

TECHNOLOGY COUNCIL

Winter Virtual Meeting Tuesday, February 2, 2021

MOTIONS

Technology Council Winter Virtual Meeting Tuesday, February 2, 2021

Motion	Description			
M1	The minutes of Technology Council's November 13, 2020 Fall virtual meeting were approved as distributed.			
CM2	Motions 1 through 5 of the DRSC Report to Tech Council were approved as a consent agenda.			
М3	Standards Committee recommends that Technology Council recommends to the Board ExCom the formation of new standing committee named International Standards Interaction Committee reporting to Technology Council as shown in the proposed new Rule of the Board.			
M4	Standards Committee recommends that the proposed changes to the TPS for Standard 514P, Control Measures for Building Water Systems to Reduce Illness and Injury, be approved as shown in Attachment A of the Standards Committee Report			

ACTION ITEMS

Technology Council Winter Virtual Meeting Tuesday, February 2, 2021

AI#	Responsibility	Status	Description
1	DRSC	Ongoing	DRSC to do a short training on how PDs travel through the ASHRAE process and provide to cognizant committees.
2	Staff	Ongoing	Staff to request training for DRSC and any member of Tech Council on the PPIB Process from GAC.
3	Staff	Complete	Staff to share GAC motion 1 with the Decarbonization Task Force and motions 2 and 3 with EHC for consideration.

MINUTES

Technology Council Winter Virtual Meeting Tuesday, February 2, 2021

Voting Members Present

Bill McQuade, Chair Tim McGinn, Vice Chair Tyler Glesne Rick Hermans Jaap Hogeling Adrienne Thomle Steve Emmerich David Yashar Billy Austin Krishnan Gowri Wade Conlan

Heather Platt Gulledge

Kishor Khankari Dustin Meredith

Wei Sun

Non-Voting Members Present

Chris Wilkins
Pat Graef
Dru Crawley
Rick Heiden
Larry Smith
Michael Pouchak
Stephen Gill
Richard Karg

Absent

Luke Leung Yunho Hwang

Guests

Steven Bushby Drake Erbe Tom Lawrence Kashif Nawaz

ASHRAE Staff

Connor Barbaree, Sr. MOS Steve Hammerling, AMORTS DD Latham, AA Susan LeBlanc, SA Jeff Littleton, EVP Jeremy Pollack, MFGA Stephane Reiniche, DOT Ryan Shanley, MOIS Mike Vaughn, Sr. MORTS

1. CALL TO ORDER

Chair, Bill McQuade, called the meeting to order at 9:00 a.m. Vice Chair, Tim McGinn, was asked to record action items.

Secretary's Note: Quorum was met with 13 voting members, plus Chair. All reports noted in the minutes can be found on Basecamp at <u>ASHRAE Technology Council/Docs and Files/Meetings</u>/2021 02 02 TechC Winter Meeting

2. MINUTES/ACTION ITEMS

It was moved by Heather Platt Gulledge and seconded by Krishnan Gowri that:

M1 The minutes of Technology Council's November 13, 2020 Fall virtual meeting be approved as distributed.

TechC Vote: 13-0-0, CNV

Technology Council Action Items were reviewed and updated. The updated Action Items can be found on Basecamp at <u>ASHRAE/ Docs & Files/Meetings/2021_02_02 TechC Winter Meeting/03B ACTION</u>
ITEMS as of 11 2020.

3. SUBCOMMITTEE REPORTS

A. Operations

Chair, Steve Emmerich, reported that OPS had canceled their winter meeting in the name of valuing staff and volunteers time as there were no items requiring action and/or substantive discussions. Standing Chairs had provided MBO updates in their reports which can be found on Basecamp at <u>ASHRAE/Docs & Files/ Meetings/2021_02_02_TechC Winter Meeting/04A TechCouncil_Combined_MBOs_EV_1_2021</u>

B. Special Projects

Chair, David Yashar, presented the Special Projects Committee report. There were no motions presented. The full report can be found on Basecamp at <u>ASHRAE/Docs & Files/Meetings/2021 02 02 TechC Winter Meeting/</u>
04B_SpcProj_Report_to_TechC_2021_01_30Final

C. Document Review

Chair, Tim McGinn, presented the Document Review Subcommittee's report which can be found on Basecamp at <u>ASHRAE/Docs & Files/Meetings/2021_02_02 TechC Winter Meeting/ 04C - DRSC Report to TechC.21.W.</u>

