



COOLING TECHNOLOGY INSTITUTE

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PERFORMANCE & TECHNOLOGY COMMITTEE CLOSING MEETING MINUTES

February 9, 2011

1. CALL TO ORDER

Kenneth Hennon, Performance & Technology Committee Chairman, called to order the closing meeting of the Committee on February 9, 2011 at 3:10 p.m. at the Westin Riverwalk in San Antonio, TX.

2. ATTENDEES

The attendees from the P&T opening and/or closing meetings are listed below.

Rich Aull	Tom Bugler	Larry Burdick
Gene Culver	Toby Daley	Dick Desjardins
Rich Harrison	Trevor Hegg	Ken Hennon
Natasha Jones	John Kosanovich	Jean-Pierre Libert
Paul Lindahl	Zan Liu	Kent Martens
Frank Michell	Frank Morrison	Scott Nevins
Doug Randall	Sterling Rhemann	Mark Shaw
Tom Weast	David Wheeler	Barry Woods
George Zubritsky	Michel Monjole	Sirjacq Ludovic
Ganzitti Vincent	TS Lim	Tom Carter
Luigi Zanzi	Dayle Ellis	Michael Coughlin
Gregory Henderson	Daniel Burns	Robert Fulkerson
Greg Deshong	Magose Eju	Regina Wong

3. OLD BUSINESS – TASK GROUPS

- a) The drift test code, ATC-140, has been submitted to CTI for formatting in preparation for a Board of Directors (BOD) vote for approval. This vote is anticipated to occur at the summer workshop.
- b) The air cooled condenser test code, ATC-107, has been submitted to CTI for formatting in preparation for a BOD vote for approval. This vote is anticipated to occur at the summer workshop.

4. OLD BUSINESS – ACTIVE TASK GROUPS

- a) STD-202 (Publication of test results) – Paul Lindahl, Chair

The task group voted to continue the Consensus Process (formerly ANSI Process). The task group reviewed and addressed all the ad-hoc comments. According to the Consensus Process, the draft document is to be distributed next to the P&T membership for review and comments prior to submittal to the Board of Directors.

The need for a legal review of the document should be brought up by P&T before the Board.

b) ATC-105 (Thermal Tests) – Rich Harrison, Chair

Assignments were turned in and reviewed. Uncertainty calculation methodology was discussed as well as parameter limits such as fan power. A suggestion was made to standardize the criteria to choose the most stable test window(s). Assignments turned in for committee consideration included helper cooling tower evaluation, wind speed measurement locations, and text regarding make up and blow down measurements.

c) STD-146 (Flow Measurement) – David Wheeler, Chair

The task group discussed the R&D process necessary to determine the best future pitot tube tip design and the urgency associated with the determining an acceptable alternative to the pitot tube design currently in use. The committee decided to accept various Pitot tube tip designs for consideration and inclusion in the P&T R&D proposal from interested parties. The deadline for submittal to the Task Group Chair is May 1, 2011. Detailed dimensional drawings are required for consideration. David Wheeler is to write a test procedure to evaluate the candidate tips.

d) ATC-150 (Plume Abatement Test) – Paul Lindahl, Chair

The draft document including all ad-hoc comments has been approved by the task group. The document will go to P&T membership for review and comments in accordance with the Consensus Process.

e) Technical Review – Trevor Hegg, Chair

The task group made the following recommendations:

- ATC-128 (Sound) is to be re-opened.
- ATC-106 (Evaporative Refrigerant Condenser) should be reaffirmed until ATC-105 is completed.
- PTG-143 (Airflow): will be discussed in a near term Tech Review committee phone call.
- ESP documents: no action recommended at this time. Trevor Hegg and Ken Hennon will determine what can/should be done with these documents.
- The task group discussed combining ATC-105, 105S and 106 into a single document with a common core text with separate supporting sections for each different piece of equipment. No action is recommended at this time. An outline of what the document would look like should be prepared for discussion at a later date. The example of ASME PTC-23 was brought up.

f) STD-201 (Certification) – Frank Michell, Chair, and Trevor Hegg, Co-Chair

This is standing committee. The list of items for review keeps growing and priorities must be re-defined repeatedly. The task group decided to have an interim web-based meeting on March 22, 2011 at 9:00 EST. Those wishing to participate should contact Frank Michell. There may be other interim meetings before the summer workshop.

There was a discussion about scheduling conflicts between different group meetings; for example the Certification task group met at the same time as another group which prevented the STD-201 Chairman from attending.

There was significant discussion about whether STD-201 should adhere to the Consensus Process moving forward.

g) General discussion: Consensus Process.

There was a discussion on the Consensus Process (formerly ANSI process). The process details need to be clarified and finalized. Among other things a clearer definition of document flow is needed and the public review process needs to be clarified. The Consensus Process applies when a standard is expected to become adopted by other organizations in the future.

5. NEW BUSINESS

- a) ATC-128 will begin the revision process in committee during the 2011 Summer Workshop. Jean-Pierre Libert will chair and solicit membership. The re-opening of ATC-128 is likely to affect the process of the Sound Test Implementation Task Group.
- b) Chapter 3 (Performance variables) of the CTI Manual will also be reopened. Rich Aull will chair the task group. Chapter 3 will become a supplement to the CTI Toolkit User's Manual.
- c) Chapter 5 (Field Manual) will open up. Rich Aull will chair the task group. Chapter 5 will become simply the Toolkit software.
- d) Proposal was made from the floor by Michel Monjoie and Vincent Ganzitti to consider the inclusion into ATC-140 of a protocol for the resistivity method of analysis. ATC-140 is now considered closed. There was a discussion of presenting additional information from recent tests using this method and whether this data could be presented in the form of a "white paper" or "position paper".

The meeting was adjourned at 3:45 p.m.

Minutes prepared by:
Jean-Pierre Libert, P&T Vice Chair
February 9, 2011

Kenneth Hennon, P&T Chair