

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: **February 1, 2020, 1pm to 3pm**

LOCATION: **Lake Hart A (L), Hilton Orlando, FL**

Voting Members Present	Corresponding Members Present and Guests	Corresponding Members and Guests Cont'd
Christy Williamson	Lew Harriman	Mikael Salonvaara
Florian Antretter	Dave Finley	Michael Schmeida
Don Snell	Erika Bonfanti	Theresa Weston
Diana Fislser	Jayamalar Dorsey	Sarah Nikkel
Norm Nelson	Mehdi Ghobadi	John Ilovo
	Paul Haas	Stephen Duda
Absent:	Wahid Maref	John Bloemer
Fitsum Tariku	Darryl Joseph	Bruce Lindsay
Stanley Gatland	Rick Peters	Elliott Horner
Paul Shipp	Andrea Watts	Greg Tinkler
	Deborah Callaway	Duane Ekedal
	Danko Davidovic	Marli Moise
	Andre Desjarlais	Dave Morrow
	Carl Grimes	Bert Phillips
	Manfred Kehrer	Stephanie Reiniche
	Alexander McGowan	Drake Erbe
	William Lee	Fiona Aldous
	Ed Light (on phone)	
	Simon Pallin	
	Alejandro Nieto	

TC 1.12 Moisture Management in Buildings
February 1, 2020, 1pm to 3pm
Orlando, FL

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. The roster was passed around, attendees asked to check next to their name or add their name and email to the roster if not listed.

3. Roll Call – Membership

Five of eight voting members attended. Quorum was established. Although Carl Grimes was previously submitted as a voting member, this was not indicated on the roster, but he was present at the meeting which would bring the total voting member count to six. Clarification is needed as to whether this was a mistake or was not yet approved.

4. Review Agenda

Two changes were made to the current agenda: Fitsun was removed and replaced with Wahid as research chair. Diana Fisler was added as the new membership chair; she will administer revision of the roster.

5. Approval of minutes from Kansas City 2019 meeting

Norman Nelson motions to approve, Diana Fisler seconds. No discussion, minutes are approved. Five votes, zero abstentions.

6. Chairman's Report – Christy Williamson

Meeting is in the future (on 2/2/2020), nothing to report at this time.

7. Research – Wahid Maref

- a. In the PMS meeting on 1844 with Eric Martin (FSEC), it was reported that short-term results were analysed and the model was logged, but the group is asking for a year-long extension at no cost to align with the corresponding research by DOE/Building America on model homes, which has been delayed and extended by one year.
- b. RTAR 1718 Roof Shingles was terminated due to a lack of clarity on the objective.
- c. Two new RTARs were suggested, with Andre Desjarlais preparing the descriptions for the summer meeting. The first RTAR will involve measuring and modeling moisture buffering of materials in commercial and institutional buildings. The second RTAR is to determine the effect of air leakage and moisture performance on the building enclosure and systems.
- d. Wahid and Christy encouraged members to submit proposals for additional RTARs to Wahid.

8. Handbook – Simon Pallin

- a. Simon is the new Handbook Chair. TC 1.12 is responsible for Chapter 36 in Fundamentals and Chapter 64 in Applications. The Handbook sub-committee suggested major revisions to Chapter 36, focusing on the fundamentals purpose of the chapter and including some connection to Applications. A working group was created to restructure the chapter. Simon invited attendees to contact Christy, Erika, Diana, or himself to join the working group. To incorporate the revisions into the next publication, they must be approved by the TC by July 1, 2021. It is likely that this deadline is not attainable, so the edits will be incorporated into a future publication.

9. Program – Dave Finley

- b. Dave reviewed programs of interest during the current winter conference in Orlando. Don Snell is the chair of a Seminar on Common Mistakes Architects, Engineers, and Contractors Make Regarding Moisture Control and IAQ on February 2, 2020.
- c. Two Paper Sessions of interest are also scheduled for February 2, 2020: Ventilation for Multi-Unit and High-Rise Buildings and Indoor Environmental Quality with an Emphasis on Thermal Comfort.
- d. The deadline for submitting papers and seminars for the Austin summer conference is February 10, 2020. The sub-committee suggested tailoring an existing abstract to one of the conference tracks entitled The Convergence of Comfort, IAQ, and Energy Efficiency. The proposed Seminar will be chaired by Don Snell with Norm Nelson serving as an on-site chair. Proposed speakers are Kimberly Llewellyn, Marco Peters, and Jeff Acton.
- e. The sub-committee also proposed two possibilities for future conference seminars- Implications for condensation and moisture damage in buildings, with Diana as chair, which ties in with Track 7, and International implications of ASHRAE moisture management standards, with Florian as potential chair. Suggested presenters will be contacted.
- f. It was noted that Don and Norm have been taking on most of the workload related to chairing seminars, and invited attendees to help or contribute ideas for future seminars.

