

TC Cover Sheet
TC 6.3, Central Heating and Cooling

January 22, 2008

Attendance (ending year of membership)

Members Present

Paul Francisco (08)
Roger Hedrick (10)
Keith Temple (09)
Michael Lubliner (09)
Mark Modera (08)
Charles Gaston (10)
Jonathan Douglas (11)
Mark Olsen (11)
Iain Walker (08)

Members Absent

Evelyn Baskin (08)
David Delaquila (11)
Dianne Griffiths (10)
Harvey Sachs (10)

Distribution

All entries shown on committee roster

Corresponding Members Present

John Talbott

Guests

Eric Werling
Sunil Nanjundaram
Byron Horak
Bert Phillips
Dale Grove

ASHRAE TC6.3
Central Forced Air Heating and Cooling

Minutes of Meeting
January 22, 2008
New York, NY

Call to Order

The meeting began at 1:00 p.m. in the Madison III room of the Sheraton New York. A quorum was achieved at 1:29. Copies of the agenda and the Long Beach minutes were distributed and introductions were made. A motion to approve the agenda (Lubliner/Hedrick) was approved 8-0-0.

Minutes of Last Meeting

On page 3 of the Long Beach minutes, ARI was corrected to ARTI, and it was clarified that they contributed \$50,000 towards a larger project cost. The revised minutes were moved for approval (Hedrick/Lubliner), and the motion was passed 8-0-0.

Announcements

Chair Paul Francisco discussed various items from the TC Chair's breakfast. The comment and revision process for handbook chapters will now be centralized on the ASHRAE website at "Handbook Central."

Submission of session abstracts will be centralized at "Abstract Central."

There was discussion of the TC MOP. The vice-chair will be named and will be responsible for setting MBOs for the following year when he becomes chair.

The TC is up to date on required submissions to ASHRAE.

John Andrews was awarded the "Service to ASHRAE Research Award" at the TC's Research Subcommittee meeting on Monday. He had been nominated by the TC last summer.

Chairman Paul Francisco will be rolling off as chair following the Salt Lake City meeting. Bill Rittelman is the vice-chair, but has declined becoming chair. Mark Olson will instead become chair and Keith Temple will be vice-chair. Keith asked for a volunteer to take over as program chair.

Subcommittee Reports

Handbook

Chuck Gaston is the new Handbook Subcommittee chair. The revisions to Chapter 9 that were discussed in Long Beach were not completed in time and the chapter will be unchanged in the next edition.

Programs

Keith Temple circulated the program plan. The theme for Salt Lake City, "Benchmarking" has been expanded.

There were two sessions at Long Beach that were held after the TC meeting. The forum was very successful with 30-40 attendees, excellent for a Wednesday session. The Seminar was also well received.

The Symposium held in New York on Tuesday at 9:45 was well received. The session chair, Paul Francisco, had to scramble to get a second paper, as only one of the planned papers came through. However, he came up with another paper, and the session had about 40 attendees.

Three programs (2 seminars and a forum) had been approved by the TC for presentation at New York, but were not accepted. They are now shown on the plan for Salt Lake City. Item 3 is cosponsored by 62.2 as their number 1 priority, and there are now speakers lined up and ready to present in Salt Lake City.

Temple/Gaston moved to approve the program plan as submitted with the addition of Mike Lubliner as the chair of the forum. Motion approved 8-0-0.

The transaction session was previously approved, however, only one paper is currently ready for inclusion. Paul Francisco will contact ASHRAE to see if there might be orphan papers that could be added to the session. Since Paul will be chairing a seminar at the same meeting, he offered to allow another member to chair the symposium, and John Talbott volunteered.

There was discussion of the significance of the meeting theme in getting programs approved. It was decided to modify the titles of the sessions to emphasize their relationship to the meeting theme.

The program subcommittee recommended that a letter be sent to ASHRAE regarding penalties imposed by ASHRAE when a speaker fails to upload presentation materials by the deadline. The motion from the subcommittee that the letter be sent on behalf of the subcommittee was approved 8-0-0. The letter is shown in Attachment 2.

