ASHRAE Shaping Tomorrow's Built Environment Today

Volume XII, Issue 28

July 22, 2022

STANDARDS ACTIONS

PUBLIC REVIEW—CALL FOR COMMENTS

Constructive comments are invited for the following Public Review Drafts at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts. All activity for reviewing and commenting on public review drafts can be accomplished completely online. To obtain a paper copy of any Public Review Draft contact ASHRAE, Inc. Attn: Standards Public Review, 180 Technology Parkway, Peachtree Corners, GA 30092, or via email at: standards.section@ashrae.org. **Note: Paper copies are available for $35.00/copy if 100 pages or less and $45.00 if over 100 pages.**

30-day Public Review from July 22, 2022, to August 21, 2022

- **1st Public Review of BSR/ASHRAE Addendum *ag* to ANSI/ASHRAE Standard 34-2019, *Designation and Safety Classification of Refrigerants***

This proposed addendum revises the submission instructions to remove the requirement for applications for designation and safety classification of refrigerants to be submitted in print format, and clarifies that applications are to be submitted in electronic format only.

- **2nd Public Review of BSR/ASHRAE Addendum e to ANSI/ASHRAE Standard 62.1-2019, *Ventilation for Acceptable Indoor Air Quality***

Section 5.10 of ASHRAE Standard 62.1-2019 now instructs designers of ventilation systems to provide equipment and controls that limit the indoor air dew point to a maximum of 60°F (15°C) during both occupied and unoccupied mode operation. However, the dampness and mold problem sometimes also occurs in buildings cooled by direct evaporation into the supply air. At present, Std 62.1 does not address these risks. In light of that concern, the 62.1 committee is considering the most appropriate way for designers to limit humidity in buildings and spaces served by direct evaporative cooling equipment. Limiting the indoor RH rather than the dew point would be a more energy-appropriate strategy. Proposed Addendum e adds a new Section 5.11 for direct evaporatively cooled buildings.

PUBLIC REVIEW—CALL FOR COMMENTS

- **1st Public Review of BSR/ASHRAE Addendum *L* to ANSI/ASHRAE Standard 62.1-2019, *Ventilation for Acceptable Indoor Air Quality***

This proposed addendum seeks to address emerging UV technologies that are capable of emitting specific wavelengths of light near to the current 185nm restriction that also produce ozone. The specific requirement is based on the ASHRAE Position Document on Filtration and Air Cleaning, which indicates that lamps that produce ozone are broadly categorized as those that emit wavelengths less than 200 nm. Definitions of listed and labeled have also been provided to clarify that any national testing laboratory that lists and labels products may certify the performance to a listed standard, this includes not just UL-2998, but all other standards listed within the document.

- **1st Public Review of BSR/ASHRAE Addendum *m* to ANSI/ASHRAE Standard 62.1-2019, *Ventilation for Acceptable Indoor Air Quality***

Healthcare facilities often have a mixture of spaces within the scope of Standard 170 and Standard 62.1. Section 6.2.4.1.3 created a conflict with ASHRAE/ASHE Standard 170 since it required the application of diversity and ventilation efficiency to healthcare. In addition, there was no clear direction in Standards 62.1 and 170 on how to calculate the total outdoor air at the system levels for systems serving both 170 and 62.1 spaces. A working group of members from both SSPC170 and SSPC62.1 investigate the use of 4 possible calculations methods and selected the most appropriate method which was tested on 14 actual healthcare projects. The method was issued in Addendum f of Standard 170. This proposed addendum is issued in conjunction to allow this new method under Standard 62.1.

- **1st Public Review of BSR/ASHRAE Addendum *n* to ANSI/ASHRAE Standard 62.1-2019, *Ventilation for Acceptable Indoor Air Quality***

This proposed addendum adds a new Section 6.3.4 Air Cleaning. The Indoor Air Quality procedure (IAQP) requires that a mass balance calculation be performed. Any mass balance that includes filtration or air cleaning requires a particle filtration efficiency or gaseous removal efficiency. This proposed addendum requires that the efficiencies of these devices be tested to current standards. However, with no specific testing requirements, there is no assurance that designs will work.

