



TECHNOLOGY COUNCIL
Pre-Orlando Webinar
Friday, January 17, 2020

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

*All reports noted in the minutes can be found on Basecamp at
[ASHRAE Technology Council/Docs and Files/Meetings/01_17_2020 TechC Pre-Winter Webinar](#)*

MOTIONS

Technology Council Fall Webinar - Friday, November 1, 2019

Motion	Description
M1	Technology Council approved the Council's August 15, 2019 and November 1, 2019 Webinar Minutes as presented.

ACTION ITEMS

Kansas City Annual Conference - Wednesday June 26, 2019

AI#	Responsibility	Status	Description
1	Knight/ Schwedler	Complete	Talk to Daryl Boyce about adding the outgoing EHC Chair, Elliott Horner, to the EHC roster as a Consultant for SY19-20, so EHC is in compliance with ROB 2.406.002.1.C.
2	DRSC	Complete	Look at the potential gaps in <i>Combustion of Solid Fuels and Indoor Air Quality in Primarily Developing Countries</i> , related to Larry Markel's concerns about lack of outreach to interested parties in developing countries.
3	DRSC	Open	Look at rules related to the Public Policy Issue Briefs to help the Washington staff respond quickly to requests for info without having to wait for a response from the Council.
4	Reiniche	Complete	Send out the list of lean assessment items approved by the Board for SY 19-20 to the Council.

ACTION ITEMS

Technology Council Fall Webinar - Friday, November 1, 2019

AI #	Responsibility	Status	Description
1	Standards	Complete	Provide the background material for Addendum aa to 62.2 for the council's review by January 10, 2020.
2	Knight, McQuade	Complete	Reminder to follow-up on 62.2 AI#1 and to include the information in the TechC Report to Board at their November meeting.
3	OPS	Ongoing	Look at proposed change to REF-MOP requesting to delete section E1.6 from the draft REF-CPCC MOP requiring REF-CPCC subcommittees to meet at the Annual and Winter meeting.

MINUTES

Technology Council Pre-Orlando Webinar
Friday, January 17, 2020

Voting Members Present

Dennis Knight, Chair
Bill McQuade, Vice Chair
Van Baxter
Rick Hermans
Sarah Maston
Jaap Hogeling
Trent Hunt
Steve Emmerich
Art Giesler
Billy Austin
Krishnan Gowri
Heather Platt Gullede
Kishor Khankari

Non-Voting Members Present

Wayne Stoppelmoor
Jay Kohler
David Yashar
Rajan Rajendran
Dru Crawley
Dustin Meredith
Chris Wilkins
Wade Conlan
Wei Sun

Absent

Mike Bilderbeck, VM
Paul Francisco
Yunho Hwang
Pat Graef

ASHRAE Staff

Steve Ferguson, Sr. MOS
Steve Hammerling, AMORTS
DD Latham, Admin
Lilas Pratt, MOSP
Stephane Reiniche, DOT
Mike Vaughn, Sr. MORTS

1. CALL TO ORDER

Chair, Dennis Knight, called the meeting to order at 9:05 a.m. Vice Chair, Bill McQuade, was asked to record any action items during the meeting. Tech Council Chair asked for any changes to the agenda. There being none, the agenda was accepted as presented.

Secretary's Note: Quorum was met with 12 voting members, plus Chair.

2. MINUTES/ACTION ITEMS

M1 It was moved by Krishnan Gowri and seconded by Trent Hunt that the Technology Council's August 15, 2019 and November 1, 2019 meeting minutes be approved as distributed.

TechC Vote: 12-0-0, CNV

Minutes and Action Items can be found on Basecamp at [ASHRAE Technology Council/Docs and Files/ Meetings/01_17_2020 TechC Pre-Winter Webinar.](#)

3. STANDING COMMITTEE REPORTS

A. Standards

Chair, Wayne Stoppelmoor reported on Standards committee activities. Two complaints were resolved due to no responses. More information will be presented at the Orlando meeting.

As a follow-up, Bill McQuade noted that the DOE put out a final process rule which establishes procedures DOE is following in revising energy efficient standards for equipment that is currently regulated by DOE. ACEE wasn't happy with this final rule and issued a press release that included a list of reasons and concerns. Of interest to ASHRAE was one claim in the provisions of process rule using industry consensus. ACCE mentions ASHRAE where they imply industry bias in existing standards. This press release was shared with Alice

Yates, Stephanie Reiniche and Jeff Littleton. ASHRAE is issuing a press release in support of the rule change based on testimony given by Mick Schwedler during the comment hearings.

B. Research Administration

RAC Chair, David Yashar updated the council on their committee activities.

The “Great Energy Predictor Shootout” rolled out at the Building Energy Modeling Conference held this past Fall had over 3600 entries from 95 countries. A seminar is scheduled for Sunday, February 2, 2020 in Orlando to announce the winners.

Mr. Yashar indicated that in Orlando, RAC will discuss the struggle to find a better way to handle “conflict of interest” when liaisons are heavily involved in a project being considered by RAC. As a result of these discussions modifications to the RAC MOP may be coming forward.

C. Technical Activities

Chair, Jay Kohler provided the council with a brief update on TAC activities.

The TC Reorganization’s Ad Hoc’s work is complete, and a summary of recommendations is being put together. These recommendations will be turned over to TAC for follow up.

