



TECHNOLOGY COUNCIL MEETING
Pre-Winter Conference Webinar
Monday, January 9, 2017

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

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PRINCIPAL MOTIONS
TECHNOLOGY COUNCIL MEETING
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Motion #	Description
1	Minutes of the June 13, 2016 Pre-Summer Conference TechC Webinar be approved as distributed.
2	Minutes of the August 13, 2016 TechC Weekend Webinar be approved as distributed.
3	Standards Committee shall give guidance consistent with the ANSI process to ASHRAE Standards Project Committees (SPCs and SSPCs) that it is preferable to consider standardized climate data (historic or projections) when writing ASHRAE design Standards. MOTIONED FAILED

ACTION ITEMS
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AI#	Responsibility	Status	Summary
1	Graef	Complete	<i>Send letter out to PC and TC members requesting nominations for qualified and willing people to serve on committees next year.</i>
2	Hammerling	Complete	<i>Send out potential Reaffirmed Position Documents to the Tech Council prior to Las Vegas.</i>
3	Ramspeck		<i>Send the response from Standards Committee on Initiative 3C to John Harrod and Tim Wentz.</i>
4	TC 4.2 and TC 2.8	Ongoing	<i>Work with cognizant TCs to develop a proposed Research Project to determine climate projections.</i>

MINUTES
TECHNOLOGY COUNCIL MEETING
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Voting Members Present

Pat Graef, Chair
Dan Int-Hout
Bill Walter
Ken Fulk
Charlie Culp
John Harrod
Jaap Hogeling
Byron Jones
Tom Lawrence
Mark Modera
Doug Reindl

Non-Voting Members Present

Steve Emmerich
Rita Harrold
Art Giesler
Wane Baker
Karim Amrane
Max Sherman
Lan Chi Nguyen Weekes

Absent

Ginger Scoggins, VM
Mike Bilderbeck , NVM
Kelley Cramm, NVM
Kishor Khankari, NVM
Chris Mathis, NVM
Nicholas Shockley, NVM

Guests

Steve Ferguson
Steve Hammerling, AMORTS
Stephanie Reiniche, MOS
Mike Vaughn, MORTS

ASHRAE Staff

DD Latham, Admin. Asst.
Claire Ramspeck, DOT

1. CALL TO ORDER

Chair Graef called the meeting to order at 9:05 a.m. and asked for any changes to the agenda. There being none, the agenda was accepted as presented.

Secretary's Note: Quorum was met with 11 voting members, including chair.

2. MINUTES

It was moved by John Harrod and seconded by Tom Lawrence that the:

M1 Minutes of the June 13, 2016 Pre-Summer Conference TechC Webinar be approved as distributed.

MOTION 1 PASSED. Vote: 10-0-0-1, CNV (Yes-No-Abstained-Absent)

It was moved by Bill Walter and seconded by John Harrod that the:

M2 Minutes of the August 13, 2016 TechC Weekend Webinar be approved as distributed.

MOTION 1 PASSED. Vote: 10-0-0-1, CNV (Yes-No-Abstained-Absent)

3. STANDING COMMITTEE REPORTS

A. Standards

Chair Harrold discussed the status of the final draft of the PC Chair's Guide to PASA. Standards was voting on the final draft via letter ballot through January 12th. Presentation of the new PASA Guide with new approved procedures will be given at the PC Chair's meeting in Las Vegas along with the guide, the MOP and internal layman's version of the technical PASA.

B. Technical Activities

Mike Vaughn discussed upcoming scheduled meetings with 90.1 and TCs in Las Vegas, and MTGs being proposed from ExCom that are coming forward.

C. Environmental Health

Lan Chee discussed the committee's intent to tighten up their MBOs and would report on them while in Las Vegas.

D. Research Administration

Art Giesler reported on a discussion of ROB modification and RAC's actions on contracts without sending them all the way to the Board.

AI #1 – Pat Graef to send letter out to PC and TC members requesting nominations for qualified and willing people to serve on committees next year.

4. SUBCOMMITTEE REPORTS

Operations, Special Projects and Document Review Subcommittee will bring items for review at the Las Vegas meeting.

AI #2 – Steve Hammerling to send out potential Reaffirmed Position Documents to the Tech Council prior to Las Vegas.

5. SPECIAL COMMITTEE/LIAISON ANNOUNCEMENTS

A. Mr. Harrod discussed Strategic Plan Initiative 3C: The world of prescriptive and performance-based standards is changing. ASHRAE will work with other standards development organizations (SDOs) to map a course through this changing environment that will deliver the most positive impact to the market place. This has already been addressed by Standards Committee.

AI #3 – Claire Ramspeck to send the response from Standards Committee on Initiative 3C to John Harrod and Tim Wentz.

B. Initiative 1B: Only through close communication with its key constituencies can ASHRAE deliver relevant and timely products and services. ASHRAE will research the true impact of its standards and technology and share the results with the world. ASHRAE will actively reach out to its key constituencies to achieve open, two-way dialogue. The dialogue will be used to validate programs and identify new opportunities. This initiative was assigned to RAC. This was being chaired by Dan Pettway. They are looking at the impact of Standards on national energy savings and performance by visits to consulting engineers.

C. Ken Fulk has been assigned the Technology Council liaison on GGAC.

6. CLIMATE CONTROL DISCUSSION

A. Government Accountability Office (GAO) report on climate risk and codes, standards and other criteria.

It was moved and seconded:

- M3** That Standards Committee shall give guidance consistent with the ANSI process to ASHRAE Standards Project Committees (SPCs and SSPCs) that it is preferable to consider standardized climate data (historic or projections) when writing ASHRAE design Standards.

Background: The Government Accountability Office (GAO) of the US recently issued a report (<http://www.gao.gov/products/GAO-17-3>) urging federal agencies to work with Standards Developing Organizations in considering climate projections (forward-looking climate information) in design standards and certification programs. To date, all ASHRAE Standards rely on/reference ASHRAE Standard 169-2013 (Climate Data for Building Design Standards) for Climate Data. ASHRAE Standard 169 is the standardization of the information in RP-1453. Currently the standard only incorporates historical information, and there is no standardized information on climate projections. ASHRAE PCs should not be opposed to considering climate projections, and this motion would allow for it. However, this motion recommends that preference should be made to use standardized climate data (whether it be historic, projected, or both). When it comes to future projections, there are likely thousands of opinions. Technology Council does not support the adoption of just one projection. However, if there is climate projection information which is standardized and has consensus within the industry, then it would be irresponsible to not consider it. As a result of the GAO report, this would give ASHRAE guidance on how to work with the US government if they expect us to consider climate projections. ASHRAE should not consider information that is developed in a black box by unknown individuals. Information relied upon by ASHRAE Standards should be readily available and represent a consensus (though not necessarily unanimity) in the industry).

Tech Vote: 0-9-3, CNV

Motion did not pass. AI given to Pat Graef, Chair to bring back to BOD/EXCOM for further explanation of what is needed.

AI # 4: Work with cognizant TCs to develop a proposed Research Project to determine climate projections.

7. ADJOURN – 2:09