



**TECHNOLOGY
COUNCIL
Fall Web Meeting
October 27, 2025**

NOTE: These are not official minutes until approved by Technology Council.

MOTIONS

Technology Council Fall Web Meeting Motions October 27, 2025

Motion Number	Motion
1	The following Title, Purpose and Scope be approved and a new Standard Project Committee be formed: Title: Method of Test for Control Programming Conformance with HVAC Sequences of Operation Purpose: This standard specifies a Method of Test to verify that control programming logic conforms with the functional intent of standardized HVAC control sequences. Scope: 1. This standard applies to the programming of building automation system controllers intended to implement standardized control sequences such as are included in ASHRAE Guideline 36. 2. This standard defines a series of test scripts detailing test conditions for applicable control points to be evaluated against expected responses, with pass/fail criteria for each test. 3. This standard defines a bench-scale procedure and software tool requirements that test control programming hosted on physical controllers through BACnet network communication protocols with no physical sensors or devices involved. 4. This standard does not apply to programming for which test scripts have not yet been specifically included in this standard. Background: This TPS was submitted by Hwakong Cheng for consideration at the 2025 Summer meeting. PPIS had several questions which required the submitter to do additional research. The TPS was updated and brought forward at the Fall PPIS meeting. PPIS assigned the TC 1.4, <i>Control Theory and Application</i> as the cognizant committee. Hwakong Cheng is recommended as the Chair of the proposed new project committee. There are at least five members willing to volunteer.
2	Technology Council recommend that the REF-CPCC Manual of Procedures be revised as shown in Attachment 05E-A. BACKGROUND: Changes to the REF-CPCC MOP were made to match the current ROB, allow for non-voting member contributions, and other editorial changes, FISCAL IMPACT: none

ACTION ITEMS
Technology Council Fall Virtual Meeting
October 27, 2025

Secretary's Note: There were no new action items from this meeting.

ACTION ITEMS
Technology Council Annual Conference Phoenix
June 25, 2025

AI#	Responsibility	Status	Description
1	Staff	Complete	To reach out to each committee under Tech Council and walk through what is and isn't in each committees 25-26 SY budget and dollars allocated.
2	RAC & Staff	Ongoing	To review RAC's process about whether or not they need to reach out to TCs.

ACTION ITEMS
Technology Council Spring Virtual Meeting
May 7, 2025

Secretary's Note: There were no new action items from this meeting.

ACTION ITEMS
Technology Council Winter Conference Orlando
February 12, 2025

AI#	Responsibility	Status	Description
1	Staff	Ongoing	To determine the best person on PubEd to reach out to REF about online special publications.

ACTION ITEMS
Technology Council Fall Virtual Meeting
October 29, 2024

Secretary's Note: There were no new action items from this meeting.

ACTION ITEMS
Technology Council Annual Meeting Indianapolis
June 26, 2024

AI#	Responsibility	Status	Description
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1	Staff	Complete	To send EHC's 2024 Trends and Research Gaps report to RAC and TAC.
2	TAC	Complete	To look at the "H" in ASHRAE and the emerging trend of electrification of heating for comfort and process cooling. TAC to make recommendations for support of "H".
3	Staff	Complete	To send RBC, TAC, and RAC's Strategic Plan to Society Planning Committee.
4	Staff & Tech Council Leadership	Ongoing	To work with RAC to make sure RAP process is in the correct location in the rules.

ACTION ITEMS

Technology Council Spring Web Call
March 11, 2024

AI#	Responsibility	Status	Description
1	Staff	Complete	To send the ASHRAE Global HVAC&R Summit Final Report with Tech Council assignments to Tim Wentz.
2	Staff	Complete	To send the ASHRAE Global HVAC&R Summit Final Report with Tech Council assignments to the Standing Committee Chairs.
3	Wade Conlan	Complete	To arrange a working session between the Energy Efficiency in Buildings PD Committee and those who have opinions about the revised position document.
4	James Bennett	Complete	To share TAC inputs to the Strategic plan with the Society Planning Committee.
5	Standing Committees	Complete	To keep Susanna Hanson informed on Strategic Plan input.
6	Stephanie Reiniche	Complete	To record sentiments from this meeting regarding DEI for Ashish to bring to the Board.
7	Tech Council	Ongoing	To update the Tech Council Reference Manual to reflect the process for handling projects from the CEBD.

