

TC 1.2 Instruments and Measurements
Meeting Minutes
New York City, New York, January 22, 2008
Place: Sheraton New York Hotel: Room Name – Hudson

These minutes have been approved by TC 1.2 and are the official, approved record of the TC 1.2 meeting in New York City. Votes cast during this meeting are in the format #for-#against-#abstain-#absent.

- I. Meeting called to order at 1:06 p.m. by Chairman, David Yuill. Introductions and quorum were established with 6 voting members present.
- II. David Yuill reviewed the agenda items for the meeting.
- III. The committee reviewed the Long Beach Meeting minutes prepared by Ron Moncrief.
- IV. Charlie Wright moved that the committee accept the minutes of the Long Beach meeting. Patrick Collins seconded. The minutes were approved 6-0-0-3.
- V. SSPC 41 Report

Rick Hall, Chairperson of SSPC 41, Methods for Measurement Standards, presented the SSPC 41 meeting report. The status of each TC 1.2 standard is listed below

Standard 41.1-1986 (RA 2006) -- Standard Method for Temperature Measurement

The new title, purpose and scope have been approved. John Douglas has replaced Charlie Wright as subcommittee chair. The TC 1.2 sponsored Forum 21 was held on Wednesday, January 23.

Standard 41.2-1987 (RA 92) -- Standard Methods for Laboratory Airflow Measurement

Standard 41.3-1989 -- Standard Method for Pressure Measurement

Subcommittee chair Frank Spevak lead a meeting on Sunday afternoon to continue the subcommittee's review of the standard for revisions. Frank Spevak will also submit a revised title, purpose and scope to ASHRAE for approval.

Standard 41.4-1996 (RA 2006) -- Standard Method for Measurement of Proportion of Lubricant in Liquid Refrigerant

Jim Douglas is chairman of this subcommittee. Work on preparation of a public draft of this standard is about 67% complete.

Standard 41.6-1994 (RA 2006) -- Standard Method for Measurement of Moist Air Properties

The title, purpose and scope of this standard have been approved by ASHRAE.

Standard 41.7-1984 (RA 2006) -- Method of Test for Measurement of Flow of Gas

John Scott will compare standard with ASME standards. This standard may be withdrawn

Standard 41.8-1989 -- Standard Methods of Measurement of Flow of Liquids in Pipes Using Orifice Flowmeter

John Scott will compare standard with ASME standards. This standard may be withdrawn.

Standard 41.9-2000 (RA 2006) -- Calorimeter Test Methods for Mass Flow Measurements of Volatile Refrigerants

This standard was issued in 2000 and reaffirmed in 2006. If references have been changed, it must be revised.

Standard 41.10-2003 -- Flowmeter Test Methods for Mass Flow Measurement of Volatile Refrigerants

Standard 41.11 -- Power Measurement

The Standards Committee approved the preparation of this new standard at its meeting in Long Beach. Eric Graham is subcommittee chair. The first meeting was held on Monday morning.

VI. Liaison Reports

No liaisons were present at the meeting.

VII. Report from TC/TG chair's breakfast meeting on Sunday – David Yuill.

David Yuill reported that Tony Jacoby is the new section head. There are ten seminars sponsored by Section 1 TCs at the New York meeting. TC rosters are available on the ASHRAE website. Every TC must have an active website which is linked to the ASHRAE website. All programs must be uploaded two weeks prior to the session. If not, the TC will be penalized at the next session. A speaker who declines to sign the DVD waiver will not be allowed to speak. Two speakers who planned to participate in technical sessions at the New York meeting did not speak because they did not sign the DVD waiver.

VIII. Handbook: Terry Beck

Terry Beck reported that he attended the handbook chairs meeting and obtained an update on the schedule. Terry reviewed the status of the committee's review of the handbook chapter. One section, Air Contaminant Measurement, has not been reviewed. Terry passed around the spreadsheet which documents the status of the review of chapter sections. Terry will complete the chapter update by the end of February and send out to TC 1.2 committee members. The TC must vote on this chapter revision by the end of May, 2008. The chapter number has been changed from 14 to 36. Terry asked committee members to review the references for the sections they reviewed. David Yuill reported that he is now a member of the Handbook Committee. ASHRAE will push for globalization of the Handbook so that it will apply worldwide and not just in the United States. ASHRAE's goal of Net Zero buildings by 2020 will be included in the handbook. The 2007 Applications Handbook has 51 chapters and 18 had no revisions. The Fundamentals Handbook to be issued in 2009 will contain a chapter on sustainability.