- **CM2** It was moved by Tim McGinn that Motions 1 through 5 of the DRSC Report to Tech Council be approved as a consent agenda as shown below.
 - a. DRSC recommends to Tech Council to appoint Walter Vernon as chair of the Infectious Aerosols PD committee.
 - b. DRSC recommends to Tech Council to set aside 4.2.b in Attachment B, ASHRAE Position Documents, to the Tech Council MOP in considering the size of the Infectious Aerosols position document Committee.
 - c. DRSC recommends to Tech Council that the following members be appointed to the Infectious Aerosols position document committee:
 - Bill Bahnfleth, Pennsylvania State University
 - Jamechia Hoyle, National Center for Biomedical Research & Training
 - Paul Jensen, retired
 - Kishor Khankari, AnSight
 - Yuguo Li, Hong Long University
 - Linsey Marr, Virginia Tech
 - Jovan Pantelic, UC Berkeley
 - Nathalie Robbel, WHO
 - Chandra Sekhar, National University of Singapore
 - Dave Sine, Veterans Administration
 - Wayne Thomann, Duke University
 - DRSC recommends to Tech Council to appoint Pawel Wargocki as chair of the Filtration and Air Cleaning PD committee.
 - e. DRSC recommends that Tech Council reaffirm the Filtration and Air Cleaning Position Document (PD).

TechC Vote: 13-0-0, CNV

Al#1 – DRSC to do a short training on how PDs travel through the ASHRAE process and provide to cognizant committees.

Secretary's Note: Wade Conlan offered to assist and Pat Graef noted that she has slides available to use.

Al#2 – Staff to request training for DRSC and any member of Tech Council on the PPIB Process from GAC.

Secretary's Note: At 9:30 am, Chris Wilkins and Jeff Littleton joined the meeting.

4. STANDING COMMITTEE REPORTS

A. Standards

Chair, Dru Crawley, presented the Standards report which can be found on Basecamp at ASHRAE/Docs & Files/Meetings/05A StdC Report to TC Jan-21021

It was moved by Jaap Hogeling and seconded by Heather Platt Gulledge that:

- M3 Standards Committee recommends that Technology Council recommends to the Board ExCom the formation of new standing committee named International Standards Interaction Committee reporting to Technology Council as shown in the proposed new Rule of the Board. Tech Council members were asked for any comments and discussions are summarized as follows:
 - 1. In favor of sending to ExCom but not sure they would be enthused right away. There is fiscal impact\ here.
 - 2. Good idea to have standing committee as we need help with adapting standards internationally.
 - 3. Concerns about the Fiscal impact and would like to see figures in the budget before voting.
 - 4. Why would we expect this committee to be successful when the current process is not? Why can't more responsibility be given to ILS/ISAS?
 - 5. Why are we looking at moving this outside of standards and not as a subcommittee of Standards? Are we proposing a NA group or Int'l group?
 - 6. See need for a shift/adjustment, but don't see the need for it to be a separate committee.
 - 7. Cooperation is needed with a global approach. How would and who would be processing and responsible for this?
 - 8. TC resources are needed. Encouraging outside international members and getting them involved with the development process. It has to go through the ASHRAE process now with lots of coordination and visibility needed to move the process forward. The process is currently not working so we need people in the international arena. We need engagement.
 - 9. There are things going on in the rest of the world that are relevant and important to take a broader view, we need to see these requirements. You have to be in this environment to see ASHRAEs role in this.
 - 10. Globally they are not so interested in adapting our Standards but more into developing their own. ISO is trying to do this too with limited success. If we take out some of the Standards scope and responsibilities, do we reduce the Standards committee? Existing load from Standards is heavy and membership needs to stay as is.

TechC Vote: 11-0-21, CNV

¹ Tim McGinn - Abstained because he is on ExCom.

It was moved by Jaap Hogeling and seconded by Steve Emmerich that:

M4 Standards Committee recommends that the proposed changes to the TPS for Standard 514P, Control Measures for Building Water Systems to Reduce Illness and Injury, be approved as shown in Attachment A of the Standards Committee Report.

TechC Vote: 12-0-12, CNV

Secretary's note: During discussion of the motion a question was asked on how it relates to ASHRAE Standard 188. Response provided was that members of 188 are on 514 and 514 covers all the rest of the building water systems and excludes legionella. SPC 514 intends to merge 188 and 514 into one standard in the future. This is also explained in the background of the motion.

After the discussion was completed on the Standard 514 TPS motion, some concerns and questions were brought up regarding Addendum *y* to Standard 62.2 that would be on the Board of Directors' agenda for publication consideration (*note*: Tech Council does not approve it). The following concerns were expressed and members of the Board were asked to consider these when 62.2 *y* is brought forward:

• The process failed as they did not address the comments on missing definitions. Could we consider providing more on the analysis sheets to guide the Board that would help them understand the process issues?

Secretary's Note: At this time the Chair called for a recess and indicated the meeting would reconvene at 10:40 am. Krishnan Gowri left the meeting at 10:55 am. This brought the voting member count down to 11 plus the Chair. Total of 12 voting members.

B. Research Administration

Chair, Chris Wilkins, presented the RAC Report which is posted on Basecamp at *ASHRAE/Docs & Files/Meetings/2021_02_02 TechC Winter Meeting/05B_RAC-Info. Items.W21.Draft.pdf.* There were no motions presented. Chris highlighted RAC's current position on Projects and Work Statements especially in light of the budgets and the pandemic.