Minutes
Technology Council

<u>Voting Members Present:</u> Devin Abellon, Chair Trent Hunt, Vice Chair Corey Metzger Doug Fick Doug Reindl Dru Crawley Joseph Sanders Mark Fly Martin Dieryckx Michael Pouchak Richie Mittal Steve Bushby – GTIC Chair Jin Wen – RAC Chair Carol Marriott – RBC Chair Don Brandt – REF Chair Adrienne Thomle – StdC Chair Satheesh Kulankara – TAC Chair <u>Non-voting Present:</u> Fabio Clavijo – GTIC Vice Chair Roland Charneux – RAC Vice Chair Yashkumar Shukla – RBC Vice Chair Vikrant Aute – TAC Vice Chair	<u>Staff</u> Stephanie Reiniche, DOT Steve Hammerling, SMORT Tanisha Meyers-Lisle, AMOS-Administration Derrick Nesfield, MOSP Leigh Lain Walker, MOBD Heather Pierce, Technical Services Engineer Lizzy Seymour, DOMS Kirstin Pilot, DOD Amber Thomas, Administrative Assistant <u>Guests</u> Carrie Brown David Yuill Hwakong Cheng Jen Pille Kashif Nawaz Tina Brueckner <u>TechC Voting Absent:</u> David Yashar Kevin Mercer Pat Marks Max Sherman – EHC Chair <u>TechC Non-Voting Absent:</u> Lisa Ng – EHC Vice Chair Bruce Nelson – REF Vice Chair Jennifer Isenbeck – StdC Vice Chair
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1. CALL TO ORDER/OPENING COMMENTS

Chair Abellon called the meeting to order at 10:00 A.M. EST. The Value Statement, the commitment to the Code of Ethics, the ASHRAE Core Values, and the Diversity Statement were shared during the meeting.

Secretary's Note: Quorum was met with 17 voting members, including the Chair, at the start of the meeting.

All reports referenced in the minutes are on Basecamp in the folder “2025-10-27 Fall Web Meeting.”

2. REVIEW OF AGENDA

A. Agenda Review

The agenda was approved as presented.

Secretary’s Note: The meeting began with Doug Reindl’s report, 07A Safety for Next Generations Refrigerants.

3. MINUTES/ACTION ITEMS

A. TechC Spring Meeting Minutes – 03A

B. TechC Annual Meeting Minutes – 03B

It was moved as a consent agenda by Adrienne Thomle and seconded by Dru Crawley that the Technology Council Spring and Annual Meeting minutes be approved.

Tech C Vote: 15-0-2¹

C. Action Items

The action items were updated as shown above in the action item table.

Secretary’s Note: Doug Reindl left, bringing the total number of voting members to 16. After the action items, we went to the Subcommittee Reports, beginning with Special Projects.

4. SUBCOMMITTEE REPORTS

A. Operations (OPS)

Doug Fick, OPS Chair, presented the report. The report is posted on Basecamp as *04A OPS Report to Tech Council.docx*.

Mr. Fick highlighted the following information items:

1. Standing committees reviewed their MBOs, making sure they are up to date and align with the current Strategic Plan.
2. Standards Committee is working on the harmonization of standards by working with the Special Projects sub-committee to create a work statement for harmonization of decarbonization standards. The first stage of their harmonization project includes requesting by-in of process by PC chairs.

¹ Devin Abellon (Chair) and Satheesh Kulankara abstained

3. TAC is emphasizing TC Chairs training for effective operations, using existing administrative resources and procedures and outreach to other standing committees.
4. RAC is updating the RAC MOP and Reference Manual to specify rules for the formation and operation of RAP to develop a strategic plan.
5. When a committee has a policy related component coordination with Government Affairs is encouraged. For example, EHC has monthly meetings with GA. This could be a good topic to integrate into the PC and TC chairs breakfast.

