



1791 Tullie Circle, N.E./Atlanta, GA 30329
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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. TC 5.07 DATE January 14, 2019

TC/TG/MTG/TRG TITLE Evaporative Cooling

DATE OF MEETING January 14, 2019 LOCATION Atlanta, GA

| MEMBERS PRESENT | YEAR APPTD | MEMBERS ABSENT | YEAR APPTD | EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE |
|-----------------|------------|----------------|------------|----------------------------------------------|
| Steve Slayzak | 2016 | Sukru Erisgen | 2016 | Jonathan Woolley |
| Richie Mittal | 2016 | Leon Shapiro | 2015 | Andy Cochrane |
| William Truong | 2017 | Mike Scofield | 2017 | David Sietsema |
| G.D. Mathur | 2017 | Vishnu Sreeram | 2017 | Galen Gerig |
| | | | | Steve Clark |
| | | | | Ahmed Abdel-Salam |
| | | | | Mustafa Ozturk |
| | | | | David Baird |
| | | | | Carl Batchelor |
| | | | | Sharon Thomas |
| | | | | Daryl Griffith |
| | | | | Dave Binz |
| | | | | Mark Miller |

DISTRIBUTION: All Members of TC/TG/MTG/TRG plus the following:

| | |
|-------------------------------------------------------------------------------------------|---------------------------------------------------|
| TAC Section Head: | SHx@ashrae.net Where x is the section number |
| All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters (Research, Standards, ALI, etc.) | See ASHRAE email alias list for needed addresses. |
| Mike Vaughn, Manager Of Research & Technical Services | MORTS@ashrae.net |

Note: These draft minutes have not been approved and not the official, approved record until approved by the TC.

MEETING MINUTES

ASHRAE TC-5.07 Evaporative Cooling
Monday, January 29th 2019
4:15 – 6:30 PM,
GWCC, 4th Floor, Building A, A405

I. CALL TO ORDER

Steven Slayzak called the meeting to order at approximately 4:27 pm.

An attendance sign-in sheet was circulated and signed by those in attendance.

A roll call was held, five (4) of the seven (7) voting members were present to start the meeting, establishing that a quorum was available to conduct business.

The minutes from the Las Vegas ASHRAE TC- 5.7 meeting were read and approved by a unanimous vote of the voting members.

II. APPROVAL OF PREVIOUS MINUTES

A motion was made by GD to approve the minutes (2nd by William). The motion was carried.

(4) Approved (0) not approved (0) Not attending, (0) Abstentions

III. Chairs Report

- ASHRAE would like to consolidate ~130 TC's and SPCS, etc. into 30
 - Main driver is finding meeting space
 - Possible consolidation with TC 5.11 Humidifying Equipment
 - Steve to follow up by email

IV. Handbook (Mathur)

- The review of Applications chapter 52 is completed and was approved April 30th
- Applications chapter was approved last meeting
- Suggested changes to Systems and Equipment Chapter 41 was sent out to voting members
 - i. Steve suggested consolidating sections
- Send any comments on Systems and Equipment chapter 41 to GD Mathur by end of January
 - i. Need to be submitted by the end of July at the latest
- Steve to work with Mathur to set up basecamp and upload Chapter 41 for review

V. Membership (Scofield)

- Mike was not in attendance Atlanta
 - 2 new members joined

VI. Programs (Slayzak)

- 75 attendants for "Integrated hybrid with DX" seminar on Sunday
- No seminars proposed currently

- Jonathan Woolley (UC Berkley) might have a suggestion for cannabis best practices (not necessarily on evaporative cooling)
- “Opportunities for evaporative cooling” in cannabis possibly for Orlando or Las Vegas might be better

VII. Research (Mittal)

- Subcommittee discussed the possibility of an evaporative cooling design guide
 - i. It could be done as either a research project or by working directly with ASHRAE publications (preferred route)
 1. TC 5.7 would have input on the team with potential royalties or compensation structure for meeting expenses
 2. The next step is to find a lead writer for the design guide
 - A subcommittee was formed to come up with an outline and call for writers
 - Design Guide Subcommittee is: Andy Cochrane (Chair), Mike Scofield, Nick Deschamps, Steve Slayzak & Pat Graef,
 - Ahmed Abdel-Salam (Nortek) would like to be involved as well
 3. Need to determine lead writer and generate a business case
 - ASHRAE publications
 - i. Royalty structure
 - Need a primary author and scope defined (intentions and who’s going to buy it)
 - i. Best practices
 - ii. Controls
 - Subcommittee can review
 4. Richie will discuss with publications committee

ii.

VIII. Standard 133,134, and 212 (Graef/Modera)

- Standard 133 and 143 have been updated
 - Galen Gerig (Vertiv) was getting emails to review after everything was approved
 - Steve to talk to Pat about the status
- Public review Standard 212: Testing the Performance of Evaporative Pre-Coolers was approved

IX. Website (Dwyer)

- The website is up to date and agenda and meeting minutes are posted

X. Liason Reports

- **TAC Section 5 chair Larry Smith**
 - 5.1, 5.2, 5.6, 5.9 have agreed to consolidate in section 5
 - Send any feedback regarding TAC changes to Larry at sh5@ashrae.org
 - Herman and Dorothy Behls Travel Award Endowed Fund setup by TC 5.2
 - If you would like to make a donation please visit <http://foundation.ashrae.biz/>
- Challenge 2020
 - Program tract 7

- Opportunity in 2020 (Orlando) to put on 10-15 programs

XI. Old Business/ New Business

- Sukru is no longer with Dristeem
 - i. Steve will reach out to Sukru to discuss his future involvement with TC 5.7

XII. Closing Remarks (Slayzak 2018-2020 Chair)

XIII. Next Meeting

- Orlando, FL : Monday (1/12/2019), 4:15 pm - 6:00 pm, Room: TBD

XIV. Adjournment

A motion to adjourn the meeting was made by William and properly supported by GD.
All members were in favor; none opposed.

(4) Approved (0) not approved (0) Not attending, (0) Abstentions

Meeting adjourned at 6:05 pm.