C. Technical Activities

Chair, Dustin Meredith, reported on TAC activities. No motions were presented. The full TAC report can be found on Basecamp at ASHRAE/Docs & Files/Meetings/2021_02_02 TechC Winter Meeting/05C - TAC Rprt to TechC 21W.docx

TAC developed a workbook to perform both a subjective and objective evaluation of the functional groups under TAC. The aim is to evaluate the effectiveness and measure the health of the various FGs. This tool was introduced and rolled out for the first time at the ASHRAE Winter Meeting.

D. Environmental Health

Chair, Wei Sun, presented the EHC Report which is posted to Basecamp at *ASHRAE/Docs & Files/Meetings/2021_02_02 TechC Winter Meeting/05D - EHC Rprt to TechC.21.W.docx.*There were no motions presented.

Mr. Sun highlighted that EHC hosted a seminar on January 8 titled "EHC Seminar – Epidemic Task Force Update" with speakers from the Epidemic Task Force. The seminar was well attended. Bill McQuade applauded EHC for their seminar and noted that the meeting was informative.

² Heather Platt Gulledge abstained as she is on SSPC 188

E. Refrigeration CPCC

REF-CPCC report was presented by Stephen Gill and it is posted on Basecamp at ASHRAE/Docs & Files/Meetings/2021_02_02 TechC Winter Meeting/05E-REF-CPCC Rprt to TechC.W21_Release1.docx

No motions were presented. Mr. Gill reported that REF-CPCC has taken on the charge to help develop a news article on the challenges that exist in distributing the Covid-19 vaccines around the world via a global cold chain distribution system. The Article working group had kick-off meeting on Friday January 29th, 2021

F. Residential

Chair, Pat Graef, presented the RBC Report and it is posted on Basecamp at ASHRAE/Docs & Files/ Meetings/2021_02_02 TechC Winter Meeting / 05F_RBC_Report_to_TechC_2021-02-02_R1.docx. There were no motions presented.

Ms. Graef highlighted the following:

- 1. A proposal for a guideline on the Design and Construction Practices for Controlling Humidity in Residential Buildings was approved and will be submitted to Standards Committee for consideration.
- 2. A process to collaborate with TAC/TCs has been developed.
- 3. The Communications Subcommittee is working on several potential topics for residential issue briefs. They are currently working on one for wildfire smoke.

5. SPECIAL COMMITTEE/LIAISON REPORTS

A. GAC Liaison Report

Steve Emmerich praised the efforts of the GAC committee and reviewed some of their ongoing work. The new US administration goal is by 2030 for all new buildings to be net zero and by 2035, cutting in half the carbon footprint of current building stock. GAC upped their goal to 78 outreach events with 21 events having already occurred and 19 more have been scheduled. GAC sent three motions to Tech Council, motion 1 will be referred to the Decarbonization Task Force and motions 2 and 3 will be referred to EHC. No action was needed by Tech Council.

- **1:** Motion that the GAC recommends to Technology Council to develop a Position Document on Decarbonization.
- **2:** Motion that the GAC recommends to Technology Council that the ASHRAE Position Document on Environmental Tobacco Smoke shall be amended and expanded with regards to cannabis smoke and electronic nicotine delivery.
- **3:** Motion that the GAC recommends to Technology Council that the ASHRAE Position Document on Indoor Air Quality shall be amended to make further reference to natural ventilation systems in emerging economies, and ASHRAE shall provide further guidance and design guides specific to natural and traditional ventilation systems.

Al#3 – Staff to share GAC motion 1 with the Decarbonization Task Force and motions 2 and 3 with EHC for consideration.

B. Finance Liaison Report

Bill McQuade's focus is on the current financial situation, moving away from the expo and towards a virtual meeting. A lot of efforts on meetings related to budgeting and adjustments. The Treasurer brought into the finance committee ad hoc a number of folks looking at developing KPI and efforts on how ASHRAE values projects and programs. Some things lend to ROI and others are not so straight forward but provide value to members but not in a traditional financial calculation. Members of the ad hoc include David Underwood, Dennis Knight, Tim McGinn, and others.

C. SRC Liaison Report

Mike Bilderbeck reported via telephone with staff after the meeting had adjourned that SRC would be meeting later that afternoon and would have an update report at the next meeting.

D. Society Planning Liaison Report

Tom Lawrence is part of the Society Planning Committee monitoring subcommittee and is tracking the initiatives of the society Strategic Plan (SP) for Technology Council and its committees. He reported that the subcommittee is using the MBO spreadsheet to monitor various MBOs that are in alignment with the SP. They are looking at and are also involved in streamlining efforts due to some overlap. The society ad hoc will pass those ideas on to planning as they are completed.

6. FOR THE GOOD AND WELL BEING

Bill McQuade ended the meeting as he did the Fall Meeting by asking all in attendance to share a short update on "what is happening in your life". Each member and staff gave a fun update.

There being no further business to come before the Technology Council, the meeting was adjourned at 12:15 PM.