was done by volunteers. Inquired if translation assignments can be done by Chapters.

Kristin Pilot mentioned the need to confirm with Mark Owen on AI usage.

TW confirmed the AI usage is for UNEP paid courses and are open sourced.

ASHRAE-UNEP portal exists like refrigerant management, everything on portal is open sourced.

Ashish Rakheja inquired on how ASHRAE can better serve UNEP on the incoming training requests.

TW believes there is a gap to address technicians and existing courses are not applicable to technicians.

Drake Erbe mentioned the relationship between AHRI and ASHRAE and any connections will help with the overall goal. Suggested to look into the Technicians Excellence Program. ISO/TC 86 & ISO/TC 205 looking into global warming and asked if there are existing relationships with ISO to allow for expansion.

TW confirmed no relationships in place as of date. DE mentioned the ISO/86 plenary taking place May and requested for a presentation from UNEP as synergy is needed in all ASHRAE and AHRI. Justin Prosser mentioned the US TAG to ISO/TC 86 is looking into training with ISO 22712 and would like to adopt as US standard. TW to apply these ideas into the new workplan and will look to GTIC for additional input. Ashish mentioned the pilot program went well and suggests for Special Projects to look into work plan.

For more information regarding this report, please see [Attachment B](#).

6. Planning Committee Presentation

As a part of outreach to all committees and councils from the ASHRAE Planning Committee, Rupesh Iyengar presented the purpose/role of PLC in ASHRAE. Presented how PLC can work with/assist committees in the development of MBO's in accordance with the Strategic Plan.

To review the PLC presentation, please see [Attachment C](#).

7. Subcommittee Reports

1. Region and Chapters Interactions Subcommittee (RCIS)

FC presented the survey analysis and motion to GTIC: GTIC recommends to TechC that all ASHRAE Regions with Chapters outside United States to appoint a liaison (Regional position) who will work closely with the GTIC to help in interaction with the ASHRAE Chapters in their Region and help promote exchange of ASHRAE technical resources to meet its objectives. GTIC members are in favor of the motion and agree connections to the regions and chapters are vital for GTIC objectives.

GTIC approved the motion to be submitted to Tech Council

For more information regarding this report and supporting documents, please see [Attachment D](#).

2. Technical Committees Interactions Subcommittee (TCIS)

Satheesh Kulankara mentioned GTIC slides were presented by Steve Bushby at the TC Chairs Breakfast. The presentation recieved positive feedback and there was a request for section heads/volunteers for the TAG membership. There is currently no requests at this time to the TCs for the regions. SB mentioned the members were interested in the workshop held in September 2024 in Paris. Participation interests from TC 4.7 and TC 6.5.

A presentation to spread awareness of GTIC's accomplishments was presented at the TC Chairs Breakfast; please see [Attachment E](#).

3. Project Committees Interactions Subcommittee (PCIS)

PCIS to define the needs to support the motion from RCIS. Hywel Davies requested for standards to be written with those who participation outside of North America. Requested for participation in development. JP recognized the need to organize standards and categorize if standards are to be written/align globally. FC volunteered to engage and to work with DE and JP.

PCIS MBOs:

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

4. Special Projects

George Pantelidis presented the report from Special Projects. Highlighted the work efforts between ASHRAE-UNEP. Completed first round of outreach to the organizations with whom ASHRAE holds an MOU. Kai/Staff to continue to follow up with contacts on missing MOUs. FC suggested to have a deadline placed on survey responses for compilation and processing. GP suggested to keep the MBO of MOU open.

For more information regarding this report, please see [Attachment F](#).

8. Liaison Reports

1. CEBD
Jyotirmay Mathur continues to meet with the CEBD and Special Projects. The outcome of the GTIC survey was shared with Special Projects. As interests are in decarbonization and adaption of standards, the CEBD requested for a list of volunteers in local and regional. As survey captured the interested volunteers and supporting levels, the list has been forwarded to the CEBD.
2. AASA – No report received from AASA
3. Planning Committee – Presentation done by Rupesh Iyengar
4. Government Affairs – No report received from GAC

9. EU New Construction Products Regulation

Hywel Davies presented the EU Construction Products Regulation 2024. The European Union published the long awaited revision to the Construction Products Regulation on 27th November 2024. This updates the 2011 version and reinforces the requirements for all construction products covered by harmonised European Standards to comply with the standards and to be CE marked in accordance with the relevant Annex to the standard in order to be placed on the EU market. This note sets out the headline issues as they may relate to the work of the ASHRAE GTIC and GAC.