B. Special Projects

Secretary's Note: This report was presented first and then moved to EHC report.

Corey Metzger, Special Projects Chair, presented the report. The report is posted on Basecamp as *04B_SpcProj_Report_to TechC_2025_10_27_Final.docx*.

Mr. Metzger highlighted the following information items:

1. The Special Projects Subcommittee voted to approve the recommended bids for 1977-SP (Expand and update the ASHRAE Service Life Table in the HVAC Applications Handbook) and 1988-SP (Whole-Life Gap Analysis). Research Agreements were sent out by ASHRAE Staff and are awaiting return of the signed documents.
2. Five bidders have submitted proposals for the Decarbonization Strategies for Grocery Store Industry Archetypes project. This project is being handled by the Center of Excellence for Building Decarbonization (CEBD).
3. Contract negotiations between NEMA/PNNL and CEBD are finalized, and framework assignments have begun for the Decarbonization Framework for Generative AI Data Centers project. The first draft is expected by November 19, 2025, 60% expected by January 2026. In-person author's meeting will take place at Winter Conference, expected to be published (online) June 2026.
4. The CEBD and SP Champions of the remaining BOD-approved CEBD projects (**see *BOD-Approved CEBD Projects shown below***) continue to collaborate with their respective working groups (WGs) to complete their work statements (WS). WS drafts will be reviewed by a designated section RAC liaison for comments and feedback which are incorporated in the final WS draft. The WS will then be voted for approval by the Special Projects Subcommittee voting members to proceed to the RFP process.
5. Special Projects Subcommittee members and liaisons will continue to meet bi-weekly in the new Society Year as well as continue collaborating with the

CEBD Champions and other parties (working groups, stakeholders, TCs, Standing Committees, etc.) to best coordinate work on their respective assigned projects.

C. Document Review Subcommittee (DRSC)

Trent Hunt, DRSC Chair, presented the report. The report is posted on Basecamp as *04C-DRSC Rprt to TechC.F25.docx*.

Mr. Hunt highlighted the following information items:

1. The *Refrigerants and Their Responsible Use* Position Document (PD) committee is expected to submit a draft for review by the Winter Meeting. The current draft discusses PFAS but doesn't take a position on their use in refrigerants. Revised drafts for *Unvented Combustion* and *Climate Change* are also expected in Las Vegas.
2. DRSC is reviewing the PD approval process to consider formally requiring PD cognizant committee approval before DRSC, TechC and BOD approval.
3. EHC intends to request a new revision of the *Environmental Tobacco Smoke* PD at the Winter Meeting. In response to the CRC motion, they will review the issue of smudging in cultural/religious practices.

Martin Dieryckx asked if there is anywhere in ASHRAE where they are defining what is and what isn't PFAS, in addition to why we are handling PFAS and not VOCs. Corey Metzger responded that the position document for indoor chemistry is more wholistic and includes more details regarding VOCs. Doug Fick added that there is a lot of legislation occurring in terms of PFAS and that's why it's at the forefront right now.

5. STANDING COMMITTEE REPORTS

A. Standards Committee (StdC)

Adrienne Thomle, StdC Chair, presented the report. The report is posted on Basecamp as *05A_StdC Report to Technology Council_Fall 2025.docx*.

It was moved by Ms. Thomle that:

The following Title, Purpose and Scope be approved and a new Standard Project Committee be formed:

Title: Method of Test for Control Programming Conformance with HVAC Sequences of Operation

Purpose: This standard specifies a Method of Test to verify that control

programming logic conforms with the functional intent of standardized HVAC control sequences.

