

A409 (4) MINUTES
ASHRAE TECHNICAL COMMITTEE 6.3
CENTRAL FORCED AIR HEATING AND COOLING SYSTEMS
 TC 6.3 Forced Air Heating and Cooling, Tuesday January 15, 2019 1:00-3:30p Bldg. A,
 Georgia World Congress Center (GWCC), A409 (4), Atlanta, GA

1. Call to Order and Introductions – Review Scope and Purpose of TC 6.3

Chair Kevin Mercer opened the meeting with introductions, and a review of the ASHRAE code of ethics.

Chairman Mercer also read out the scope for the TC as required by ASHRAE. Following is the scope of the TC:

TC 6.3 is concerned with those central forced air systems used for residential and light commercial building comfort heating and cooling. Responsibility covers the design and performance of the entire system, including equipment, controls, ducts and the interactions of the system with building heating and cooling loads.

(See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics.>)

2. Review Agenda, Voting Membership (Roster update) and establish quorum

Chairman Mercer made a roll call and announced that a quorum was present.

6/26/2018 Roster

Name	End Year	Position	Attendance
Voting			
Kevin Mercer	6/30/2019	Chair	Present
Elbert Phillips	6/30/2019	Vice Chair	Present
Anuj Mistry	6/30/2022	Secretary	Present
Roy Crawford	6/30/2020	Research Subcommittee Chair	Present
Jon Winkler	6/30/2022	Member	Present
(open)	-	Member	
Diane Jakobs	6/30/2022	Handbook Subcommittee Chair	Present
Eric Berg	6/30/2022	Member	Present
Wayne Kraft	6/30/2020	Member	Present
Jeffrey Munk	6/30/2020	Member	Present
George Yaeger	6/30/2020	Webmaster	Absent
Non-Voting Members			
Scott Creamer		Program Subcommittee Chair	Present
Mark Olsen		Standards Subcommittee Chair	Present
Roy Crawford		MTG.LowGWP (Jim wolf)	Present
(open)		MTG.Op & Main. Act.	
Paul Haydock		Corresponding Member	Present
Ted Wayne		Guest	Present
Shawn Ohara		Guest	Present

Eric Dickson		Guest	Present
Deepak Bhojwani		Guest	Present
Will Kowalde		Guest	Present
Craig Grider		Guest	Present
Caroline Henley		Guest	Present
Scott Young		Guest	Present
Dawen Lu		Guest	Present
Detlef Westphalen		Guest	Present
Jon Winkler		Guest	Present
Larry Brand		Guest	Present
Dawen Lu		Section 6 Head	Present

3. Approval of previous minutes

A motion was made, duly seconded, the members unanimously approved the Houston 2018 meeting minutes with 2 Abstentions from members that were not present for that meeting.

4. Announcements

Chairman Mercer provided updates from the TC Chairs Breakfast as noted below:

- Reorganization:
Along with Chairman Mercer, Mr. Dawen Lu from the ASHRAE Reorganization provided an update on ASHRAE's intent to reorganize its Committees.
 - ASHRAE has identified few issues in the current structure. There are too many silos, it takes too long to change anything in TC, TC's are not maintaining industry leadership, and not sharing best practices.
 - Currently, there are 110 TC meetings happening every ASHRAE conference, including functional groups such as MTG, TG, TRG, etc.
 - ASHRAE wants to reduce the number of TC's to 34 TWG (Technical Working Groups)
 - E.g. geothermal TC is big and it can be combined with another TC that has synergy for example TC 8.11
 - Chairman Mercer requested feedback from TC 6.3 on the reorganization effort.

ACTION: Members to provide comments by end of February 2019.

- ASHRAE wants to implement the reorganization plans in Orlando 2019.
- Chairman Mercer announced that CEC is looking for reviewers for next 2019 Summer meeting.

ACTION: Please contact Tiffany Cox if interested in becoming a reviewer for CEC.

- Chairman Mercer announced that the Publications Committee is looking for ideas and can help with anyone wanting to publish via books, papers, magazines, online, software, apps, ASHRAE Journal, etc.

- Chairman Mercer announced that 2020 is the 125th anniversary of ASHRAE. ASHRAE is looking for anyone that can offer historical accounts and technical advances after 1920.

ACTION: Members with information or material to contribute should contact Emily Sigman.

- Chairman Mercer announced that from now on, Technical Bulletins can be published on TC websites, but must be peer reviewed and approved by TAC for publication.
- Chairman Mercer announced that there is a new MTG.HWB – Health and Wellness that coordinates activities for enhanced health and wellness in an occupied space. It provides internal and external partnership especially for organizations developing green buildings. It also provides a platform to share ASHRAE’s knowledge and expertise in the building field. Chairman requested that if we want to have an MTG liaison then we need to assign someone to attend those meetings. However, unfortunately, the MTG.HWB meeting happens at the same time as TC 6.3.
- Chairman Mercer announced that a new TC 2.10 has been established cover rebuilding after a natural disaster. They had the first meeting on the same day as the TC 6.3 meeting.
- Chairman Mercer announced that there is new conversion to a new platform for TC websites to make things much easier.
- Chairman Mercer announced that the professional development committee is seeking ideas for new ASHRAE Learning Institute courses.
- Chairman Mercer announced that YEA is seeking liaisons form TC 6.3 that can report back activities to the TC. Chairman Mercer requested the younger members to take this opportunity to assume responsible positions in ASHRAE, if desired.

