



1791TullieCircle,N.E./Atlanta,GA30329404-636-8400

**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/TRGNO.:** TC5.1 **DATE:** March11,2008

**TC/TG/TRGTITLE:** Fans

**DATEOFMEETING** June 23,2008 **LOCATION:** Salt Lake City

<b>VOTING MEMBERS PRESENT</b>	<b>YEAR APPT'D - TERM ENDING</b>	<b>VOTING MEMBERS ABSENT</b>	<b>YEAR APPT'D - TERM ENDING</b>	<b>EX-OFFICIO(CM) MEMBERS AND ADDITIONALGUEST(G) ATTENDANCE</b>
Mike Brendel Joe Brooks David Carroll Franco Cincotti Brent Fullerton Tim Mathson John Murphy Ashesh Raychaudhuri Brian Reynolds Tom Sobieski	2007-2011 2004-2008 2004-2008 2007-2011 2004-2008 2004-2008 2005-2009 2007-2011 2007-2011 2007-2011	Greg Sanchez	2007-2011	John Cermak (CM) Chuck Coward (CM) George Gamble (CM) Rad Ganesh (CM) Paul Heitzmann (CM) Steve Idem (CM)  Zhiping Wang (CM) Peter Danos (G) Jerry Lilly (G) Dustin Meredith (G) Kim Osborn (G) Steve Sazama (G) Mark Schaffer (G) Jim Schick (G) Robert Z. Smith (G) Bob Valbracht (G)

**DISTRIBUTION**

**(AllMembersofTC/TG/TRGplusthefollowing):**

**TACSECTIONHEAD:**GaylonRichardson**COMMITTEEELIAISONS:**KimballFerguson(SpecialPublications),JohnHogan(Standards),AlanVeeck(Program),FredKohloss(RACResearch),MichaelCircosta(ChapterTechnologyTransfer),JulianDeBullet(ProfessionalDevelopment),SamuelCummings(ALI),DaveMeredith(Handbook);ClaireRamspeck(StaffLiaison);MichaelVaughn(Research&TechnicalServices)

**ASHRAE TC 5.1 FANS MEETING MINUTES Monday, June 23, 2008**

Hilton Hotel Salt lake City

**1. CALL TO ORDER**

Chairman Joe Brooks called the meeting to order at 4:30 P.M.

**2. ROLL CALL**

Members - Corresponding Members & Guests

Mike Brendel	John Cermak (CM)
Joe Brooks – Chair	Dustin Meredith (G)
David Carroll – Research	Kim Osborn (G)
Franco Cincotti	Teve Sazama (G)
Brent Fullerton	Mark Schaffer (G)
Tim Mathson	Jim Schick (G)
John Murphy – Standards	Robert Z. Smith (G)
Asesh Raychaudhuri – Program	Bob Valbracht (G)
Brian Reynolds – Handbook	
Tom Sobieski	

**3. APPROVAL OF MINUTES**

Asesh Raychaudhuri made a motion to approve the minutes of the meeting held on Monday, January 21, 2008, in New York City. Tom Sobieski seconded the motion. The minutes were approved by a vote of 10 to 0.

**4. ROSTER**

Ten (10) of eleven (11) voting members were present. A quorum was formed.

**5. ADOPTION OF AGENDA**

The meeting agenda was adopted by consensus.

**6. REPORTS**

**TC 5.0 SECTION HEAD REPORT**

No Report

**TC 5.1 LIAISON REPORTS**

1. **1. RAC Research** – No report
2. **2. Handbook** – No report
3. **3. Program** – No report
4. **4. Journal** – No report
5. **5. Standards** – No report

**CHAIRMAN'S REPORT – Joe Brooks**

As of June 30, 2008 4 members (Joe Brooks, David Carroll, Brent Fullerton and Tim Mathson) will roll off the voting member list. 4 corresponding members (John Cermak,, Patrick Chinoda, Chuck Coward and George Gamble will become voting members.

**ASHRAE TC 5.1 FANS MEETING MINUTES Monday, January 21, 2008 (continued)**

**6. PROGRAM SUBCOMMITTEE – Asesh Raychaudhuri**

The program for this meeting did not include all program elements desired by the committee due to time constraints.

**6.1 Chicago** – A seminar presenting results from RP1223 was suggested. If the review schedule will not support Chicago, it would be moved to Louisville.

**6.2 Louisville**– A seminar on multiple fan operation was suggested with John Cermak, Rad Ganesh and John Murphy as authors. A seminar on labeling fans for efficiency was also suggested.

**7. STANDARDS – John Murphy**

**7.1 SPC 87.2, In-situ Method of Testing Propeller Fans for Reliability**

A meeting was held on Sunday afternoon. David Carroll reported that the work was completed.

**7.2 STD 51/AMCA 210, Laboratory Method of Testing Fans for Aerodynamic Performance**

This standard is complete and is available from either ASHRAE or AMCA.

**7.3 STD 149, Laboratory Methods of Testing Fans Used to Exhaust Smoke in Smoke Management Systems**

This standard was recommended for reaffirmation by this committee via a letter ballot. The vote was 8 Yes, 0 No, 3 ballots not returned.

**8. HANDBOOK – Brian Reynolds**

**9. RESEARCH – David Carroll**

**9.1 Research Chair Workshop** – David attended the workshop and reported that Fred Kohlos is no longer the liaison to Section 5, being replaced by Mo Hosni

**9.2 RP 1126 Optimization of Sampling Tube for Induct Sound Testing** – no progress reported. John Murphy will contact Peter Baade to determine when the final report may be finished.

**9.3 WS 1216 Inlet Installation Effects, Air and Sound on Centrifugal Fans** – Rad Ganesh is chair of the PMS

**9.4 RP 1223 Installation Effects on Small Propeller Fans, Air and Sound** – The final report is in progress 3 Papers are being written to publicize the results.

**9.5 RP 1272 Inlet Installation Effects on Forward Curved centrifugal fans, Air and Sound** Testing is complete and the final report is in process.

**9.6 WS 1420 Installation Effects on Plenum Fans** – The Work Statement was approved and submitted.

**9.7 Suggested Research Topics**

Future research project under consideration is:

Research to develop criteria for improving the design of flow settling means utilized in multi-nozzle chamber performance testing defined in AMCA Standard 210

**10. LONG TERM PLANNING – John Cermak**

No report. Joe Brooks and Mike Brendel are added to this sub- Committee..

**11. FAQ**

No report. No questions have been forwarded from ASHRAE staff.

**ASHRAE TC 5.1 FANS MEETING MINUTES Monday, June 23, 2008 (continued)**

**12. WEBSITE REPORT – Brent Fullerton**

The TC 5.1 website is on-line and updated.

**13. FAN EFFICIENCY LABELLING**

The adhoc group has been active. There has also been activity at the ISO level, with a working group having been formed to produce a standard on this subject. The consensus of the adhoc group is that a national standard should be developed. It was recommended that the TC agree on at least three points:

1. Creation of a labeling system, with fan aerodynamic quality based on peak total mechanical efficiency.
2. Some recommendations for establishing user selection criteria.
3. Some method of specifying actual installed performance should be developed.

**14. TIME AND PLACE OF THE NEXT MEETING**

The next meeting of the committee is scheduled to be held in Chicago, Illinois on Monday, January 26, 2009.

**16. ADJOURNMENT**

The meeting was adjourned at 6:50 PM.