10. Standards and Guidelines – Don Snell

- a. Don noted that ISO/TC 205 reached out regarding TC 1.12's review of their document- Diagnosing moisture damage in buildings and countermeasures. The sub-committee pursued an answer to two questions: does TC1.12 want to take a formal position on the document and if so, what do we wish to contribute or oppose with regards to content. The consensus was that yes, TC 1.12 does want to be involved in review and would like to contribute to future parts of the document, including adding appropriate ASHRAE references, but will not be contributing to Part 1 which is primarily terminology and definitions. The draft document is available to everyone in TC 1.12; comments can be submitted directly to ISO if desired and do not need to route through TC 1.12. Don read the opening sentences from the proposed standard to attendees.
- b. Christy will confirm the dates for comments and response with the ISO representative.
- c. Fiona noted that the ANSI/ASHRAE committee responsible for delegation to ISO joint TC 205/163 meets February 4 in Lake Lucerne room, 1-3:30pm, and invites attendees to attend and become more involved, or chat with her about implications on an international level.
- d. It was suggested that this standard should also be provided to TCs 4.3 and 4.4 for review and comment.

11. Special Publications – Lew Harriman

- a. Lew presented a published update to Standard 62.1- establishment of a new dewpoint limit of 60 dF/15 dC during unoccupied periods for ventilation in mechanically-cooled buildings under Paragraph 5.10. This requirement was developed through a multidisciplinary task group which included Robert, a public health investigator, to align it with occupant health as well as building performance and durability.
- b. Christy notes that 62.2 handles residential requirements and 62.1 handles commercial; 62.1 is widely adopted through building codes but 62.2 is not, and does not have an equivalent limit.
- c. An update was provided by the multidisciplinary task group organized to take a position on indoor mold and dampness in buildings at the request of ASHRAE. The initial request was to define a building which is 'too damp' for occupancy, but the result was instead identification of building characteristics which have previously created health consequences for building occupants. four main building types were established, and the document described how to identify if a building was on the cusp of 'too damp.' The report was sent to TAC in 2016, who initially considered creation of a standard based on this document. Instead, it will be published as a free Special Publication (likely in March) and purchasable finished document by the June 2020 meeting. Lew further discussed the importance of the document and why, ultimately, it arrived at descriptions and not a definition.

12. Special Guests

- a. Guests were welcomed, including representatives of ISO 205: Stephanie Reiniche, Director of Technology at ASHRAE, and Drake Erbe, Chair of ISO/TC205, 90.1, and ISO TC 163. They note that TC 1.12 was approached

for comment on the new ISO standard with the goal of establishing the US position to represent in the international community, and they would like to set up a continued collaboration on the document in the future. ISO TC 163 is the voting body for these standards, and feedback will factor into the vote. In the future, requests for review will be sent at least 4 months in advance of voting to give time for receiving comments.

13. Old Business – None.

14. New Business –

- a. The submittal for ‘Moisture Management During Construction’ has been delayed and will not be provided to the technical group at this time; however, the group will continue to work on it.
- b. Mika Solanvaara is starting as the new Chair of 8.12 since combination of 8.10 and 8.12, creating a committee on all dehumidification equipment. He asks the group to consider whether further combination should happen for all equipment needed to manage humidity.
- c. SGPC10 ‘Influences Affecting Acceptable Indoor Environment’ is hosting a forum on February 2 on defining health. It is the second of two forums thus far. Carl Grimes will be giving a presentation on how health affects buildings and buildings affect health at 10-12pm in Lake Down room.

15. Presentations – planned: Lew Harriman

- a. Lew Harriman gave a mini-presentation on improving building codes by changing an ASHRAE Standard with example of the change to 62.1.

16. Adjourn – Wahid Maref motions to adjourn the meeting.

Next meeting: Austin, TX - Saturday, June 27, 2020, 1-3pm

Minutes approved in ASHRAE 2020 Virtual Conference meeting on July 11, 2020; prepared by E. Bonfanti.