

**ASHRAE TC 1.12
Moisture Management in Buildings
Full Committee Agenda**

2025 ASHRAE Summer Meeting, Phoenix

Subcommittee Meeting

Saturday 6/21/2025, 8:00 AM - 12:00 PM EDT

Phoenix Convention Center North Building,

222A (Level 2) [Hybrid](#)

<https://us06web.zoom.us/j/85206552864?pwd=ZY4barf8boDYH9UVZdBZLbSlfAjS1c.1>

Main Committee Meeting:

Saturday 6/21/2025, 1:00 PM - 3:00 PM EDT

Phoenix Convention

Center North Building,

222A (Level 2)

[Hybrid same Zoom link](#)

1. Call to order

Carl Grimes

- 2. Review Scope** TC 1.12 is concerned with the interaction between the weather, the building envelope, its systems and its occupants which either lead to moisture accumulation or which prevent it.

3. ASHRAE Code of Ethics Commitment

Carl Grimes

"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

- a.** Determination of a quorum

David Baird

VOTING MEMBERS FOR THIS MEETING (Need (6) or ½+1 for a Quorum)

Carl Grimes	07/01/2025
Erika Bonfanti	06/30/2024
Dave Finley	06/30/2024
Wahid Maref	06/30/2024
Don Snell	06/30/2027

Deborah Callaway	06/30/2025
Danko Davidovic	06/30/2026
Paul Haas	06/30/2024
Ed Light	06/30/2025
Mikael H Salonvaara	06/30/2026

5. Agenda additions

All

6. Chair's Report

Carl Grimes

- a.** Chair's Goals and Announcements

7. Approval of minutes from Hybrid Orlando Meeting

Carl Grimes

8. Membership/Roster

Diana Fisler

Starting August 1st: 2023 (All voting members and/or subcommittee chairs)

Name	Role	Voting	Name	Role	Voting
Carl Grimes	Chair	Yes	Deborah Callaway		Yes
Erika Bonfanti	Vice Chair	Yes			
David Baird	Secretary	No	Paul Haas		Yes
Wahid Maref	Research Chair	Yes	Ed Light		Yes
Don Snell	Standards Chair	Yes	Mikael H Salonvaara		Yes
Danko Davidovic	Handbook Chair	Yes			
Dave Finley	Program Chair	Yes			
Neil	Webmaster	No			

9. Subcommittee reports

a. Programs

Dave Finley

Programs will be giving updates on seminars of interest and discussing tracks for future conferences, as well as looking for proposed seminars and topics for those tracks

b. Research

Wahid Maref

Research will be updating on the TC 1.12 vote on RP 1844 and other updates on the project, as well as any progress on the identified topics from previous meetings.

c. Handbook

Danko

Newly assigned, and will be updating us on the approaching deadline for revisions.

d. Standards

Don

Standards will be updating on the current and pending standards activities.

e. Web site

Neil

Neil is the incoming Webmaster, requesting information for content.

10. Old Business

- a. Andre and Erika Bonfonti to review (for eventual vote) an RTAR on construction moisture.
- b. The original committee of the MTG publication on Damp Buildings, Human Health, and HVAC Design is in the process of reviewing and updating the document according to the definitions and descriptions of moisture as approved by Guideline10-2023 Addendum a.
- c. The PD Managing Moisture and Mold has pending actions:
 - i. Update the 62.1 reference to 62.1-2022.
 - ii. Seeking a work group to update the document according to the definitions and descriptions of moisture as approved by Guideline10-2023 Addendum a.
- d. Update on the submission of the moisture definitions to TC 1.6 for inclusion in the official ASHRAE glossary.
 - i. Attachment A and B.

11. New Business

12. Adjourn

Attachment A

Email instructions from Art H for submitting definitions for inclusion in ASHRAE Glossary.

The focus of this effort is the harmonization of humidity terms using GDL10-2023a as a focal point of good definitions. At this point, TC 1.6 is seeking your thoughts as a subject matter expert of the terms GDL 10 uses.

