

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.
1791 Tullie Circle, N.E./Atlanta, GA 30329
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TC/TG/TRG MINUTES COVER SHEET

TC/TG/TRG NO TC 5.10 DATE 27 June 2004

TC/TG/TRG TITLE Kitchen Ventilation

DATE OF MEETING 27 June 2004 LOCATION Nashville

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Derek Schrock	2003	Darrin Earhart	2003	
Steve Brown	2003			
Mark Fink	2001			
Don Fisher	2003			
John Clark	2002			
Ken Hutchinson	2004			
Bill Sharp	2003			
Frank Kohout	2004			
George Zawacki	2002			
Roy Meacham	2004			
Tony Spata	2004			
Rich Swierczyna	2003			

DISTRIBUTION

DISTRIBUTION: ALL MEMBERS OF TC

TAC SECTION HEAD: Daniel Int-Hout

ALL COMMITTEE LIAISONS AS SHOWN ON TC ROSTERS:

Michael Brambley, Program Liaison
 Brian Rock, 2007 Handbook Liaison
 Charles E. Gulledege, TEGA Liaison
 Kimball E. Ferguson, Special Pubs Liaison
 John F. Hogan, Standards Liaison
 Samuel Cummings, ALI Liaison
 Frederick H. Kohloss, RAC Research Liaison
 Michael R. Vaughn, Staff Liaison (Research and Tech Services)
 Claire Ramspeck, Staff Liaison (Standards)

TC 5.10 Main Committee Meeting Draft Minutes

2:00 pm to 4:00 pm - Lincoln D,
Opryland Resort, Nashville
27 June 2004

Attendees:

Rick Bagwell	Alan Breitenfeldt	Steve Brown
John Clark	Mark DeLorenzo	Mark Finck
Don Fisher	Jim Folsom	Doug Horton
Ken Hutchinson	Frank Kohout	Roy Meacham
Phil Morton	Derek Schrock	Bill Sharp
Tony Spata	Rich Swierczyna	Doug Wadas
George Zawacki		

Call to Order:

Chairman Derek Schrock called the meeting to order at 2:00 P.M.

Quorum Call:

Twelve of thirteen voting members were present.

Approval of Last Minutes:

Motion to approve draft minutes of 26 January 2004 Winter meeting in Anaheim. Steve Brown motioned for approval of minutes, Alan Breitenfeldt seconded. Motion passed unanimously.

Announcements:

Chairman made the following announcements regarding Program events at Nashville:

- Seminar 39: Codes and Standards and Research Update
Tuesday, June 29 10:15 am-12:15 pm
Chair: Derek Schrock
 1. 1202-RP: Appliance Diversity Update.
Rich Swierczyna
 2. Development of a Standard Method of Test for Commercial Kitchen Grease Removal Systems.
Tom Kuehn
 3. UL 710 Revision Proposals.
Roy Meacham
 4. Update on International Mechanical Code.
Doug Horton
 5. Fire Extinguishing Requirements for Commercial Cooking Appliances and Exhaust Hoods.
Phil Morton
- Forum 24: Is Dehumidification of Restaurants in Hot and Humid Climates a Concern?
Wednesday, June 30 10:15am - 11:05am
Moderator: Rick Bagwell
Co-Moderator: Greg DuChane

These draft minutes have not been approved and are not the official, approved record until approved by this committee.

Liaison Report:

Handbook liaison Brian Rock addressed a question from the committee regarding the length of the print handbook chapter, no limit with authors' discretion.

Liaison for Newly Formed TC 9.5 Residential and Small Building Applications:

The letter of introduction was reviewed from the TC 9.5 Chairman, Glenn Friedman. The committee decided to issue a letter of invitation from TC 5.10 for a liaison from TC 9.5 to attend our meetings. The letter of invitation would include a list of resources available and of interest to residential and small building applications such as Handbook sections, recent research and Standard 154. The letter will be drafted by the secretary.

Webmaster for TC 5.10 Homepage:

Per a recent e-mail from Michael Vaughn, a dedicated file server will be available by ASHRAE to house TC websites. We will be contacted in early July to upload saved website files. Features of the new server include more hard disk space per web site (30 MB), faster file transfer rate (100 GB Monthly Data Transfer), and weekly back-up of the server files. The current TC 5.10 website resides on Architectural Energy's server and would need to be transferred. Rich Swierczyna will coordinate the transfer. Volunteers to maintain the new website included George Zawacki and Steve Brown.