IX. Research: Frank Spevak

Frank reported that at the Research Subcommittee Chair's breakfast meeting a service award was presented to an individual from the Brookhaven National Laboratory. ASHRAE is withholding a portion of the available research funds to enable the funding of research projects in years when research donations are below average. Next year's research budget is \$2.3 million. Frank reported that of the 68 currently active projects, 11 have been completed. However, 14 new projects will increase the number of active projects to 71. Work statement submissions have increased and bids have increased.

Seven work statements were accepted, six were accepted conditionally and six were returned. The new revision of the research manual will be available on the ASHRAE website on January 31, 2008. Work statement authors will be permitted to bid on the research project. A minimum of three bidders is required. The Project Monitoring Subcommittee (PMS) must have at least three members. One of the Proposal Evaluation Subcommittee (PES) members must be the Research Liaison. Work Statement authors and PMS members will be listed in the ASHRAE Journal. ASHRAE must be informed of all subcommittee meetings even if conducted via telephone conference call or internet.

RP 1245: Determine the Effect of Duct Fittings on Air Velocity Measurements.

Frank Spevak reported that this project is moving but progress is slower than expected. A request for a second no cost extension of the project deadline has been approved by the PMS. Frank stated that the project data will be very useful. It can be placed in Chapter 36 or in other documents. The PMS meets on Monday at 1 PM. The project is currently 50% complete and the scheduled completion date is June, 2008

RTAR #1460: Design Specifications for a Wet-Bulb Aspirator Apparatus

Rick Hall reported that the RTAR for this SSPC 41 research project was approved at the Long Beach meeting and comments have been received on the work statement. Pat Collins reviewed the Research Committee's comments and the committee's responses. Pat Collins and Michelle Frederich will meet with the chair of the Research Committee to discuss their comments. It was hoped that project approval will be obtained at a meeting on January 23, 2008.

RP-1212: Airflow Measurements of Biological Safety Cabinets

Frank discussed this research project which TC 1.2 cosponsored with TC 9.7 and which was endorsed by TC 9.10. The project documents provided to the PMS were contained in two 3" binders and totaled 740 pages. The principal investigator has vanished. The PMS sent the binders to ASHRAE and every page was scanned. Frank Spevak has a .pdf file of the document and will work with the other investigator to prepare articles and a presentation.

Frank asked for ideas for future research projects. John Scott discussed a possible project on ultrasonic flow measurement which TC 1.2 could cosponsor or endorse.

IX. Standards Subcommittee: Richard Hall reported for Jim Douglas.

See Section V for the Richard Hall's portion of the Standards Report.

Jim Douglas stated that a decision needs to be made on Guideline 2 by February 8, 2008 on whether this document will be revised, reaffirmed or withdrawn. Jim stated that it probably will be reaffirmed. He also stated that he will review Guideline 2 and make a motion to revise, reaffirm or withdraw it. TC 1.2 members will be asked to vote by email ballot.

X. Programs Subcommittee - Steve Idem

A. Steve reported that Forum 21, "How Outdated Do You Want Your Standards to Be?", will be held at 11 AM on Wednesday, January 23.

B. A report on Research Project RP-1245 will be presented at the Chicago meeting (January, 2009).

C. Steve asked for ideas for a seminar at Salt Lake City. He stated that Mike Hall of NIST has a topic for presentation but another presentation is needed. The seminar request must be submitted by February 8, 2008.

XI. Membership: David Yuill

David stated that three members (Jim Douglas, John Scott and Frank Spevak) will be returning to voting member status after a one year as corresponding members.

XII. Website

David Yuill stated that an ASHRAE staff member stated that the TC 1.2 website was not linked to the ASHRAE website. Frank Spevak stated that he would make that link. This is a recent ASHRAE requirement (see Item VII).

XIII. New/Unfinished Business

None.

XIV. Adjourn Meeting

John Scott moved that the meeting be adjourned, Ron Moncrief seconded, and the motion was approved 6-0-0-3. The meeting adjourned at 3:07 p.m.

Attendees:

Terry Beck (VM)
Eric Graham
Eric Lee
Frank Spevak (CM)
David Yuill (VM)

Patrick Collins (VM)
Richard Hall
Ron Moncrief (VM)
Mike Wegenka

James Douglas
Steve Idem (VM)
John Scott (CM)
Charles Wright (VM)