

**ASHRAE TC 5.1 Fans
Summer 2026 Subcommittee Meeting Notes**

Tuesday 6/23/2026, 2:00 - 4:00 PM CT
[Meeting Link](#)



[Sign-In Link](#)

1. Call to order

Mark VanderKooy

- a. 2:02PM CT by Mark VanderKooy

2. Review Scope

Mark VanderKooy

TC 5.1 is concerned with the selection, application and testing-for-rating of fans, including recommended installation practices and field test procedures.

- a. The committee scope was reviewed with no changes noted

3. ASHRAE Value Statement

Mark VanderKooy

ASHRAE Value Statement – In ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and shall avoid all real or perceived conflicts of interest. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We celebrate diverse and inclusive communities, understanding that doing so fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and the communities our Society serves. We respect and welcome all.

[Code of Ethics](#) – Please review prior to meeting

[Core Values](#) - Please review prior to meeting

[Diversity Statement](#) – Please review prior to meeting

4. Introductions

First Time Attendees

- a. No first-time attendees or new participants identified themselves during the meeting. Formal introductions will be conducted during the in-person/hybrid main meeting in Austin.

5. Agenda additions

All

- a. None

6. Subcommittee reports

- a. Programs

Dr. Rich Stauter

Report by: Robert Bissler (on behalf of Dr. Rich Stauter)

Current Programs and Submissions:

- TC 5.1 is co-sponsoring **Seminar 25: Testing of Non-Standard Structural Components and Equipment** at the Austin Conference.
 - Seminar includes discussion of **AMCA 280** and related fan testing requirements.
- A previously declined seminar proposal related to wind load requirements and fan validation will be resubmitted for the **2027 Winter Conference (Chicago)**.

Future Program Topics Discussed

Potential seminar topics for future conferences include:

- Energy codes and state fan regulations.
- Regulatory updates affecting the fan industry.
- Fan basics seminar.
- Novel fan applications.
- Wind load requirements and fan validation.

Action Items

- Robert Bissler to follow up with Nazme Mohsina regarding participation in the energy code/regulatory seminar.
- Christian Taber to contact Charlie and/or Paul Rafferty regarding participation as seminar presenters.
- Rich Stauter and Robert Simmons to coordinate development of a Fan Basics seminar proposal.
- Kevin Gebke to explore obtaining support from TC 5.2 regarding fan system installation topics.
- Program submission deadline for the 2027 Winter Conference noted as **August 3, 2026**.

b. Research

Devendra Kulkarni

Report by: Devendra Kulkarni

RP-1835 – Exhaust Stack Velocity Profiles

- Testing has resumed after delays caused by drone access limitations and weather.
- Testing completed for the conventional stack and one induced-flow nozzle.
- Remaining nozzle testing expected to be completed during the summer.
- Preliminary results indicate:
 - Greater variability in induced-flow stack configuration.
 - Velocity profiles and plume dispersion were more stable for conventional stack.
 - Induced-flow conditions create significant measurement challenges.

Acoustic Publications Research Project (0001-PRP)

- Contractor/editor continues monthly review meetings.
- Relevant content has recently been distributed to TC 5.1 reviewers.
- No significant TC 5.1-specific actions required at this time.

CFD Installation Effects Research Proposal

- Draft proposal received substantial review comments.
- Scope refinement is underway.
- Potential overlap identified with ISO/TC 117 Working Group 15 efforts on CFD performance prediction guidance.
- Devendra will consult with Joe Brooks regarding sharing draft documentation and coordinating scope.

Ceiling Fan Research (horizontal flow not captured by thrust measurement)

- Progress has been limited.
- Additional meetings scheduled between conferences to improve momentum.

Wind Loading on Rooftop Mounted Fans

- Mark VanderKooy reported limited progress since the Winter Meeting.
- Review comments have been received from Daniel Hernandez, Robert Simmons, and Sam Martin.
- Next step is incorporation of comments and scheduling a review meeting.

Additional Discussion

- Comments may still be submitted regarding the Experimental Validation of Performance Models of Induction Motors Powered by Variable Frequency Drives (VFDs) draft RTAR developed jointly by TC 6.1 and TC 11.1.
- Members were encouraged to submit ideas for future research projects.

c. Handbook

Z. Patrick Chinoda

Report by: Z. Patrick Chinoda

Progress Update

The subcommittee has completed a substantial portion of the chapter revisions.

Key updates include:

- Editorial revisions throughout the chapter.
- Addition of leakage-related content.
- Clarification of Actual vs. Standard CFM (ACFM vs. SCFM) terminology.
- Evaluation of proposed examples, with a recommendation to retain them as reference material rather than handbook content.

Schedule

- Handbook revisions are due July 2027.

- Goal is to complete committee review and approval during the 2027 Winter Conference, allowing sufficient time for final edits before submission.

Discussion Items

- Further refinement of power, horsepower, and brake horsepower terminology.
- Potential inclusion of metric based unit clarifications.
- Review of assembly and housing terminology.

d. Standards

Nathan Fetting

Report by: Nathan Fetting

Standards Tracking Resource

Members were reminded that a standards reference list is available on Basecamp within the Standards Subcommittee section.

AMCA 280

- Published February 2026.
- Seminar presentation scheduled during the Austin Conference.
- Mark VanderKooy will provide a condensed overview during the TC 5.1 main meeting.

Other Standards Activities

- ASHRAE Standards 207 and 214 remain under review.
- Ongoing discussions continue regarding:
 - ISO TC 117 CFD guidance development.
 - ASHRAE Standard 90.1 fan-related provisions.
 - DOE fan testing requirements and reporting procedures.
 - UL 705 and UL 507 standards maintenance activities.

Subcommittee Structure Discussion

The committee discussed expanding participation in the Standards Subcommittee through the use of liaison members responsible for monitoring specific standards organizations and committees.

Action Item

- Nathan Fetting to develop a strawman proposal outlining potential standards liaison assignments for discussion during the main committee meeting.

e. Website

Devendra Kulkarni

Report by: Devendra Kulkarni

Updates Completed

- Current meeting information and links posted.
- Historical documents were reorganized and archived appropriately.
- Research section previously updated remains current.

Membership Roster

- Current roster is accurate.
- ASHRAE roster updates effective July 1, 2026, will automatically flow to the website.

Website Issue

- Nicholas Popp reported difficulty accessing meeting links and not receiving meeting invitations.
- Mark VanderKooy will investigate and follow up separately.

7. Old Business

- a. No old business was brought forward for discussion.

8. New Business

- a. No new business was introduced.

9. Future Meetings

The TC 5.1 main meeting will be held on Monday, 6/29/2026 from 4:30 PM – 6:30 PM CT in JW Marriott Austin, JW – 207 – L2.

10. Adjourn