

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

TC/TG/MTG/TRG MINUTES COVER SHEET

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

TC/TG/MTG/TRG No. 6.10 DATE 6/19/2014

TC/TG/MTG/TRG TITLE FUELS AND COMBUSTION
DATE OF MEETING 1/21/2014 LOCATION NEW YORK CITY, NY

| MEMBERS PRESENT | YEAR APPTD | MEMBERS ABSENT | YEAR APPTD | EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE |
|------------------------------------|------------|--------------------------------|------------|--|
| Paul Sohler (VM-chr) | 6/2013 | Tom Butcher (VM-vchr-prg, Web) | | Diane Jakobs (G) |
| Tom Neill (CM-sec) | 6/2014 | Earl Rightmier (VM-rsch) | | |
| Jennifer Guerrero-Ferreira (VM-hb) | 4/2014 | David Bixby (CM-std) | | |
| Larry Brand (VM) | 6/2014 | Shamel Kassab (VM) | | |
| Mehdi Doura (VM) | 6/2014 | Hal Virgil (VM NQ) | | |
| Aykut Yilmuz (CM) | | Peter Novak (VM NQ) | | |
| George Kusterer (CM) | | | | |
| Anuj Mistry (CM) | | | | |
| David Herrin (CM) | | | | |
| | | | | |

Key: CM = Corresponding Member, G = Guest, L = ASHRAE Liaison, IM = International Member

Distribution

ALL MEMBERS OF THE TC/TG/TRG

TECHNICAL ACTIVITIES COMMITTEE CHAIRMAN: Walter Grondzik (TACchair@ashrae.net)

TAC SECTION HEAD: Mark Hegberg (mhegberg@comcast.com)

ASHRAE LIAISONS:

Program: (PL6@ashrae.net)

Research: Steve Hancock (RL6@ashrae.net)

MANAGER OF RESEARCH: Michael Vaughn (MORTS@ashrae.net)

ADDITIONAL DISTRIBUTION: TCStaff@ashrae.net

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

ASHRAE TC6.10 Meeting Minutes

Date: January 21, 2014

Location: New York, NY

Chair: Paul Sohler

1. Call to Order – Meeting was called to order at 3:15pm
2. Sign-in and Quorum Determination – At the beginning of the meeting, Thomas Neill reported that only three of seven voting members were present, so a quorum was not established at the start of the meeting (a fourth voting member arrived later, establishing a quorum).
3. Review and approval of New York Agenda – TC reviewed, but made no changes to the agenda distributed prior to the meeting.
4. Review and Approval of Minuets Dallas, Denver – With a quorum established at this point in the meeting, the TC voted 4-0-0 to accept the minutes for the Denver meeting, as well as the amended minutes for Dallas (see Denver minutes for amendments to Denver minutes).
5. Liaison Reports- Paul Sohler reported on the January 20th Section 6 Chair breakfast. The new section chair is Mark Hegberg. He asked all TC members to update their BIO on the ASHRAE web site. He noted that even if nothing is changed, members should review and hit Save to time stamp review date. Mike McDermont (track Chair) indicated there are a limited number of slots for presentation at meeting events.
6. Handbook – Jennifer Guerrero Jennifer Guerrero reported that the Handbook Subcommittee is currently reviewing Chapters 31 (Automatic Fuel Burning Systems) and Chapter 35 (Chimney, Vent, and Fireplace Systems) in the *HVAC Systems and Equipment Handbook*. Chapter 35 seems to be OK with only minor changes. It was suggested that references to international vent material code requirements be added to Chapter 35.
Chapter 31 is due April 11th 2015, and Chapter 31 due May 9th 2015. Jennifer Guerrero reported that she will open a Drop Box to allow members to view and make changes to one document for

each chapter under review. Concern was expressed about the need to make be sure that the document is protected so that tracked changes will not be lost. The document will have to be reviewed and compared to the ASHRAE check list.

A conference call will be set up in February to review where we are with Chapter 31. The Chapters will be reviewed by the Handbook committee and will be submitted for a vote in Seattle.

It was also reported that the TC's chapters in *Handbook of Fundamentals* will need to be reviewed when the current chapters are complete.

7. Research – Paul Sohler reported that he had submitted a Disposition of Research Form for RP1515 (Validation of Combustion Driven Oscillation Project). He also reported that, in follow-up to the Denver meeting, he had contacted the Chair of TC6.6 to see if there was any interest in that committee for co-sponsoring a follow-up project to RP1517. The basic objective of this project would be to see if the model developed in RP1517 would predict combustion driven oscillation in water heaters. It was noted that the two boilers studies in RP1517 exhibited extremely high and low frequency oscillation and that it would be useful to validate the model against some additional units having more typical oscillation frequencies. At least one member of TC6.6 (Frank Myers) is interested in working with the TC6.10 Research Subcommittee to develop a work statement for such a project.

Paul Sohler expressed the need to turn the results of RP1517, and any follow-up project, into a practical set of steps that manufacturers can take to solve combustion driven oscillation problems during the product development process.

8. Website – No Report

9. Programs - A suggestion made to consider a “Hot Topic” subcommittee meeting to discuss topics that people may be interested such as venting issues to generate interest of people who are not registered to attend. It was suggested that perhaps this could be cosponsored with another TC such as TC6.6. Another approach would be to submit our two seminars into the Seattle or Chicago programs. It was generally agreed that TC6.10 topics would generate more interest in Chicago than Seattle.

The TC agreed to ask Tom Butcher to review our proposed topics and verify they are ready to submit for Chicago. Paul Sohler agreed to contact the Track Chair and see where these topics would best fit.

10. Standards –

Diane Jakobs (Rheem) indicated that Z21.83 has started a working group to study plastic vent pipe material. ULC 636 and UL 1738 some manufactures of vent pipe want the product manufactures to provide mass flow rates and temperature leaving the appliance

11. Membership – The Chairman reported that he would request the addition of the following corresponding members to TC6.10, effective 7/1/14:

Mr. Craig Girder

Ms. Diane Jakobs

Mr. Anuj Mistry

12. Old Business – None

13. New Business – None

14. Next Meeting – June 2014 at the ASHRAE Annual Meeting in Seattle, WA

15. Adjournment – Meeting Adjourned at 5:10 pm

Respectfully submitted,

Thomas Neill
Secretary