Research

Mike Lubliner discussed the Research Subcommittee meeting. The meeting was well attended. The project regarding humidity control in residential buildings has been approved as RP-1449. The Work Statement is included as Attachment 3. The PMS has been formed, but could be modified depending on bidders.

There is also an RTAR regarding heating performance of heat pumps in the Pacific Northwest, particularly relating to potential installation errors. This has been on hold pending similar work being done by others.

Mark Modera stated his expectation SPC 152 may need research related to cycling operation of equipment.

Byron Horak reported that TC 8.11 was looking into potential revisions of the ASHRAE indoor unit test procedure. They have an RTAR and would like to have TC 6.3 cosponsorship. He distributed drafts of the RTAR. The motion to cosponsor (Olsen/Lubliner) was approved 8-0-0.

Web Site

The website is up to date, and we are one of only 2 TCs in Section 6 to meet that. Steve Kowalski will continue as webmaster.

ASHRAE Learning Institute

Chuck Gaston requested any ideas for training programs.

Standards

The scheduling of the Standards subcommittee and the three SPCs was discussed. The TC is cognizant for 193P and 152, and several members are on 119. A schedule was agreed and appropriate requests will be made for Salt Lake City.

Mike Lubliner discussed SPC 193R activity. The meeting did not have a quorum, but no committee votes were needed. The committee has draft language, and has gotten informal comments from several parties which they are attempting to accommodate. The committee discussed issues related to the rating conditions to be included in the standard. He hopes for a PPR vote in the spring.

Paul Francisco discussed SPC 152R. They had a quorum, but there were schedule conflicts which limited attendance.

John Talbott discussed SPC 119. They had an informal meeting on Sunday. They expect to initially update the existing standard, but then expand the scope and substantially revised the standard.

Old Business

No old business.

New Business

Paul Francisco discussed the changes in the membership that will occur after Salt Lake City.

Adjournment

The meeting adjourned at 3:10 p.m.

TC 6.3 – Program Plan June 2007

Meeting	Symposium	Seminar	Forum
New York January 2008 Net Zero Energy	Ability of Ratings to Identify Better Performance: Do We Know What to Expect? (Francisco) 2 papers Tues. 9:45		
Salt Lake City June 2008 Benchmarking papers due 9/28/07 program due 2/8/08	<i>Measured Performance of Small Forced-Air HVAC Systems (Francisco)</i>	<i>1. Climate Optimized Cooling: Reality and Future Directions (Cherniack) 3 speakers, TC 9.5 cosponsor*</i>	<i>2. Benchmarking Leaky Air-Handlers and Furnaces – Who Cares? (Lubliner)*</i>
		<i>3. ASHRAE's Impact and Potential for Weatherization (Francisco) 3 speakers, cosponsor (62.2)*</i>	
Chicago January 2009 Sustainable Urban Design papers due 4/4/08 program due 8/8/08		<i>Should Building Cavities be allowed to be used as part of the HVAC Distribution System? (Cummings)</i>	
		<i>Performance of Wall-mounted Supply Air Outlets in Small Forced-air Systems (Temple/Lubliner)</i>	
Louisville June 2009 Optimal Air Quality papers due 9/26/08 program due 2/09		<i>Building and HVAC Pressure Imbalances</i>	
		<i>Perspectives on Standard 193 (Lubliner)</i>	
Orlando January 2010 ?? papers due 4/09 program due 8/09	<i>Forced-Air Distribution Systems in the Conditioned Space (Lubliner)</i>	<i>Humidity Control Options and Costs</i>	<i>Duct and HVAC Insulation: sweating, noise, energy etc. (Lubliner)</i>
Albuquerque June 2010	<i>Cost Effective Latent Cooling Options (Cummings)</i>		

*Programs approved for New York by TC but not accepted in Program

Other Potential Topics:

HVAC System Improvements in Modular Homes

Results of ARTI Research Projects

Changes to Standard 152

Energy Tax Credits for Residential HVAC – Is It Working and What Does It Cost? (Rocky) approved for Long Beach

High Altitude Applications and System Performance (Rittelmann), TC 6.10 cosponsor