To review the presentation on EU Construction Products Regulation 2024, please see [Attachment G](#).

10. Strategic Discussions

1. ASHRAE Role in Technician Training – Deferred to annual meeting
2. Procedure for Global Adaptation & Adoption of ASHRAE Standards
SB requested for input on the procedures of adaptation and adoption to be successful. JH believes that if regions wants to adopt, the standard should be adopted as written. Modification to standard if adaptation is desired to align with local region compliance. Suggested to add annex to identify sections where set of data will need modification and label as “normative annex”. SB inquired about the impact on the role of CEN and given that these are ASHRAE standards, how should GTIC proceed with international interest as these are intellectual property. DE stressed that we cannot harmonize if the challenge comes from distribution, sales, and ownership. JM proposed for national/regional deviation to come from local committee/chapters to GTIC if wanting adaptation. GTIC will then forward requests to the respective standard committee for vetting. The committee can finalize once approved/acceptance of deviation. Ownership to be placed on ASHRAE, but deviation to be with region. Proposed main standard to be sold by ASHREA and draft to be done locally and submitted to GTIC.
Doug Fick suggested to localize the CMP process. JH to share document on the process. HY stated the Standard 90.2 was made adoptable for Kuwait. SB mentioned it was an ad hoc development and changes done to the descriptive parts for specific area. SB asked what are the lessons learned from the process and to develop a more generic process. HY mentioned parts are highlighted in the standard for regions to adapt.
Ryan Shanley stated ASHRAE Standard 100 had a request from British Columbia and the standard currently has an informative appendix to set target for jurisdiction. Suggested to add appendix instead of modifying the entire standard.
JM requested for more awareness and training programs to be organized based upon survey results for adoption.

11. Status of MBOs

Review of the MBOs deferred to the next GTIC meeting.

To review the MBOs, please see [Attachment H](#).

12. International/Region Updates

No reports at this time.

13. Other Business

1. Global South

Ashish presented recommendations to ASHRAE to engage with organizations in the global south. Special Projects assigned to review the list of MOUs and to rank the priority level. For more information, please see [Attachment I](#).

2. Reference Manual Revisions

GTIC will need to approve the revisions to the Reference Manual. Item has been deferred to the next GTIC meeting.

3. Updated Climate Design Data for Ukraine

Ryan summarized the request from Ukraine to update Climate Design Data 2009 ASHRAE Handbook. For more information on the request, please see [Attachment J](#)

14. Next Meeting/Closing Items

Next Meetings:

- Monday, 14 April, 2025, 8:00 AM to 11 AM EDT, Virtual
- Sunday, 22, June, 2025, 9:00 AM to 12 PM MST, Annual Meeting Phoenix

15. Adjournment

The GTIC meeting adjourned at 12:00 PM EST.

16. Attachments

Attachment A



GTIC Draft Virtual
Meeting Mins_2024-1

Attachment B



UNEP-ASHRAE
Update Feb 2025.pdf

UNEP-ASHRAE portal: <https://www.ashrae.org/professional-development/ashrae-unep-portal>

Attachment C



PLC II to
Committees_0102202

Attachment D



250209 GTIC RCIS
Survey Analysis5 FC9



250209 GTIC RCIS
MBO 2025 1.docx



250208 GTIC RCIS
Motion1.pptx



241118 ASHRAE
GTIC ActivReport2.docx

Attachment E



GTIC 2025 Winter
Conference TC Breakf

Attachment F



Special Projects SC
report-Orlando 2025.

Attachment G



DPP for GTIC.pptx



The EU Construction
Products Regulation 2

Attachment H



2024-25 ASHRAE
MBO Tracking_GTIC.xl

Attachment I



Global South Action
Item - Leung and Rakl

GTIC Action Items
As of 9 February 2025

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. –FC developed document to introduce GTIC activities and objectives and finalized. The next step is to push document globally.</p> <p>RCIS is trying to understand the trends to follow. The Regional Champions have been designated. Next action item to advance goals from survey.</p>	RCIS	9 February 2025	Closed