Subcommittee Reports:

Membership report – John Clark

John Clark reported we have thirteen voting members on the committee and one person, Greg DuChane from Trane, seeking corresponding membership status.

Handbook Subcommittee – Rich Swierczyna:

Rich Swierczyna reported the subcommittee had reviewed and revised the content of three new sections to be included in the 2007 Handbook Chapter. The remaining six new sections will be reviewed in Orlando.

The subcommittee also submitted current heat gain data to address TC 4.1's request to revise Table 5 "Recommended Rates of Heat Gain from Typical Commercial Cooking Appliances" in Chapter 29 *Nonresidential Cooling and Heating Load Calculation Procedures* of the Fundamentals Handbook.

Research Subcommittee – Alan Breitenfeldt:

Alan Breitenfeldt reported that Rich Swierczyna presented findings on RP 1202 *Effect on Commercial Kitchen Hood Performance of Appliance Diversity and Position* that included the effects of overhang, location, side panels, 4-way diffusers and rear seals between the appliance and wall, for fryers, broilers and ovens under a 10-foot canopy hood. A 6-month/ no cost extension was requested to complete the project. Alan moved to allow a 6-month/ no cost extension for RP 1202 *Effect on Commercial Kitchen Hood Performance of Appliance Diversity and Position*. The motion was seconded by Ken Hutchinson. It was approved unanimously by the committee. Rich Swierczyna will include the extension in the progress report and Derek Schrock will send a letter to Michael Vaughn. The subcommittee also discussed a joint RTAR with TC 4.1, *Nonresidential Cooling and Heating Load Calculation Procedures*, on revising their kitchen appliance heat gain table, along with capture and containment exhaust rates and limited emissions testing for over 100 appliances listed in their Table 5 of Chapter 29 Fundamentals' Handbook. It was decided that TC 4.1 would take the lead on the research and TC 5.10's liaison would report on TC 4.1 research subcommittee's decision.

Alan reported planning to submit two RTAR's to RAC before the 1 August deadline. The first priority being Characterization of Effluents from Additional Cooking Appliances, and the second is Field Test Method for Determining CKV Performance. Alan submitted a motion to submit the first priority, Characterization of Effluents from Additional Cooking Appliances, to RAC; it was seconded by Steve Brown and approved by the committee unanimously. Alan was hopeful that the second priority, Field Test Method for Determining CKV Performance, could be e-mail balloted before the deadline. The third research priority is Evaluation of Thermal Comfort in Commercial Kitchens. The long range research plan includes: 4) Variable Flow and Savings Potential, 5) Enhanced Kitchen Load Calculation Manual, 6) Dishwasher Exhaust Flow Requirements, 7) Method of Test for Where Are Hoods Required?, 8) Heat Gain, Capture and Containment, and Emissions Requirements from Cooking Appliances.

Program Subcommittee report – Don Fisher:

Don Fisher reiterated the upcoming Seminar on Tuesday and Forum on Wednesday. He outlined the scheduled Program activities:

- Seminar - Orlando, January 2005, Design and Application Experience in CKV Systems
- Forum - Orlando, January 2005, Should Standard 62 Investigate Alternate Occupancy Calculations for Dining Areas?
- Seminar - Denver, June 2005, Dehumidification Strategies in Commercial Kitchens
- Symposium - Denver, June 2005, Energy Optimization Techniques for Restaurants

New Business:

Don Fisher summarized the progress of the ad hoc Grease Committee overseeing the grease filter efficiency method of test in conjunction with the University of Minnesota. The development is in its final stages and a draft method of test will be submitted to the ASTM F26, Food Service Equipment Committee, at the Fall meeting in Washington D.C., 7-8 October.

Steve Brown suggested extending a Letter of Condolences from the committee to Vern Smith regarding his recent loss. It was approved unanimously by the committee. It will be drafted by Derek Schrock.

Adjournment:

Motion to adjourn by Steve Brown and seconded by George Zawacki. The meeting was adjourned at 3:00 pm.