**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: **January 28, 2017, 1pm to 3pm**.

LOCATION: **Forum 19, Caesars Level, Caesar’s Palace, Las Vegas, NV**

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| **Voting Members Present** | **Corresponding Members Present** | **Corresponding Members Cont’d** |
| George Dubose (via telephone) | Lew Harriman | Fiona Aldous |
| Hugo Hens | Carl Grimes | Steven Welty |
| Fitsum Tariku | Lan Chi Nguyen Weekes | Jairam Fenton |
| Mikael Salonvaara | Christopher Martinez | David Finley |
| Theresa Weston | Paul Shipp | Douglas Sick |
| Florian Antretter | Alejandra Nieto | Manalee Nabar |
| Christine Cronin | Roderick Jackson | Deborah Callaway |
| Stan Gatland | Diana Fistler | Michael Schmeida |
| Ed Light | Ray Patenaude | Carsen Banister |
| Norm Nelson | Roger Morse | Rick Peters |
| Manfred Kehrer | Danko Davidovic | Bill Morton |
|  | Bill Lee |  |

**TC 1.12 Moisture Management in Buildings**

**January 28, 2017, 1pm to3pm.**

**Las Vegas, NV**

1. **Call to order – Lan Chi Nguyen Weekes, Co-Chair**

The Co-Chair called meeting to order and read the TC 1.12 title and scope statement. Chair George DuBose, who had called-in to the meeting but was not present in Las Vegas, indicated that Co-Chair Lan Chi Nguyen Weekes and Secretary Christy Cronin would be leading the meeting.

1. **Self-Introduction of members and guests**

Those present introduced themselves. Eleven voting members were in attendance (including chair George DuBose via telephone). Quorum was established.

1. **Review Agenda**

No changes were made to the agenda.

1. **Approval** **of minutes from St. Louis 2016 meeting**

Minutes had been posted to the TC 1.12 website. Hugo Hens moved moved to approve the minutes. Fitsum Tariku seconded. *Minutes approved (10 in favor, 1 abstention, 0 opposed).*

1. **Chairman’s Report – George DuBose**

George DuBose directed the committee to the TC 1.12 website, and stated that the best way to be added as a corresponding member or to update information included in the committee rooster is through the website.

1. **Research – Fitsum Tariku**
   1. *Multidisciplinary Task Group “Damp Definition”* – The task group’s report was distributed in the previous subcommittee meeting (St. Louis). Fitsum Tariku reminded the committee that the report had been approved by TAC. Lew Harriman stated that the committee’s next step is to develop a formal ASHRAE guideline. There are a number of stages of development for this guideline that involve soliciting public comments. Christy Cronin indicated that interested parties may attend the subcommittee meetings for status updates and to offer comments. She also noted that this item will be discussed in future committee meetings during the “Standards” section of the meeting, which will be re-named “Standards and Guidelines”.
   2. *DOAS design guide 1712-RP* – That this endeavor included three deliverables: a book, a seminar, and a condensed version for a new handbook chapter for 2020*.* The design guide has been approved for publication. The development of a handbook chapter for TC 8.1 to review is in progress.
   3. *Pool evaporation work statement (WS-1566)* – No update. This will be removed from the list since there has been no activity for several years.
   4. [*1718-WS: Development of a method to determine the moisture transport properties of a roof shingle system under real conditions*](https://sites.google.com/site/ashraetc112/home/research-page-1/co-sponsorshipupdateon1718-rtardevelopmentofamethodtodeterminethemoisturetransportpropertiesofaroofshinglesystemunderrealconditions) – Manfred Kehrer is working on this*.*
   5. *RTAR: A method to determine residential whole home dehumidification capacity requirements.* TC 1.12 (TC 8.10 co-sponsor) – Redevelopment of this RTAR is ongoing. The RTAR will propose taking actual measurements and gathering data*.*
   6. *RTAR 1761 Modeling Water Vapor Permeation in Pipe Insulation (TC 1.8)* –Manfred Kehrer is pursuing a re-write to refine the RTAR.
   7. Potential new RTARs (Research Topic Acceptance Request) – The following topics are of interested to the subcommittee, but do not yet have a “champion” to commit to their ongoing development. They will remain on the list as topics of interest:
      1. Techniques for Limiting Indoor Dampness and Microbial Growth During Unoccupied Hours and In Buildings That are Seasonally Occupied
      2. Humidity Loads Generated in Non-residential Buildings
      3. Moisture Generation Loads in Residential Buildings – Simon Pallin and Fitsum Tariku are interested in pursuing this area of study
      4. Techniques for Limiting Indoor Dampness and Microbial Growth in Heritage and Special-purpose Buildings
      5. Measured water activity and drying
2. **Handbook – Hugo Hens, Lew Harriman** 
   1. Lew Harriman is to be the new Handbook chair. The committee thanks Hugo Hens for his many years of dedicated service.
   2. Handbook of Fundamentals Chapter (2017) – Chapter XX will be published in the next edition and is still awaiting a chapter number.
   3. Handbook of Applications – Chapter 62 will need to be formally reviewed and edited for the next printing in 2019). Lew Harriman invited interested parties to the next subcommittee meeting where the chapter will be projected on the wall and the committee will go through it section by section, discussing areas that need revision or elaboration.
3. **Program – Norm Nelson**
   1. Norm Nelson highlighted the programs of interest during this ASHRAE conference
   2. Discussion of possible topics for future conferences. Norm Nelson noted the new debate format as a potentially interesting way of exploring a topic and the committee brainstormed on several topics that might lend themselves well to a debate format (such as PTACs and humidity control). The next subcommittee meeting will include a brainstorming session for debate topics for the Chicago and Houston meetings.
4. **Standards and Guidelines –** Christy Cronin is temporarily reporting on Standards since the Standards Chair Jeff Traylor has not been present for several meetings. During the subcommittee meeting Simon Pallin provided an update on Standard 160, indicating that a revised version has just been published. This section will henceforth include updates on the following guidelines:
   1. Guideline for Assessing and Eliminating Health Relevant Dampness in Buildings: Title, purpose and scope document has been prepared and is being submitted to the ASHRAE Standards Committee for approval
   2. Guideline for the Management of Moisture During Construction: a draft of this guideline has been prepared by Ed Light, but Ed is unsure of what stage (if any) the guideline is in the formal ASHRAE guideline approval process. Paul Shipp is to assist him.

1. **Special Publication -** Christy Cronin stated that this part of the agenda previously covered the development of guidelines. This will now be discussed in the “Standards and Guidelines” portion of the agenda, and during the Standards subcommittee meeting.
2. **Old Business – Lan Chi Nguyen Weekes**

There was no old business to report

1. **New Business and Announcements – Lan Chi Nguyen Weekes**

No new business was discussed.

1. **Adjourn –** Lew Harriman moved to adjourn the meeting.

***Next meeting: Long Beach, CA, Saturday June 24, 2017 – 1pm-3pm***

***Minutes prepared by C. Cronin***