



# COOLING TECHNOLOGY INSTITUTE

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## Performance & Technology Committee Closing Meeting Minutes July 10, 2013 Del Mar, California

### 1. Call to Order:

The P&T Committee Chairman, Toby Daley called the closing meeting of the Performance & Technology Committee to order at 10:00 am at the Del Mar Hilton in Del Mar, California.

### 2. **Attendees: See attached list**

### 3. Active Task Group Concluding Remarks

- a. ATC-105 (Thermal Test Code) David Wheeler, Chair. The committee met on two occasions and discussed Appendix O (Wet bulb instrument standard) and the section on long term testing. The sub task group on uncertainty met and made significant progress and agreed to continue discussions the 3<sup>rd</sup> or 4<sup>th</sup> week of September.
- b. ATC-128 (Sound Test Code) Jean-Pierre Libert, Chair (Committee Member Larry Burdick provided the summary). The committee meet at their scheduled time and reviewed all comments made on the existing draft. Revised draft will be distributed to committee members. The document is ready for Ad-hoc review.
- c. PFM 143 (Air Flow Measurement Guideline) Paul Nelissen, Chair. A brief meeting was held. The document requires updating to 1) incorporate current instrumentation technology, 2) add more detail for the static pressure calculation, 3) convert the document from its current format to MSWord. It is anticipated that the document will take one year to revise.
- d. Sound Testing Task Force – Paul Lindahl, Chair. The group meet with quorum achieved. Several committee members suggested changes. A conference call will be scheduled in later July or early August to continue discussions. Topic up for discussion: Who will be on the newly formed task group for application review and audit visits? This will need to be a presidentially appointed task group. Another unresolved question is how to handle sound test agencies who do not have thermal testing capabilities.
- e. PTG 156 (Thermal Test Guide) Ken Hennon, Chair. Document is completed and ready for ad-hoc review.

- f. STD-146 (Water flow Measurement Standard) - David Wheeler, Chair. A portion of the meeting was devoted to reviewing the final draft of the Pitot Tube Study Request for Proposal document. Zan Liu and David Wheeler committed to update their respective drawings. Some discussion took place on alternate flow measurement devices.
- g. STD-201 (Thermal Test Certification Program) – Frank Michell, Chair. The rating manual is now complete and will be submitted to the BOD for approval.
- h. STD 202 (Publication of Thermal Test Results) – Paul Lindahl, Chair. This document has been approved by the BOD.
- i. Other. Committee Chair Toby Daley opened the floor to discussions as to how to improve the next meeting. Several items were identified and noted below:
  - i. All meeting rooms should have an LCD projector with screen & microphone
  - ii. Meetings should be scheduled earlier to allow posting to website
  - iii. Toby suggested that 1) all meeting agendas include specific goals of the committee, 2) all task groups have a vice chair in addition to the committee chair

4. The meeting was adjourned 11:00am.

Minutes prepared by:  
Rich Aull, P&T Co-Chair  
October 09, 2013