5. Subcommittee Reports

A. Handbook (Diane Jakobs)

Subcommittee Chairperson Jakobs reported that she did not receive any comments on the Furnace chapter 33, and Small Forced Air Distribution Systems chapter 10. However, she found that there is scope for improvement to the chapter. For e.g. the duct system figure in the handbook is old and Chairperson Jakobs intends to replace it with a new duct system. Chairman Mercer requested for volunteers to review the chapter and provide further input. The following people volunteered:

- Marc Neufcourt,
- Anuj Mistry
- Kevin Mercer
- Will Kowalde
- Roy Crawford
- Wayne Kraft

A member reported that ACCA is working on a Low Load Homes (LLH) Manual to because the current design methods for low load homes is not accurate enough.

- Bert recommended that maybe there can be a statement in the handbook related to the manual.
- Roy mentioned that there is future scope for research.

B. Program (Scott Creamer)

- Discuss program idea around thermostats and potential collaboration with TC 1.4 Subcommittee Chairman Creamer reviewed the winter conference tracks and requested input from the members on potential ideas for seminars or forums.
- Additionally, Mr. Brand requested the committee members to consider a seminar on low capacity equipment and loads. The committee was interested in a seminar and thus Chairman Creamer will work with Mr. Brand to create a seminar proposal. One of the main questions that will be answered is whether current ductwork works for low load capacity and homes.

C. Research (Roy Crawford)

- Subcommittee Chairman Crawford reported that there is may be a future research need on Low Load Homes. We are currently trying to collect as much information on LLH and learn from it. Initially, TC 6.3 may want to consider conducting a seminar and/or forum if needed. And the results of the seminar/forum may be used to justify the need for research.
- Chairman invited Mr. Haydock and Mr. Brand to discuss the RTAR on thermostat cycling and smart thermostats. After receiving input from members they decided to hold a seminar instead of submitting an RTAR. During the seminar, the panel can discuss ASHRAE 103 standard and how cycling was determined. It was suggested that:
 - Have 4 people speaking on the RTAR.
 - Larry can speak about SP 43. Related to thermostat.
 - A thermostat manufacturer that may be developing a cycling thermostat can be one of the speaker.
 - The panel should review the whether we even need a cycling test.
 - Since cycling issue affects cooling and heating equipment the panel could talk about broader topics than just ASHRAE 103 cycling test.

Feedback from the seminar can then be used to write an RTAR. Members discussed and suggested the following speakers for a seminar on this topic:

- Paul Haydock
- Larry
- Someone like Jim Braun [Purdue] (has experience conducting load based testing that used controls to maintain ambient conditions and units for load based testing. However, the seminar topic should not cover results of the load based testing itself since that topic is covered under different organizations and standards.)
- Someone like Mike Blasnik, representing the thermostat manufacturer.

D. Standards (Mark Olsen): 62.2 (Roy Crawford), 193 (M. Olsen), 152 (K. Mercer)

- Standard 152
Subcommittee Chairman Olsen reported that ASHRAE 152 - Duct efficiency of distribution system just needs to change to the ASHRAE mandatory language. However, there is a potential conflict with ASHRAE 221, which could mean that the more changes may need to be made to ASRHAE 152. Potential issue includes that some requirements from ASHRAE 221 might now have to be included in ASHRAE 152. Although the scope of both standards are different but they may have overlapping requirements. More investigation is needed.

ACTION: CHAIRMAN MERCER TO INVESTIGATE WHERE WE ARE AT WITH ASHRAE 152 AND REPORT BACK TO THE COMMITTEE.

- Standard 193
Chairman Olsen and Mercer reported that the SPC has not been formed because of lack of membership. Chairman Mercer requested that interested people join the SPC and help complete the periodic review and update to the standard.
- ASHRAE 62.2 Liaison
Mr. Crawford reported that the SSPC was discussing sizing restrictions for unvented heaters and published the standard with unresolved comments from the unvented heater manufacturers. As a result, there was appeal process and it was found that ASHRAE 62.2 did not follow the correct process.

Additionally, Ms. Jakobs provided an update on CSA Standard P.8 for commercial furnace testing. She reported that they are issues with requirements for CO2 sensors that operate the damper regardless of the outdoor temperature because of which there are liability concerns for commercial furnaces. Ms. Jakobs requested that the committee members review the standard and provide comments to the CSA P.8.

E. Web Site (George Yaeger)

Chairman Mercer reported that Mr. Yaeger emailed and update to him saying that the roster for TC 6.3 will be updated shortly.

F. Low GWP – MTG report (Roy Crawford)

- Mr. Crawford reported that the Low GWP-MTG is a very busy committee and maintains 3 subcommittees. Mr. Crawford sits on the Research Subcommittee and it discussed ongoing research studies on study of field joints for A2Ls, post ignition risk assessment, literature review of combustion by-products of A2Ls, and another study on handling of A2L across the world and especially in Australia since it handles the most number of A2L units amongst any country.

G. Operations and Maintenance Activities – MTG report (Position Open)

A member reported that this MTG is still inactive and no information was available on it.

6. Old Business

7. New Business –

- Discuss any concerns or comments about the new released ACCA Standard, Manual S-201X, Residential Equipment Selection (revision of ANSI/ACCA 3 Manual S-2014)

8. Adjourn

Voted to adjourn.