Scope:

5. This standard applies to the programming of building automation system controllers intended to implement standardized control sequences such as are included in ASHRAE Guideline 36.
6. This standard defines a series of test scripts detailing test conditions for applicable control points to be evaluated against expected responses, with pass/fail criteria for each test.
7. This standard defines a bench-scale procedure and software tool requirements that test control programming hosted on physical controllers through BACnet network communication protocols with no physical sensors or devices involved.
8. This standard does not apply to programming for which test scripts have not yet been specifically included in this standard.

Background: This TPS was submitted by Hwakong Cheng for consideration at the 2025 Summer meeting. PPIS had several questions which required the submitter to do additional research. The TPS was updated and brought forward at the Fall PPIS meeting. PPIS assigned the TC 1.4, *Control Theory and Application* as the cognizant committee. Hwakong Cheng is recommended as the Chair of the proposed new project committee. There are at least five members willing to volunteer.

TechC Vote: 15-0-1²

Ms. Thomle highlighted the following information items:

1. The ASHRAE Audit has closed and minor updates to PASA will be presented to Standards Committee in Las Vegas. Standards Committee has created an ad hoc to train members on the importance of the audit and provide reminders to PC Chairs about process requirements that are essential to the audit.
2. Standards Committee continues to work on the harmonization/duplication of ASHRAE Standards and Guidelines.

B. Research Administration Committee (RAC)

Jin Wen, Chair of RAC, presented the report. The report is posted on Basecamp as *05B-RAC-Info Items.F25.docx*.

Ms. Wen highlighted the following information items:

1. RAC awarded tentative research project **1825-TRP**, *Effects of Locally Provided Makeup Air on Commercial Kitchens* be awarded to Syracuse University, for a period of 14 months at a total cost to ASHRAE of \$275,127. (**Appendix A**)

² Devin Abellon (Chair) abstained

2. RAC awarded tentative research project **1918-TRP**, *The Verification of openings, the limitations of openings, air distribution and humidity conditions in Naturally Ventilated spaces to compliment Section 6.4 of ASHRAE Standard 62.1* be awarded to the University of California - Berkeley for a period of 30 months at a total cost to ASHRAE of \$195,196. (**Appendix B**)
3. RAC awarded tentative research project **1925-TRP**, *Development of view clarity metrics for fenestration systems* be awarded to University of California - Berkeley for a period of 24 months at a total cost to ASHRAE of \$130,281. (**Appendix C**)
4. RAC reviewed 12 news RTAR submitted by the TCs at the 2025 Fall Meeting. 9 were accepted with comments and 3 were returned. The RTAR that was accepted w/comments will be added to the Society's Research Implementation Plan and developed by the sponsoring TC into a work statement for bid.
5. RAC reviewed 5 work statements at the 2025 Fall Meeting. 1 was accepted, 2 were conditionally accepted, and 2 were returned with comments.
6. RAC released 6 TRPs for bid on October 15th. Bids are due December 15th and could be awarded at RAC's Winter Meeting:
 - **0001-PRP**, *Update of 2 ASHRAE Publications: Application of Manufacturers' Sound Data, @1998, and Practical Guide to Noise and Vibration Control*, sponsored by TC 2.6 Sound & Vibration.
 - **1811-TRP**, *Determining Occupancy Patterns in Clusters of Buildings with Data Drawn from Web Based Social Media and Mobile Positions*"; Responsible Committee"; sponsored by TC 1.5, Emerging Computing Applications
 - **1882-TRP**, *Procedure for Estimating Occupied Space Sound Levels in the Application of UFAD Air Terminals and Air Outlets* sponsored by TC 2.6 Sound & Vibration
 - **1886-TRP**, *Kinetic and Mechanistic Study of the Breakdown and Interactions of HFO Refrigerants*", sponsored by TC 3.2 Refrigerant System Chemistry and Contaminant Control
 - **1959-TRP**, *Update People Load Data for Cooling Load calculations*" sponsored by TC 4.1 Load Calculations Data and Procedures
 - **1972-TRP**, *Data Center Direct-to-Chip Liquid Cooling Resiliency – Failure Modes and IT Throttling Impacts; Liquid Cooling Energy Use Metrics and Modeling*" sponsored by TC 9.09, Mission Critical Facilities, Data Centers, Technology Spaces and Electronic Equipment

7. The online Research Portal was introduced to TCs at the Phoenix meeting and made available for August deadline submissions. There were 4 RTARs and 0 Work Statements submitted through the portal for Fall. The aim is for all TCs to be using portal for RTAR/WS submission by December deadline. A training webinar will be available later this fall. More development is needed for use in bid submission and evaluation.