By you, we mean you should represent the consensus of "ASHRAE's humidity experts" and this group, thru you, can advise TC 1.6 on recommended changes to Terms Online.

I have attached 2 files. A word list of the GDL10-2023 Addendum A and an updated custom 1.67 working file.

By custom, I mean it contains a new Col E which denotes terms that equal or are close to the 10-2023 Addendum word file terms. I tried to use excel advanced filtering many different ways to cull the list and it does not work. (The adjective may be behind the noun, there are over 10000 unique terms in the working file and the excel function stops at 10,000, excel filtering one by one is very tedious - a simple slip of the check boxes deletes them all.)

So bottom line. filter this working file by col E and I think you will find the terms of interest.

Next, look at the term source and the pubcode.

Code 2 is an ASHRAE peer reviewed definitions or TC 1.6 created ones.

Code 3 is ASHRAE non-peer reviewed.

Code 8 and 8a are external definitions.

Code 9 is any are history ones.

Code 1 is a TERMS ONLINE definition. It is the published harmonized ASHRAE definition. What 1.6 is interested in is any changes, additions or deletions to the pubcode 1 terms.

Example: There are a few terms in GDL 10 that are unique. You could safely recommend them for pub code 1 status.

If there are multiple definitions and a pubcode 1 definition, could the pubcode 1 be improved? TC 1.6 could use this input.

Note: ASHRAE's Glossaries do not include "notes". I had to delete them. I can send you G. Kerr's "How to create a good definition" if you would like it. It is a good document and TC 1.6/ASHRAE uses it.

Looking forward to your input. If TC 1.6 can get your input in early June we can discuss it at the Phoenix June Meeting. If not, it can be done after the June meeting.

