

ASHRAE, INC.
1791 Tullie Circle, NE / Atlanta, GA 30329
404-636-8400
TC/TG/TRG MINUTES COVER SHEET

TC/TG/TRG NO.: **TC 1.12**

TC/TG/TRG TITLE: **Moisture Management in Buildings**

DATE OF MEETING: **February 4, 2023, 1pm to 3pm**

LOCATION: **Hybrid/Omni CNN Center Atlanta, Cottonwood A (M1-North)**

[illegible]

TC 1.12 Moisture Management in Buildings
February 4, 2023, 1pm to 3pm
Atlanta Winter Meeting – Minutes

1. Call to order – Florian Antretter

The Chair called the meeting to order and read the TC 1.12 title and scope statement.

2. Self-introduction of members and guests

Those present in person and virtually introduced themselves.

3. Roll call – Diana Fisler

Eight of eleven voting members in attendance. Quorum was established. Prospective members to contact Diana Fisler, Membership Chair.

4. Review Agenda

Agenda was reviewed. No additions were made.

5. Approval of minutes from Summer 2022 meeting

Diana Fisler motions to approve, Danko Davidovic seconds. Seven votes, one abstention. Draft minutes will be posted to Basecamp and approved minutes will be posted to the ASHRAE website.

6. Chairman's report – Florian Antretter

- a. Corey Metzger, Section Head, encouraged TC members to reach out regarding additional TC needs.
- b. Liaison reports will be provided at the chair breakfast, including a discussion on decarbonization. Corey asked to provide information on how TCs can get involved in the review process.
- c. New Manual of Procedures is developed for Functional Groups.
- d. Proposed programs in the future based

7. Research – Wahid Maref

- a. Update on PMS 1844: Primary milestones have been completed, extension with no cost was requested to issue report by end of June 2023.
 - i. Vote for extension: Wahid Maref motions, Dave Finley seconds. No abstentions, no oppositions.
- b. Update on brainstorming sessions for future of TC 1.12 research- session was completed to classify research and develop primary focus topics. Individuals were identified to champion topics. Other individuals were encouraged to reach out to Wahid or sign up on distributed list to get involved.
 - i. Moisture Management in Construction: Danko Davidovic, Ed Light, Sam Taylor.
 - ii. Moisture/Health/Comfort: Carl Grimes and Peter Luttik. A seminar will be submitted for discussion, involving multidisciplinary experts from building envelope, mechanical, and medical.
 - iii. Risk Assessment Practitioner's Guide to Whole Building Moisture and Hygrothermal Analysis: Ifta, Fitsum Tariku, Dave Finley, Erika Bonfanti.
 - iv. Occupant Comfort/Health Experience: Carl Grimes, Florian Antretter.
 - v. New Materials/Products and their Effectiveness per Climate Zone: Related RTAR research on this topic will be posted to Basecamp.
 - vi. Building Retrofit Electrification and Effect on Moisture Management: Diana Fisler and Tugba Tunaoglu.
 - vii. New proposal added from Peter Luttik and Andre Desjarlais on identifying safe, climate-specific moisture levels for different building typologies. Intent is to write an RTAR and obtain letter ballot approval from TC 1.12.
 - viii. Attendees were encouraged to propose RTAR or research ideas at any time; possible topics can be uploaded to Basecamp for further discussion.

- c. Peter Luttik asked TC 1.12 to co-sponsor research topic with TC 8.10: Possible Energy Savings from Demand Control Ventilation.
 - i. Fitsum Tariku motions to co-sponsor, Carl Grimes seconds. Seven votes in favor, one abstention.

8. Handbook – Florian Antretter (Filling in for Simon Pallin)

- a. Update on HVAC Applications (Chapter 64) revisions: Updates were submitted for publishing. Included a guide indicating places in the handbook in which moisture is addressed and to identify weak areas.
- b. Next step is revisions to Fundamentals (Chapter 36). Will incorporate results from RP-1844 into this revision. Simon will set up a series of meetings for contributors; reach out to Simon or Florian to be added to the group.

9. Program – David Finley

- a. TC 1.12 does not have any approved sponsored programs. Programs of interest include Seminar 12: *Standard 62.1 IAQ*; Seminar 23: *Brace for it, the occupants are coming*; and Paper Session 14: *Thermal Comfort and IAQ in the Classroom*.
- b. Discussed proposed presentations and deadlines for Summer 2023 and in the future based on identified research topics. Submissions are due February 27, 2023.
 - i. Don Snell and Alexander Zhivov looking for a third speaker: Addressing challenges associated with sustainable design in Florida's hot and humid climate.
 - ii. Carl Grimes and Peter Luttik compiling speakers along with co-sponsorship from TCs 8.10 and 8.11: Occupant and moisture comfort.
 - iii. Wahid Maref leading a seminar for RP-1844 on interior moisture generation, with Eric Martin as a speaker. Requesting an ASHRAE 160 member to present as well.
 - iv. Ed Light providing content along with TC 5.7: Moisture Management with Portable Equipment.
- c. Suggestion to hold a brainstorming session to discuss topics and proposed seminars to keep in the queue for future conference tracks.
- d. Proposal for Chicago 2024: *Impacts of Building Retrofits on Occupant Behavior and Hygrothermal Moisture Management*. Pat Gilman, Chrissy Antonopolis presenters, Andre to chair and present. Call for additional presenters.
 - i. Dave Finley motions to approve proposal, Erika Bonfanti seconds. No oppositions, no abstentions.

10. Standards and Guidelines – Don Snell

- a. Update on review of ISO 22185-1 "Diagnosing moisture damage in buildings and implementing countermeasures": Part 2 is still with the working group and awaiting information from technical advisory group. Attendees interested in reviewing were encouraged to reach out. Focus of Part 3 is still in flux.
- b. Update on Standard 62.1 changes: Standards committee is pursuing an exemption to moisture control level for very dry climates. Updates will be posted for public review, members requested to provide comment. In addition, a conflict between 90.1 and 62.1 was resolved.
- c. Swamp Coolers: Diana Fidler posted on TC4.4 Basecamp for comment on evaporative coolers and moisture control.
- d. Alexander Zhivov requests vote to endorse document: *Guide for Resilient Energy Systems Design in Hot and Humid Climates*. Comments from TC1.12 input have been incorporated, to be published in February 2023.
 - i. Don Snell motions, Erika Bonfanti seconds. Eight votes in favor, zero abstentions.
 - ii. Florian Antretter to notify Cindy Michaels of endorsement.
- e. White House requested COVID standards from ASHRAE. The Epidemic Task Force was paused but Wade Conlan noted Standard 241P is compiling members. The Standard Project Committee (SPC) intends to meet on this topic; Don Snell will post updates to Basecamp. No apparent members from TC1.12 on 241P committee.

11. Old Business – none.

12. New Business

- a. Discussed recognizing the outstanding contributions of Lew Harriman through ASHRAE distinguished service award or similar means.
- b. Carl Grimes moves to pass a resolution of appreciation by TC 1.12 and the larger ASHRAE and global community for Lew Harriman, with the intent of communicating our appreciation of his long years of expert service and

leadership, his exceptional work on humidity control, and overall contribution to better-performing buildings. Dave Finley seconds. Seven votes in favor, no oppositions or abstentions.

13. Adjourn

- a. Dave Finley moves to adjourn, Carl Grimes seconds.

Next planned meeting: 2023 ASHRAE Summer Conference – Tampa, FL, June 24-28, 2023.

Minutes approved in 2023 summer meeting.