Sarah Maston reported that at the Annual Meeting some TCs decided to start making changes, via a merger or change to membership or operation, and that those changes would take effect in Orlando. Going forward TAC will take on recommendations from the Reorganization Ad Hoc. Ms. Matson also mentioned that within TAC’s MOP, there is a requirement of an annual review of all functional groups (TCs, TRGs, MTGs) to determine if the groups are meeting their goals, deadlines and completing work. This has not been policed for a long time, if ever. It appears that once a TC is formed, it lives on for the rest of normal life span. TAC will be doing an annual review all TCs in Austin.

The joint TC breakfast was very well received and will be repeated in Orlando. In addition, rather than having to book up a lot of small conference rooms, TAC is trying out a super-sized member lounge with a “TC Collaboration Area” for small group meeting with tables and white boards. Smaller groups for TCs or individuals are encouraged to seek out and use the space. Feedback will be requested. There will also be a quiet area in that room as well.

A few TCs will be considering a merger, hopefully in Orlando. The Winter meeting is critical because of roster updates. There is a Saturday morning liaison meeting with other committees to go over several issues.

There was a presidential theme item put forward to TAC to assist virtual design construction and operation. This is in early phases of discussion.

D. Environmental Health

EHC Chair, Wade Conlan gave a brief verbal update on the committee’s activities.

In Orlando, EHC will be discussing a restructuring of EHC subcommittees, considering a new Position Document (PD), and potentially voting on a PD roster.

E. Refrigeration

REF Chair, Rajan Rajendran provided the council with a brief update on the committee's activities.

The chair recognized Mike Vaughn, thanking him for mentoring the committee. Mike recently established a Basecamp account, so the committee is very well organized.

The Committee is hopeful that changes to REF MOP will be approved so that they may begin recruiting members for the subcommittees.

F. Residential

The Chair and Vice Chair were not present for the meeting. Staff Liaison for RBC, Lilas Pratt provided a brief update on RBC activities.

RBC established two subcommittees this year, external activities and internal activities in lieu of the five subcommittees that existing previously. The External Activities Subcommittee has put together a list of external stakeholders that members are in the process of reaching out to using a script asking about gaps in the coverage of residential issues and how ASHRAE can help fill them. Roughly one-third of these interviews are complete with hopes to finish the remaining interviews by the Orlando meeting.

The Internal Activities Subcommittee has reinitiated the quarterly ASHRAE Journal column and the next one will be in March 2020. They have also begun discussions on how best to identify residential content in the ASHRAE Handbook. The subcommittee is looking at existing research with residential significance in order to identify gaps. They will be discussing this moving forward and look to make recommendations on how to address those gaps.

Van Baxter extended his gratitude to Lilas Pratt for getting the RBC reorganized and moving forward.

5. SUBCOMMITTEE REPORTS

A. Operations

Chair, Art Giesler reported on OPS activities. There were no major issues to report on. OPS will have a report update to present in Orlando.

B. Special Projects

Chair Van Baxter reported that MOP updates may be coming forward in Orlando.

C. DRSC

Chair Bill McQuade provided a Position Document spreadsheet update posted to Basecamp [ASHRAE Technology Council/Docs and Files/Meetings/01_17_2020 TechC Pre-Winter Webinar](#). This will be presented in Orlando as an information item.

The timeline for the Infections Disease PD will be discussed in Orlando. Steve Hammerling confirmed that an update will not be ready for Orlando, however DRSC will discuss reaffirmation of the existing PD in Orlando. Steve Hammerling anticipates that the PD will be complete in 12 months.

7. **NEW BUSINESS**

A. Discussion on how Tech Council and its committees can best support; the Strategic Plan, Organizational Structure and ASHRAE (Presidential) Themes while being aware of providing continuous lean assessment and cost effectiveness over the next 3 years.

Chair, Dennis Knight brought this discussion to the council. Looking for thoughts and ideas. The discussion brought forth some of the following comments:

- There is no need to form a special MTG on Virtual Design and Construction. The structure already exists to support this theme within the existing sections and Technical Committees. During the upcoming Winter meeting all TC/MTGs and other committees can be informed about this initiative and asked to propose a) program b) research project c) special publications to support the theme.
- It is important to keep in mind ASHRAE's mission statement that designs in the built environment should "serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration and their allied fields" and "healthy and sustainable built environment for all" when looking at this initiative
- "Virtual" should not be perceived as "not real". Virtual design and construction should help in optimizing the designs to meet the purpose of the built environment.
- Computational Fluid Dynamics (CFD) is the best example of virtual design. It helps to optimize thermal comfort and indoor environment while enhancing the effectiveness of ventilation. This is done virtually even when the design is at a very early stage.
- Technology Council should figure out the best method to address the subject matter, and not recreate something that already exists. One example of recreating something that already exists was the creation of the MTG on health and wellness and the concern that EHC wasn't asked to take the lead and were kept out of the loop. In the past, this may have been handled as a presidential ad hoc. It was suggested that the President have a working session with the relevant Council related to the area of concern to identify what would like to do and to figure out the best way to do that rather than making something "special" that would spread resources thinner or increase the Society budget.

B. Grassroots Ways/Venue for our technical community to bring issues other than their technical work products forward like how members go through chapter-region-MC-Board, etc.

The following were comments brought up during the discussion:

- The ASHRAE Distinguished Lecture program is the best example of this.
- A special PAOE structure should be created for the purpose of promoting technical activities at the Chapter level.
- Technology Council should reach out to CTTC and the Research Promotion committees to brainstorm ideas and develop joint initiatives for this purpose.
- The goal is to get technical people and committees more involved in their local chapters.

There being no further business to come before the Council, the meeting was adjourned.