Art Hallstrom, P.E. FASHRAE

Attachment B

tc_6 working file internal v25.05.17.xlsx Partial list for information only

Terms Online	y	absolute humidity	In a mixture of water vapor and dry air, the ratio of the mass of water vapor to the volume occupied by the mixture.
S041.6 2021	y	absolute humidity	in a mixture of water vapor and dry air, the ratio of the mass of water vapor to the total volume of the sample.
ASHRAE Blue Book 1991	y	absolute humidity	In a mixture of water vapor and dry air, the ratio of the mass of water vapor to the volume occupied by the mixture.
TC16	y	absolute humidity	mass of water vapor present per unit mass of dry air.
TC16	y	absolute humidity	see water vapor density
G10-2023_A	y	absolute humidity	the weight of water vapor contained in a unit volume of air, expressed as milligrams of water vapor per cubic centimeter of air.
NISTIR 5329 1994	y	absolute humidity	ratio of the mass of water to the total mass of a moist air sample.
S041.6 2014	y	absolute humidity	in a mixture of water vapor and dry air, the mass of water vapor in a specific volume of the mixture.
Terms Online	y	condensation	change of state of a vapor into a liquid by extracting heat from the vapor.
ASHRAE Blue Book 1991	y	condensation	change of state of a vapor into a liquid by extracting heat from the vapor.
S145.1 2024	y	condensation	change of state of a vapor into a liquid by extracting heat from the vapor.
TC16	y	condensation	change of state of a vapor into a liquid by extracting heat from the vapor.
G10-2023_A	y	condensation	the conversion of water vapor in the air to liquid water on a surface that is at or below the dew-point temperature of the surrounding air.
NAFA 2021	y	Condensation	Liquid or droplets that form when a gas or vapor is cooled below its dew point.
Terms Online	y	condensation point	temperature at which a vapor liquefies if the latent heat is removed at standard or stated pressure. See also [[dew point]]; [[saturation temperature]]; [[boiling point]].
TC16	y	condensation point	temperature at which a vapor liquefies if the latent heat is removed at standard or stated pressure. See also [[dew point]]; [[saturation temperature]]; [[boiling point]].
S062.2_2022	y	contaminant	a constituent of air that may reduce acceptability of that air.
G28_2021	y	contaminant	an airborne constituent that may reduce acceptability of the air.
G28_2021	y	contaminant	an airborne constituent that may reduce acceptability of the air.
G33_2021	y	contaminant	an airborne gas, particle, or liquid droplet of interest that is represented within an analysis tool.
	y		an unwanted airborne constituent with the potential to reduce acceptability of the air.
S062.1 2022	y	contaminant	any physical, chemical, biological, or radiological substance or matter in water.
S014_2023	y	contaminant	any physical, chemical, biological, or radiological substance or matter in water.
S514_2023	y	contaminant	any physical, chemical, biological, or radiological substance or matter in water.
G10-2023_A	y	contaminant	see pollutant.
S161 2023	y	contaminant	an airborne constituent that may reduce acceptability of the air.
S189.1 2023	y	contaminant	see ANSI/ASHRAE Standard 62.1.
ASHRAE Handbook E33 2013	y	Contaminant	An unwanted airborne constituent that may increase the health risks and reduce acceptability of the air.
TC16	y	contaminant	substance (solid, liquid or gas) that negatively affects the intended use of a gas
IECC_2021	y	contaminant	see ANSI/ASHRAE Standard 62.1.
NAFA 2021	y	Contaminant	An unwanted airborne constituent that may reduce acceptability of the air.
	y		a constant of proportionality relating the rate of convective heat transfer at a surface to the temperature difference across the air film on that surface.
S062.2 2016	y	contaminant	a constituent of air that may reduce acceptability of that air.
G24_2008	y	contaminant	a constituent of air that may reduce acceptability of that air.
G24_2015	y	contaminant	a constituent of air that may reduce acceptability of that air.
S062.2 2019	y	contaminant	a constituent of air that may reduce acceptability of that air.
G28_2016	y	contaminant	an airborne constituent that may reduce acceptability of the air.
S161 2007	y	contaminant	an airborne constituent that may reduce acceptability of the air.
S161 2013	y	contaminant	an airborne constituent that may reduce acceptability of the air.
S161 2018	y	contaminant	an airborne constituent that may reduce acceptability of the air.
	y		an airborne gas, particle, or liquid droplet of interest that is represented within an analysis tool.
G33_2013 (RA 2016)	y	contaminant	an airborne gas, particle, or liquid droplet of interest that is represented within an analysis tool.
G33_2013 (RA 2016)	y	contaminant	an airborne gas, particle, or liquid droplet of interest that is represented within an analysis tool.

S062.1 2010	y	contaminant	an unwanted airborne constituent that may reduce acceptability of the air.
S062.1 2016	y	contaminant	an unwanted airborne constituent with the potential to reduce acceptability of the air.
S062.1 2019	y	contaminant	an unwanted airborne constituent with the potential to reduce acceptability of the air.
S189.1 2014	y	contaminant	see ANSI/ASHRAE Standard 62.1.
S189.1 2017	y	contaminant	see ANSI/ASHRAE Standard 62.1.
ISO 29464 (FDIS 2023)	y	contaminant	substance (solid, liquid or gas) that negatively affects the intended use of a gas
	y		an unwanted airborne constituent with the potential to reduce the quality of air. A substance introduced into the tunnel environment that has deleterious effects.
S217 2020		contaminant (pollutant)	the temperature at which moist air becomes saturated (100% relative humidity) with water vapor when cooled at constant pressure.
NISTIR 5329 1994	y	Dewpoint temperature	temperature of moist air saturated at pressure p , with the same humidity ratio W as that of the given sample of moist air. It is defined as the solution $t_d(p, W)$ of the equation: $W_s(p, t_d) = W$
Terms Online		dew-point temperature	
	y		
S023_2022		<i>dew-point temperature</i>	a vapor-liquid equilibrium point for a pure liquid or for a multicomponent mixture of miscible, pure components, in the absence of noncondensables, where the temperature of the mixture at a defined pressure is the maximum temperature required for a liquid drop to form in the vapor.
	y		