Mike Pouchak asked about any efficiency updates or improvements to the new RTAR submission system. Steve Hammerling responded that the system has currently only been partially rolled out, but used for a handful of RTARs. Staff has received positive feedback and once it's fully rolled out, it will make the process much more efficient.

Secretary's Note: Corey Metzger left, bringing the total number of voting members to 15.

C. Technical Activities Committee (TAC)

Satheesh Kulankara, the Chair of TAC, presented the report. The report is posted on Basecamp as *05C_TAC Rprt to TechC.F25.docx*.

Mr. Kulankara highlighted the following information items:

1. TAC is helping to communicate changes to ASHRAE Meeting policy changes for Las Vegas and future ASHRAE Meetings to Technical Committees. For the Winter Meeting, subcommittees were encouraged to meet virtually and were informed that TC subcommittee meetings after the 2026 Winter Meeting would not be approved. Subcommittees were asked to avoid hybrid meetings in favor of in person meetings.

A list of the new guidelines and reasons for the change was distributed to TAC section heads to communicate with TC members. Reasons for the changes included exorbitant cost of meetings, space requirements limiting options in hotel/city locations, committee meeting time requirements restricting members from participating in other events (technical program, Expo, social events, other meetings, etc.), quality of hybrid meetings is limited, etc.

2. TAC moved the deadline submission for the George Hightower award to December as it is now presented at Awards Plenary at Annual Meeting.

D. Environmental Health Committee (EHC)

Max Sherman, the Chair of EHC, was absent so Corey Metzger presented the report. The report is posted on Basecamp as *05D_EHC Rprt to TechC.25A_v1.docx*.

Mr. Metzger highlighted the following information items:

1. EHC is developing possible Emerging Issue Briefs (EIB) on the following topics:

- Per- and Polyfluoroalkyl substances (PFAS) in the Indoor Environment.
 - Lithium Battery Safety
 - Smudging Ceremony Rooms in Public Buildings.
2. EHC is developing a proposal for an Indoor Chemistry position document.
 3. EHC is meeting with GAC and developing advocacy training materials on environmental health messaging. These materials may include videos, power point slides with narration, etc. or training materials for chapters advocacy on environmental health issues. An outline is anticipated by the Winter Meeting.
 4. The Donald Bahnfleth Environmental Health Award Nominations were due to staff on November 1st.
 5. ASHRAE's IEQ2025 Conference, Rising to new challenges: Connecting IEQ to a sustainable future, was held September 24-26, 2025 in Montreal. There were 305 attendees. Feedback was extremely positive. Chairs for IEQ2028 Conference have already been identified. There was \$93,000 in sponsorships from 16 sponsors to support the event. 223 abstracts were submitted and 121 papers presented. It was a successful conference.

Secretary's Note: After this report, went to the OPS report.

E. Refrigeration/CPCC (REF-CPCC)

Don Brandt, the Chair of REF-CPCC, presented the report. The report is posted on Basecamp as *05E-REF-CPCC Rprt to TechC.F25_v1.docx*.

It was moved by Mr. Brandt that:

M2

Technology Council recommend that the REF-CPCC Manual of Procedures be revised as shown in Attachment 05E-A.

