

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.
1791 Tullie Circle, N.E./Atlanta, GA 30329
404-636-8400

TC/TG/TRG MINUTES COVER SHEET

(Minutes of all TC/TG/TRG Meetings are to be distributed to all persons listed below within 60 days following the meeting.)

TC/TG/TRG NO.: TC 4.3 DATE: Jun 6, 1999

TC/TG/TRG TITLE: Ventilation Requirements and Infiltration

DATE OF MEETING: Jan 8, 1999 LOCATION: Chicago, Palmer House -Room La Salle 2 (7)

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Safir Adeni - Secretary Alex Boome Bernado Cardenal Martin Liddament Michael Ratcliff Brian Rock - Chairman Deepak Shah Steve Taylor Ian Walker Theresa Weston Craig Wray - Vice Chair Gren Yuill		John Janssen Michael Price (RESIGNED)		Ron Peterson Jan Kosny Ted Grauer Kamel Haddad Jim Reardon Tom Petrie Mark Modera Carl Speich Ken Jurgenmeyer Mario Medina John Talbott David Berg Mingshen Liu Ian Beausoleil-Morrison Clive Broadbent John Carter Victor Neuman Max Sherman Bjarne Olsen Art McIvor

DISTRIBUTION:

ALL MEMBERS OF TC/TG/TRG

TAC SECTION HEAD: Jeff Biskup

ALL COMMITTEE LIAISONS AS SHOWN ON TC/TG/TRG ROSTERS:

Terry Townsend - TAC Chairman

Carl Speich - RAC Liaison

Waller Clements - Standards Liaison

Larry Degelman - Programs Liaison

George Reeves - Handbook Liaison

John Talbott - Env. Health Committee Liaison

Kelley Cramm - ASHRAE Journal Liaison

ADDITIONAL DISTRIBUTION:

Claire Ramspeck - ASHRAE Standards

Bill Seaton - ASHRAE Research

Safir Adeni

Submitted By : _____
Safir Adeni

ASHRAE TC 4.3: VENTILATION REQUIREMENTS AND INFILTRATION
Palmer House Hilton, La Salle 2 (7) Chicago, Illinois
Jan 8, 1999
4:15-6:30 PM

Meeting called to order 4:15 p.m.

Quorum Check: 12 of 13 voting members present

1. Introductions

2. Review of Agenda and Minutes:

- Boome moved to approve minutes. (Weston second)
- Change the URP number from 1001 in section 5b, to 1101
- Delete line to see research sub committee minutes
- Motion to approve minutes as noted. Passed (Wray) 10-0-1 CNV.

- Honors sub committee report requests to be moved up in the Agenda

3. Announcements

Chairman Rock made the following announcements:

- ASHRAE HQ has proposed a service award for active contribution in a TC. There is one award to be shared among 90 TC's.
- Chair needs all members to participate in at least on Sub Committee or other area.
- TC 4.3's web pages are located at <http://hvac.arce.ukans.edu/ashrae/tc4.03/main>
- Meeting minutes can be communicated via e-mail and or Website only. No hard copies to be mailed.

Martha Hewett, Standards Liaison for SSPC62.1 requested recommendations from the TC for the next chair since Steve Taylor is rotating off as Chairman.

Taylor Moved (Wray second) that Andy Persily be recommended as next chair for SSPC 62.1. Motion passed 9-0-0-CNV.

4. Subcommittee Reports

a. Handbook (M. Ratcliff)

- *Building Air Intake and Exhaust Design* chapter for the 1999 Applications volume
- Draft approved on July 23, 1998 by e-mail letter ballot, 10-0-1-3
- *Airflow Around Buildings* chapter for 2001 Fundamentals volume
- *Ventilation and Infiltration* chapter for 2001 Fundamentals volume

b. Research (Craig Wray)

The following items were discussed. (See the TC's web for a detailed report)