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- **1st Public Review of BSR/ASHRAE/IES Addendum *cy* to ANSI/ASHRAE/IES Standard 90.1-2019, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

This addendum updates the reference to Standard 90.4, Energy Standard for Data Centers, to reflect the latest publication.

45-day Public Review from July 15, 2022, to August 29, 2022

- **4th ISC Public Review of BSR/ASHRAE Standard 205P, *Standard Representation of Performance Simulation Data for HVAC&R and Other Facility Equipment* (Fourth ISC Public Review Draft)**

The purpose of ASHRAE Standard 205-202x is to facilitate automated sharing of equipment performance characteristics by defining data models and data serialization formats.

NEW PROJECTS—CALL FOR COMMENTS

Constructive comments are invited on the Title, Purpose, and Scope (TPS) for the following newly approved projects. TPSs for public comment can be accessed by going to ASHRAE's website at: https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts. To obtain a paper copy of any TPS draft, contact ASHRAE Inc, Attn: Standards Section, 180 Technology Parkway, Peachtree Corners, GA 30092, or email at: standards.section@ashrae.org. Note: paper copies are available for $35.00 per copy if 100 pages or less and $45.00 if over 100 pages.

30-day Public Review from July 22, 2022, to August 21, 2022

- **1st TPS Public Review of BSR/ASHRAE Standard 145.5P, *Method of Test for Assessing the Gas-Phase Performance of Air Cleaning Devices and Systems in a Duct-Chamber Apparatus***

This proposed standard is intended to provide a laboratory test method for evaluating air cleaning devices for challenge gas removal in a combined duct-chamber system with continuous recirculation.

NEW PROJECTS—CALL FOR COMMENTS

- **1st TPS Public Review of BSR/ASHRAE Standard 185.5P, *Method of Testing HVAC-duct mounted Devices and Systems and In-Room devices for Particle and Microorganism Removal or Inactivation in a Chamber with a Recirculating Duct System***

The standard provides a method of test for evaluating in-room HVAC-duct mounted devices and in-room devices and systems for particle and microorganism removal or inactivation in a chamber with a recirculating duct system.

NEW REVISION PROJECTS APPROVED

Standards Committee approved the following new revision projects. The TPSs for these projects are not available for public review comment at this time. If you would like to comment, please email Connor Barbaree at: Standards.Section@ashrae.org.

- **ASHRAE Guideline 32-2018R, *Management for Sustainable, High Performance Operations & Maintenance***

NEW PROJECTS—CALL FOR MEMBERS

A *Call for Members* is announced for the following new project committees. Persons who are interested in serving on these ASHRAE committees are asked to indicate their interest by completing the online membership application forms listed under Instructions for New Applicants at https://www.ashrae.org/pcmemberapp or by contacting Connor Barbaree at: ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092; phone: 678-539-1138; fax: 678-539-2138; email Standards.Section@ashrae.org.

- **ASHRAE Guideline 32-2018R, *Management for Sustainable, High Performance Operations & Maintenance***

1. Purpose

The purpose of this guideline is to provide guidance to achieve, maintain, and continuously enhance sustainable, high performance buildings and building systems and assemblies through operations and maintenance (O&M) practices at lowest economic and environmental life cycle cost

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NEW PROJECTS—CALL FOR MEMBERS

while maintaining safety, indoor air quality (IAQ), and functionality, including productivity.

2. Scope
This guideline applies to the ongoing operational practices for building assemblies and systems, particularly with respect to energy efficiency, water consumption, productivity, occupant comfort, indoor air quality (IAQ), health and safety.

- **Standard 145.4P,** ***Method of Test for Assessing the Gas-Phase Performance of Air Cleaning Devices and Systems in a Duct-Chamber Apparatus***

Purpose:
To provide a laboratory test method for evaluating air cleaning devices for challenge gas removal in a combined duct-chamber system with continuous recirculation.

