

ASHRAE, INC.
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TC/TG/TRG MINUTES COVER SHEET

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

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

DATE OF MEETING: **July 11, 2020, 1pm to 3pm**

LOCATION: **Zoom Virtual Meeting**

Voting Members Present	Corresponding Members Present and Guests
Christy Williamson	Philip Agee
Florian Antretter	Joseph Coen
Erika Bonfanti	Liju Eapen
Simon Pallin	Mehdi Ghobadi
Diana Fisler	Richard Peters
David Finley	Danko Davidovic
Wahid Maref	Andre Desjarlais
Donald Snell	Lew Harriman
Carl Grimes	Manfred Kehrer
	William Lee
	Ed Light
Absent:	Alexander McGowan
Stanley Gatland	Mikael Salonvaara
Paul Haas	Samuel Taylor
Norman Nelson	Fabio Clavijo
Fitsum Tariku	

TC 1.12 Moisture Management in Buildings
July 11, 2020, 1pm to 3pm
Virtual Summer Meeting ('Austin')

1. Call to order – Christy Williamson

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 introduced themselves. Attendees were recorded on the roster.

3. Roll Call – Membership

Nine of thirteen voting members attended. Quorum was established. Roster has been updated by Chair per previous comments.

4. Review Agenda

Agenda was reviewed.

5. Approval of minutes from Orlando 2020 meeting

Manfred Kehrer motions to approve, Diana Fisler seconds. No discussion, minutes are approved pending addition of voting members. Eight votes, zero abstentions (one voting member not yet present).

6. Chairman's Report – Reported by Diana Fisler

- a. Once a year, the TC should review its purpose and determine whether it should exist or combine with another. Discuss in new business how to differentiate ourselves from 4.4.
- b. ASHRAE technical nominations currently being accepted
- c. Continues to work on its 5-year strategic plan with two initiatives: built environment of the future, indoor EAQ.
- d. ASHRAE has established an academic task force and position documents.

7. Standards and Guidelines – Don Snell

- a. Lew Harriman: Updates to 62.1 dewpoint limit: make sure the system can maintain a maximum 60 dF dewpoint at all times, including unoccupied hours. Questions came up from 90.1 regarding how to maintain it from an energy perspective and does this intend to require a sensor in every room. Lew will respond. Published in June issue of ASHRAE Journal- article sent as a PDF.
- b. Don noted that ISO/TC 205 reached out regarding TC 1.12's review of their document- Diagnosing moisture damage in buildings and countermeasures. In Orlando, they were asked to provide comments to Part 1 of the standard. Those comments have been incorporated and the standard is on sale through ISO (and possibly ASHRAE). Part 2 is currently in review and under new development.

8. Special Publications – Lew Harriman

- a. The Special Publication *Damp Buildings, Human Health, and HVAC Design* is now on the ASHRAE sales website. Available at no charge, do not have to be an ASHRAE member to purchase. (Attached to minutes.)
- b. Because this report is now complete, the board of directors must now update the position document on *Limiting Indoor Mold and Dampness in Buildings*. Lew volunteers to be a chair on the revision committee- Christy motions, Manfred seconds. Vote to approve: Seven votes in favor, one abstention (one voting member not yet present).
- c. Lew responds to questions on the ETF 40% RH min for COVID-19. Others in ASHRAE currently studying these questions.

9. Research – Wahid Maref

- a. Update on URP-1844 – Estimating Internal Moisture Generation Rates in Occupied, New Homes in Hot Humid and Mixed Humid Climates. Field data collection for the remaining homes in the project is awaiting authorization after delays due to COVID. A technical paper is planned for submission on August 12, 2021 regarding this research, and the project completion is anticipated in February 2022. Wahid will organize a presentation for the next meeting.
- b. An RTAR discussed in the previous meeting, 'Characterization of residential indoor moisture generation based on survey and laboratory measurements,' will not be pursued independently due to lack of funding, but it will be incorporated into the Building America project.

- c. Wahid and Christy encouraged members to submit ideas for additional RTARs to Wahid. Wahid will organize a meeting with Florian to brainstorm.

10. Handbook – Simon Pallin

- a. Simon is setting up a group to discuss Chapters 36 and 64 and will send out a Doodle poll to determine a meeting date. The chapters that TCs 4.4 and 1.12 are responsible for must complement each other as far as their included information, depth, and breadth, to best inform the users. Brain Krafthefer will initiate contact with the handbook chair of TC 4.4 as well. The first goal will be to holistically review the information in the chapters and determine their future use.

11. Program – David Finley

- a. Dave reviewed programs of interest during the current virtual Austin conference. Seminar 8- Insights and Analysis on Moisture Control in Mid- and High-Rise Multifamily Buildings, co-sponsored by the Residential Building Committee. Jeff Acton was chair and Don Snell, Kimberly Llewellyn, and Peter Marciano were presenters. With a password, you can still watch these presentations online.
- b. Two tracks for Chicago/Winter 2021 Conference:
 - i. Track 4- *Environmental Health Through IEQ: "Idle Buildings are the Devil's Playground"*
 - ii. Track 7- *International Design: International Implications of ASHRAE Moisture Management Standards*
- c. Potential tracks for Phoenix/Summer 2021 Conference:
 - i. Track 5- *Design control and operation in critical environments*
 - ii. Track 8- *Hot, Hot, Hot: Humidity problems in hot, humid climates*. Identified Jeff Acton as potential presenter.
- d. Dave Finley proposes a vote: Submit for Tracks 4 and 7 in Chicago. Christy motions, Diana Fisler seconds. Nine votes for, no abstentions.
- e. Dave Finley moves to approve Track 5 and Track 8 in Phoenix. Manfred Kehrer seconds. Nine votes for, no abstentions.
- f. Dave notes that TC 1.12 is running low on possible topics for future seminars, so would like to brainstorm further in Chicago/Winter 2021.

12. Old Business – None.

13. New Business –

- a. Discussed re-creation of Position Document Standards Committee and voted Lew Harriman to chair the committee.
- b. Charge the committee to examine its scope and change its efforts accordingly as necessary. This may be best addressed by Florian at the next meeting, but there is now an opportunity to change the direction or focus moving forward. Suggestions included having a broader brainstorming session to identify the purpose and scope of the committee, then identify future research and presentations using purpose as a basis.
- c. Andre recommends review and compilation of a list of references related to moisture management in buildings to use as a basis for evaluation of the committee's purpose. Discussion on need to differentiate TC 1.12- mostly building enclosure professionals but some mechanical professionals.

14. Adjourn – Christy Williamson motions to adjourn. Manfred Kehrer seconds. Meeting adjourned.

Next planned meeting: Chicago, IL, January 25-27, 2021 (Virtual pending)

Minutes approved in ASHRAE Winter 2021 Virtual Conference on January 22, 2021; prepared by E. Bonfanti.