- Changes in Research Plan and Work Statement procedures (3 Pre-WS, WS) : New ASHRAE proposals for submitting Research plans and work statements were discussed. We will proceed with existing protocols until an official new policy is communicated from ASHRAE HQ.
- RP-806 "Design Criteria for Building Ventilation Air Inlets" : (Completed) Ian Walker was made PMS Chair and requested to follow-up on a design guide to be published as a special publication by ASHRAE
- RP-763 "Impact of High Use Automatic Doors on Infiltration": Awaiting final report from HQ which has already been approved. Yuill promised to publish the technical paper before the next meeting. Yuill will also contribute toward the Handbook Chapter.
- URP 1101: Research Sub committee recommends to NOT fund this URP. Subcommittee (Wray) moves to Reject (Not Fund) this URP 1101. Motion passed 9-0-1-1 CNV

Research Plan:

- 1) "The Effect of Ganging on Pollutant Dispersion from Building Exhaust Stacks" (RAC PP twice!)
- 2) "Heat Transfer during Residential Infiltration/Exfiltration"
- 3) "Exhaust Contamination of Hidden vs. Visible Air Intakes"
- 4) "Occupant and Building Factors for Determining Ventilation Rates"
- 5) "Air Ventilation, Air Leakage, and IAQ in Elementary Schools"
- 6) "Characterization of Infiltration and Ventilation in Multifamily Buildings"

c. Program (Theresa Weston)

Toronto:

- Feedback: Well attended; Rated B+

Chicago:

- Seminar 12 (Co-Sponsor), *A New Initiative: HVAC&R Research for the 21st Century* - Ron Peterson to Lead
- Forum 15 (Co-Sponsor), *Feedback on the HVAC&R Research for the 21st Century* - Ian Walker will lead

Seattle: (Deadline Feb 12)

- Symposium: Residential Ventilation - Max Sherman
- Seminar: Technologies advancements on tobacco smoke controls & potential health effects with air re-circulation. Mark Huza. Cosponsor TC2.4.
- Symposium: Performance of small commercial buildings is subjected to air leakage reduction of ventilation air. Bernado Cardenal.
- Forum: What changes are needed in Std 62.1 - Wilcox

Dallas: (Deadline is Aug 6, 1999)

- Symposium: IAQ in schools. Bernado Cardenal.
(We will seek co-sponsorship from EHC for above project. (Cardenal))

- Symposium: Advantages and disadvantages of pressurization of large bldg.: Art Mclvor.
 - Symposium: Ventilation and Infiltration in Mid and high rise residential buildings: Jim Reardon
 - Symposium: Experimental verification of Multi zone and zonal IAQ models: CO sponsor with 4.10 Francis Allard chairing
 - Forum: Issues with Standard 62.1: Steve Taylor
- Motion passes: 10-0-0 -CNV

d. Standards (Max Sherman)

- SSPC 62.1: Five (5) addenda proposed at this meeting; Board at this meeting will possibly pass four (4). Five (5) more addenda went through public review. 120 comments received.
- SPC 62.2: First draft out for public review in 2Q99 probably between May – July
- Standard 152 : Recommended for Public review and 1 year trial use.
- Standard 129: No Activity reported
- Standard 136: There is correction needed in an equation, which was identified due to a discrepancy between the standard and the Fundamentals handbook, chapter 25.

e. Honors:

- Gren Yuill requested details for nomination from membership for distinguished service award.
- Gren Yuill moved to nominate Max Sherman for the “Technology Award”. Motions passed 10-0-1-1 CNV

5. Old Business

- Need to revise TC title and scope to reflect merger with TC 2.5
- Proposed Revise TC 4.3 Title and Scope:
 - TC 4.3 Ventilation Requirements and Infiltration
 - TC 4.3 is concerned with ventilation, airflow around buildings, and the reentry of exhausts, including their interactions with indoor air quality, HVAC system performance, and energy consumption.
- Ratcliff (Wray) moved to adopt the above revised scope. Motion passed 9-0-0-CNV

6. New Business

Chairman Rock proposed new roster for 99-2000. The corresponding members that have not confirmed interest will be deleted from the roster.

7. Adjournment

Meeting adjourned 6:15 PM.