



COOLING TECHNOLOGY INSTITUTE

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2017 CTI Technical Committee Workshop Performance & Technology Standing Committee Minutes

February 6-8, 2017

Task Group Chair Reports

- **ATC-105 – Acceptance Test Code for Water Cooling Towers** (Larry Burdick, Chair)
 - Voted and approved a method for extrapolation of the crossplot beyond usual flow range when using the performance curve method.
 - Discussion on recommendations for seasoning of fill prior to thermal testing. A teleconference will be held before the Summer meeting.
 - Discussion on development of a white paper for guidelines on how to validate test results with contractual requirements.

- **Water Usage Task Group** (Zan Liu, Chair)
 - Reviewed calculations
 - Vincent Ganzitti will be doing a analysis for an extreme location case (ex. Middle East)
 - Hussnain Yaser will be doing a sensitivity analysis of a range of L/Gs
 - Zan Liu will be starting on language surrounding purpose

- **Sound Certification** (Doug Randall, Chair)
 - Announced voting members (Scott Nevins, Barry Woods, Chris Auth, Doug Randall, Mike Womack, Jared Medlen, Matthew Kantor, Erik Miller-Klein.
 - Chris Auth will serve as Vice Chairman
 - Agreed that two options should be available; thermal certification only, or thermal plus sound certification. Further discussion required on how to structure.
 - Discussion on whether or not to integrate sound certification into STD-201. More discussion planned prior to Summer meeting.

- **STD-202 Standard for Publication of Custom Cooling Tower Thermal Performance Test Results** (Paul Lindahl, Chair)
 - Reported on the changes that were recently approved.

- **STD-201 Standard for the Certification of Water Cooling Tower Thermal Performance** (Mike Lippy, Vice Chair)
 - Discussed and approved measures to address heat exchanger pressure drop for closed circuit cooling towers.
 - Discussed and approved modifications to the standard to allow the CTI Certification Administrator to address minor procedural violations.
 - Mike Womack raised the topic of revisions required in light of the results of the pitot-study work conducted by the R&D Task Group.
 - Reviewed and discussed the potential need to change CTI label templates to include revision numbers.

- **PFM-143 Recommended Practice for Airflow Testing of Cooling Towers** (Mike Daley, Chair; Sander Venema, Vice Chair)
 - Reviewed Changes made during teleconferences
 - Further discussed changes around motor input power vs. shaft power