BACKGROUND: Changes to the REF-CPCC MOP were made to match the current ROB, allow for non-voting member contributions, and other editorial changes,

FISCAL IMPACT: none

TechC Vote: 14-0-1³

Secretary's Note: *The attachment is saved on Basecamp and not attached to the minutes.*

Mr. Brandt highlighted the following information items:

³ Devin Abellon (Chair) abstained

1. REF-CPCC considered a referral from Region XIII Thailand Chapter and passed a formal motion to change their name from “Refrigeration Technology Committee for Comfort, Process, Cold Chain (REF-CPCC)” to “Refrigeration Technology Committee (RTC)” starting in the 2026-2027 SY. Formal motions to update the name in the Rules of the Board, Manual of Procedures and Reference Manual will be forthcoming.
2. REF-CPCC is developing a proposal for a new position document on Sustainability and Resiliency of the Cold Chain.
3. Work continues to revise the Refrigerants and their Responsible Use PD. A draft to be considered for approval is expected before the Winter Meeting.
4. Danielle Wright agreed to replace Bruce Nelson as the REF-CPCC liaison to the CEBD.

Secretary's Note: A letter ballot will have to go out to Technology Council regarding REF-CPCC changing its name (info item 1). Then it will have to go to the Board.

F. Residential Building Committee (RBC)

Carol Marriott, the Chair of RBC, presented the report. The report is posted on Basecamp as *06F_RBC Report_to_TechC_2025-10-27_Final_v2.docx*.

Ms. Marriott highlighted the following information items:

1. RBC is continuing its preparation for their stakeholders' workshop set for December 7, 2025. The workshop will take place at the 2025 Building XVI Conference in Clearwater, Florida. The committee will host stakeholders across the residential building industry for a listening session on consumer choice and affordability, resilience, and indoor environmental quality.
2. RBC received one submission for the 2025-2026 Residential Buildings Service Award by their October 24th deadline. RBC will discuss possibly extending the deadline to attract more nominees.
3. The Communication Subcommittee is collaborating with three invited speakers and ASHRAE Journal Staff to schedule their podcast on the topic of residential Indoor Environmental Quality (IEQ).

G. Global Technical Interaction Committee (GTIC)

Steve Bushby, the Chair of GTIC, presented the report. The report is posted on Basecamp as *05G_GTIC Report to TechC Oct 2025.docx*.

Mr. Bushby highlighted the following information items:

1. ASHRAE staff are finalizing the video to promote GTIC objectives and activities at ASHRAE meetings and CRCs.
2. The committee has agreed on ASHRAE 154 “Ventilation for Commercial Cooking Operations” as a candidate for a pilot project for adaptation. GTIC is working with the Standards Committee, SSPC 154, and the cognizant TC to refine this process. The form of the final product has not yet been determined. Completion is not expected until next society year.
3. A mapping of ISO TCs and ASHRAE TCs has been initiated as a result of the EU mandate to update the ISO 52000 series. The initial version of TC mapping is to be finalized and presented at the TC Breakfast at the 2026 Winter Conference.
4. Resolution of public review comments for ASHRAE 223P is well underway. Based on discussions at the most recent ISO/TC 205 meeting, the plan is to fast track adoption of Standard 223 by ISO when ASHRAE publishes it. Ongoing maintenance of the standard will be done within ASHRAE. The existing Maintenance Agency process used to keep ASHRAE standards 135 and 135.1 synchronized with their ISO version will be extended to provide the same role for ASHRAE Standard 223.

6. SPECIAL COMMITTEE/LIAISON REPORTS

A. Government Affairs Committee (GAC) Liaison Report

Doug Fick, GAC Liaison, presented the report, which can be found at *GAC Report to TECH COUNCIL-Oct 2025_wAttachments.pdf*. Mr. Fick highlighted the following:

1. **MBOs for 2025-26:** The GAC established 10 MBOs for this year. Two are relevant to Tech Council:
 - a. Implement and Improve SMEs for GOEs Pilot Program (MBO #3): Many of you may be aware of this pilot program, which was launched last year (see attached flyer). Thanks to those of you who have applied for the program! The GAC acknowledges that implementation of this program has been slow-going, with most government outreach events (GOEs) not requiring a subject matter expert (SME). For that reason, the GAC has yet to use an SME for an in-person GOE. (The GAC used one SME for a virtual government meeting). GAC is working to make the program successful, and will let Tech Council know about any changes.
 - b. Consider ways to better inform ASHRAE’s technical committees of relevant public policy actions, and to solicit updates from TCs and PCs (MBO #4). GAC’s Policy and Programs Subcommittee is working on this MBO, in coordination with its Technology Council Representative. If you are interested in learning more about involvement by ASHRAE in policy matters, please sign up for the **ASHRAE Government Affairs Update here**: <https://www.ashrae.org/about/government-affairs/government->

affairs-updates

- c. Coordinate with Environmental Health Committee (EHC) on emerging IEQ topics, in alignment with SY25-26 Presidential Theme (MBO #8): The GAC met with the EHC on September 10, 2025 for its second quarterly coordination meeting; another meeting has been scheduled for December 12.
- d. 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 (MBO #5). Eleazar Rivera is the GAC liaison to the GTIC. GAC is also working with the CEBD to provide feedback from members in the Global South on the Flexible Building Codes Assessment Tool.

- 2. **ASHRAE Position Regarding Excluding Refrigerants from Proposed PFAS Restrictions:** The GAC appreciates the input received from the EHC and SSPC 15 concerning PFAS. We wanted to remind Tech Council of the follow-up memo that was sent on August 22, 2025, as a result of the conflicting responses we received. Thank you for your consideration.

B. Finance Liaison Report

Mr. Abellon, Finance Liaison, reminded everyone that any anticipated budget requests need to come forth before the Winter Conference in Las Vegas and be coordinated with staff liaisons. Additionally, the Finance Committee is working on developing a draft budget, this includes proposed dues increases.

C. Society Planning Liaison Report

Trent Hunt reported that everybody has turned in MBOS to online tracking platform. Additionally, he has accepted a position on the Emerging Technology Ad Hoc.

D. Society Rules Committee

Carrie Brown announced she is the Society Rules Committee Liaison for Technology Council.

D. DEI Subcommittee

There is a resource committee within the DEI subcommittee, whose goal is to look at DEI within the different councils and technical committees.

E. Tech Council Reference Manual

Larry Smith was not present, but Stephanie Reiniche reported that he has all the

feedback and is working to put everything together. The Reference Manual is close to being done and can possibly be letter balloted to Tech Council.

7. AD HOC REPORTS

A. Safety for Next Generations Refrigerants

Doug Reindl provided an update on the activities of the ad hoc. The ad hoc was formed in August and held its first meeting virtually at the end of August. During the first meeting the purpose of the ad hoc and the ground rules for getting started were established. In the second meeting, the ad hoc looked at Standards 15 and 15.2 and the gaps that exist in the application of A3 refrigerants in nonindustrial environments.

The ad hoc will meet on a two-week interval to map out what research is needed. The ad hoc is tasked with ensuring that appropriate research is being done to support safety requirements for use in Standards 15, and 15.2, as well as looping in Standard 243P. They will engage with the Canena working group for UL Standard 2-40 and Standard 2-89. The chair of the group is Rusty Tharp and the goal is to get pieces aligned so the ad hoc can move fairly quickly on standards changes, product safety standards, and drive them into codes as well.

Sateesh Kulankara asked if the research gaps would be handled through lowGWP.MTG. The MTG is not entirely certain. There is already research launched in parallel with this effort and being handled by CARB. The role is to make sure that research is strategic and answering questions for needed to support Standards 15 and 15.2.

Secretary's note: After this report, went to Section 3, approving the minutes and action items.

B. BEQ Plan Update

Trent Hunt is working to put together an ad hoc, and the plan is to be started by the Winter Meeting in Las Vegas. However, he does not plan to have anything complete until the Annual Meeting.

8. DOT REPORT

There were no updates to report.

9. NEW BUSINESS

There was no new business.

10. EXECUTIVE SESSION

There were no items to be handled in executive session.

11. NEXT MEETING

- Wednesday, February 4th, 9am PT in Las Vegas, Nevada.

12. ADJOURN

The meeting was adjourned at 11:45am EST.