



Atlanta, GA 30329  
404-636-8400

**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 6 Feb 2023

TC/TG/MTG/TRG TITLE Evaporative Cooling

DATE OF MEETING 6 February 2023 LOCATION Atlanta, GA

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
William Troung	2022	Patricia Graef		Cheng-min Yang
Steve Slayzak	2022	Nicholas Lea		Long Phan
Annette Dwyer	2022			Kevin Marple
Gursaran Mathur	2022			Alkis Triantafyllopoulos
Richie Mittal	2022			Galen Gerig
Mark Miller	2022			Ted Yang
				Matt Tilghman
				Hugh Hudson
				Muhammad Waki Shazed
				Nelson Fumo

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

TAC Section Head: Kevin Marple	SH5@ashrae.net
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters (Research, Standards, ALI, etc.)	See ASHRAE email alias list for needed addresses.

## Meeting Minutes

ASHRAE TC-5.07 Evaporative Cooling  
February 6, 2023, Thursday  
5:00 - 7:00 PMPST  
Hybrid

### 1. Call To Order (Truong)

Meeting called to order by William at 5:00

### 2. Review Scope (Truong)

TC 5.7 is concerned with contact type heat transfer surfaces and equipment for evaporative air-cooling. It includes application to residential, commercial, and industrial cooling requirements.

### 3. ASHRAE Code of Ethics (Truong)

“In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests.” See full ASHRAE Code of Ethics:

<https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>

### 4. Introductions (All)

### 5. Agenda Additions (All)

No changes to the agenda

### 6. Chair Report

- a. Chair Goals
- b. Announcements and Highlights from TC Chairs Breakfast Meeting

### 7. Liaison Report (as they arrive)

- a. RAC (Jin Wen) – not present
- b. TAC Section 5 Head - Kevin Marple
  - i. Functional Form:
  - ii. Roster: Update the roster for Tara July 1, 2023 through June, 2024
  - iii. Review the MOP title changed to Functional Group. Read through the reference manual. It is 14 pages.
  - iv. Hybrid meetings will continue within ASHRAE, otherwise individual TC's can continue to set them up independently

### 8. Approval Of Summer Minutes

- i. Quorum not established, meeting minutes could not be approved

### 9. Membership Roster

- a. Galen and Alkis volunteered to become voting members
  - i. This has been updated on the roster and will roll after the summer meeting
- b. Long Phan has volunteered to take over the secretary position

## 10. Subcommittee Reports

- a. Programs (**Slayzak**)
  - i. No seminars or programs for this conference
  - ii. TC 5.07 will propose a seminar for Tampa
    - 1. TC 4.4 and TC 1.12 may be interested in participating
- b. Research (**Mittal**) – Not present
  - i. Galen mentioned that TC90.4 is working on a project looking at ESG, should TC5.07 join to look at water usage
  - ii. Water vs energy
    - 1. Regional sourcing issue
- c. Handbook (**Mathur**)
  - i. 2023 Updates.
    - 1. Edits of the section were provided. Some of the images should be cleaned up. Some of the images are not publish ready.
    - 2. GD made edits as well as others, which will be shared in the future.
    - 3. The edits will be shared with new and corresponding members and ballot vote for approval will be sent out
- d. Standards (**Graef**) – Not present
  - i. Standard 212 was just published, however there are two revisions.
  - ii. Pat's email is [pat.graef@att.net](mailto:pat.graef@att.net) to contact her regarding standards.
    - 1. Standard 133 has been published
  - iii. Standard 143 needs to be reviewed
- e. Website (**Miller**)
  - i. Website is updated. Meeting minutes are current.

## 11. Old Business

## 12. New Business

- a. Proposed conference paper for Tampa (June 2023) – Mike Scofield/Tom Weaver
  - i. Mitigation of airborne virus spread within the built environment through winter Adiabatic Humidification indoors using a high saturation efficiency device with VAV cooling systems to maintain a 40 F to 55 F Dew Point supply air delivery to the building during occupancy.
- b. How can TC5.7 help to address the growing concerns over water usage in evaporative cooling solutions?
  - i. Potentially propose a program for Chicago winter meeting
    - 1. Submission date is August 1<sup>st</sup> so would need to review and make a proposal before the Tampa meeting
- c. TC9.1 Large Building Air Conditioning Systems is proposing a forum for Tampa entitled: System options in Evaporative cooling prohibited locations
  - i. Is TC5.7 interested in co-chair or co-sponsoring?

## 13. Adjournment

- a. Moved for adjournment. Seconded.
- b. Adjourned at 6:24 PM PST