TC 6.3 – Past Programs

Meeting	Symposium	Seminar	Forum
Minneapolis June 2000	Field Validation of ASHRAE Standard 152P (Andrews) 21 Attendees	Depressurization and Venting Issues for Residences (Hemphill) 44 Attendees	Residential HVAC in Cold Climates (Jakob) 11 Attendees
Atlanta January 2001		Exploring Alternative Energy Efficiency Factors (Temple) 30 attendees	Residential Cooling and Dehumidification in Hot and Humid Climates (Jakob) 35 attendees
Cincinnati June 2001		Update on Standards for Residential and Light Commercial Central Systems (Haydock) 50 attendees	Experiences with Residential HVAC in HUD-Code Manufactured Homes (Lubliner) 22 attendees
Atlantic City January 2002	Depressurization and Venting Issues for Residences (Jakob) 37 attendees		
Honolulu June 2002		Uncontrolled Airflows in Small Commercial Buildings (Kweller) 50 attendees	
Chicago January 2003	Advances and Issues in Residential Thermal Distribution System Efficiency (5 speakers - Andrews) 35 attendees		What should the “Design of Small Forced Air Systems” Chapter of the Handbook include on Duct Design? (Temple) 7 attendees
Kansas City June 2003	Advances and Issues in Residential Thermal Distribution Efficiency (5 speakers - Temple) 35 attendees	Impacts of Duct Systems on Indoor Air Quality (5 speakers - Siegel) 50 attendees	
Anaheim January 2004	Factors Influencing the Energy Performance of Forced-Air Systems (3 speakers -Lubliner) 60 attendees		
Nashville June 2004	Forced Air Distribution System Performance (5 speakers - Andrews) 60 attendees	Best Choice Cooling System Airflow Rates for Different Climates (5 speakers - Cummings)	
Orlando February 2005		What can ASHRAE Standard 152 Tell Us About Conditioning Our Houses? (4 speakers - Francisco) 20 attendees	
Denver June 2005	HVAC Systems and Performance in Building America Homes (Vohra) 50 attendees	How Should Thermal Distribution Efficacy be Defined? (Rittelmann) 40 attendees	What Often Ignored Factors Affect Performance of Residential Forced-Air Systems (Gaston) 15 attendees
Chicago January 2006	Managing Return Air in Residential and Small Commercial Buildings (3 authors - Francisco) 50 attendees		A look forward to 2020 for small forced-air H and C systems (Rocky) 21 attendees
Quebec City June 2006			The Role of Forced-Air Systems During Extraordinary Events (Siegel) 30 attendees
Dallas January 2007		Design Considerations for Multi-zone Residential Forced-Air Systems (Rittelmann) 50 attendees	
Long Beach	HVAC System Improvements in	Heating with Forced Air Heat	What is Needed to Commission

ATTACHMENT 1

Meeting	Symposium	Seminar	Forum
June 2007	Manufactured Housing (4 papers - Walker) 25 attendees	Pump Systems – Past, Present and Future (4 speakers - Lubliner)	Air Distribution Systems for Small Commercial Buildings (Wray)
New York January 2008	Ability of Ratings to Identify Better Performance: Do We Know What to Expect? (2 papers - Francisco)		

ATTACHMENT 2

On behalf of TC 6.3, we are writing to express our concern regarding the recent decision to implement the policy of penalizing a TC by costing them their #1 program priority for the next ASHRAE meeting if any of the speakers in a current session fail to upload their presentations on time.

It is our view that this unfairly penalizes the entire TC and future speakers for the actions of a single individual who does not get penalized and may not even be a part of the TC. Other than a sense of duty this individual does not clearly have an incentive to abide by ASHRAE's requirement under the current rule.

We recognize the importance of getting the presentations uploaded in a timely fashion. However, we would prefer a system by which the penalty for failure to meet the requirements is more directly placed on the individual(s) responsible. One possibility is to withdraw the complimentary registration awarded to speakers should they fail to upload their presentations on time.

Sincerely,

Paul W. Francisco
Chair, TC 6.3

Keith A. Temple
TC 6.3 Programs Subcommittee Chair