2. Scope:
2.1 This standard specifies a duct-chamber test method for measuring the performance of in-duct and in-room air cleaning devices with continuous recirculation through the duct and chamber.
2.2 The test method measures the performance of air cleaning devices for removing challenge gases.
2.3 This test method is conducted at elevated challenge gas concentrations (relative to ventilation applications) and therefore should be used to compare devices rather than directly predict performance in real world applications. The challenge gas and likely byproducts will be measured over time.
2.4 Air cleaner performance is defined as the total impact of the air cleaner on the challenge gas in the chamber air and including any gaseous or particulate byproducts.
2.5 This standard provides performance specifications for the equipment and measurements required to conduct the test method, defines procedures for calculating and reporting results and provides a results reporting system.
2.6 This standard does not address the health and safety effects of operating devices and systems in an occupied room.

Note: Apply to SSPC 145

NEW PROJECTS—CALL FOR MEMBERS

- **Standard 185.5P,** ***Method of Testing HVAC-duct mounted Devices and Systems and In-Room devices for Particle and Microorganism Removal or Inactivation in a Chamber with a Recirculating Duct System***

Purpose:
The standard provides a method of test for evaluating in-room HVAC-duct mounted devices and devices and systems for particle and microorganism removal or inactivation in a chamber with a recirculating duct system.

2. Scope:
2.1 The method of test specifies specific particle or selected indicator microorganisms in the test chamber and defines procedures for generating the particles or bioaerosols required for the method of test.
2.2 This standard provides a method for counting the number of specific particles or viable microorganisms in the chamber to calculate the elimination efficiency for each specific particle or microorganism.
2.3 This standard establishes minimum performance specifications for the equipment required to conduct the tests, defines test methods as well as the calculation and reporting of results obtained from the test data, and establishes a reporting system to be applied to HVAC-duct mounted devices and in-room devices and systems covered herein.
2.4 This method of test requires a chamber with a recirculating duct system.
2.5 This standard does not address the health and safety effects of operating devices and systems in an occupied room.

INTERIM MEETINGS

A complete listing of project committee interim meetings is provided on ASHRAE's website at: https://www.ashrae.org/technical-resources/standards-and-guidelines/project-committee-interim-meetings.

- **SSPC 100,** ***Energy Efficiency in Existing Buildings,*** will hold web meetings on the following dates and times:
  - ⇨ August 10, 2022 from 2:00 pm to 4:00 pm (Eastern)
  - ⇨ August 31, 2022 from 3:00 pm to 5:00 pm (Eastern)

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INTERIM MEETINGS

- ⇨ September 8, 2022 from 2:00 pm to 4:00 pm (Eastern)
- ⇨ September 12, 2022 from 4:00 pm to 6:00 pm (Eastern)
- ⇨ September 21, 2022 from 3:00 pm to 5:00 pm (Eastern)

For additional information contact Wayne Stoppelmoor, Chair of SSPC 100 (wayne.stoppelmoor@se.com).

- ♦ **SSPC 135, BACnet - A Data Communication Protocol for Building Automation and Control Networks,** will hold an in-person interim meeting October 24-28, 2022 on the campus of Georgia Tech in Atlanta, GA. For additional information contact Coleman Brumley, Chair of SSPC 135 (coleman.brumley@outlook.com),

JOIN A LISTSERVE

Click on the following link to learn more about ASHRAE Standards Activities https://www.ashrae.org/listserves.

- ⇨ SSPC 41 — Standard Methods for Measurement
- ⇨ SSPC 62.1 — Ventilation for Acceptable Indoor Air Quality
- ⇨ SSPC 62.2 — Ventilation and Acceptable Indoor Air Quality in Residential Buildings
- ⇨ SSPC 90.1 — Energy Standard for Buildings Except Low-Rise Residential Buildings
- ⇨ SSPC 90.2 — Energy Efficient Design of Low-Rise Residential Buildings
- ⇨ SPC 90.4 — Energy Standard for Data Centers and Telecommunications Buildings
- ⇨ SSPC 161 — Air Quality within Commercial AirCraft
- ⇨ SSPC 188 — Legionellosis: Risk Management for Building Water Systems
- ⇨ SSPC 189.1 — Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings
- ⇨ Code Interaction Subcommittee (CIS)