



STANDARDS ACTIONS

PUBLIC REVIEW—CALL FOR COMMENTS

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Constructive comments are invited for the following Public Review Drafts, which can be accessed on ASHRAE's website at <https://osr.ashrae.org>. 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. Paper copies are \$35.00/copy if 100 pages or less and \$45.00 if over 100 pages.

**30-day Public Review from
March 5, 2021 to April 4, 2021**

- ♦ **1st Public Review of ASHRAE Addendum b to ASHRAE Guideline 41-2020, *Design, Installation and Commissioning of Variable Refrigerant Flow (VRF) Systems***

This addendum adds Section 6.12, *Computer Modeling*.

- ♦ **1st Public Review of BSR/ASHRAE Addendum a to ANSI/ASHRAE Standard 55-2020, *Thermal Environmental Conditions for Human Occupancy***

Proposed Addendum a adds a new method for the assessment of the local thermal discomfort with vertical air temperature gradient between the head level and ankle level. Recent studies found that the current limits of 3 °C for sitting and 4 °C for standing occupants between head and feet are unnecessarily strict. These limits may impede the application of thermally stratified systems that are believed to be more energy efficient and associated with better ventilation effectiveness. The new method applies to occupants with clothing insulation less than 0.7 clo and metabolic rate less than 1.3 met, complying with the entire Section 5.3.3, "Local Thermal Discomfort." The addendum was added using mandatory language in the body of the Standard. Informative Appendix I has been updated to take into account the new method.

- ♦ **1st Public Review of BSR/ASHRAE Addendum b to ANSI/ASHRAE Standard 55-2020, *Thermal Environmental Conditions for Human Occupancy***

Addendum b to Standard 55-2020 proposes to change the upper metabolic rate limit for the Standard from 2 to 4. The change is proposed to bring the Standard into alignment with ISO Standard 7730. The change is also motivated by consistent recent research that supports the applicability of Standard 55 at this metabolic level.

- ♦ **1st Public Review of BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 55-2020, *Thermal Environmental Conditions for Human Occupancy***

Addendum c to Standard 55-2020 proposes to change the lower limit of average air speed when using the elevated air speed comfort zone method from 0.2 m/s to 0.1 m/s. The change is proposed to avoid the step change in the comfort zone that results from changing models at 0.2 m/s, from the PMV model to the SET model.

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

This proposal would revise Section 9.1.4 requirements for interior and exterior luminaires so that track lighting equipment is subject to a lower minimum wattage (10 W/lin-ft compared to 30 W/lin-ft).

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

The primary purpose of this addendum is to adjust the SI fan power values in Appendix G to the appropriate number of significant figures.



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PUBLICATION NOTICE

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

This addendum provides a variety of updates to improve the lighting power and control requirements: 1) a new exception to the power and control requirements (Table 9.2.3.1) is proposed to support the use of germicidal ultraviolet lighting for room disinfection; 2) two existing exceptions are being removed and replaced with new power and control requirements (casino gaming areas and parking garage daylight transition lighting); 3) one exception is being removed due to limited/unclear applicability (lighting for photographic processes.) Additional changes to improve language are also made throughout.

♦ **2nd ISC Public Review of BSR/ASHRAE Addendum c to ANSI/ASHRAE Standard 188-2018, Legionellosis: Risk Management for Building Water Systems**

For this second public review, Sections 7.2.1d, 7.2.1e, and 7.5.1c have been revised based on comments received during the first public review period. To maintain consistency with the text of Section 7.2.1, the wording of Section 7.5.1d has similarly been updated.

45 day Public Review
March 5, 2021 – April 19, 2021

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

This addendum proposes changes to Section G3.1.1 to help clarify the process of selecting baseline HVAC systems for different building types using the Performance Rating Method (PRM.)

The addenda listed below are now available for free download on the ASHRAE website at:

<http://www.ashrae.org/standards-addenda>.

♦ **ASHRAE Addenda r, s, t, v and w to ASHRAE Guideline 36-2018, High Performance Sequences of Operation for HVAC Systems**

♦ **ANSI/ASHRAE Addendum a to ANSI/ASHRAE Standard 62.1-2019, Ventilation for Acceptable Indoor Air Quality**

♦ **ANSI/ASHRAE/IES Addenda f, p, q, r, s, and w to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings**

♦ **ANSI/ASHRAE/IES Addendum a to ANSI/ASHRAE/IES Standard 100-2018, Energy Efficiency in Existing Buildings**

♦ **ANSI/ASHRAE/ASHE Addendum L to ANSI/ASHRAE/ASHE Standard 170-2017, Ventilation of Health Care Facilities**

ERRATA

New official interpretations to the following standards are now available on the ASHRAE website at:

<http://www.ashrae.org/standards-interpretations>.

♦ **ANSI/ASHRAE Standard 34-2019, Designation and Safety Classification of Refrigerants**, dated March 1, 2021.



STANDARDS ACTIONS

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.

- ◆ **BSR/ASHRAE Standard 41.2-2018R, *Standard Methods for Air Velocity and Airflow Measurement***
- ◆ **BSR/ASHRAE Standard 164.1-2012R, *Method of Test for Residential Central-System Humidifiers***
- ◆ **BSR/ASHRAE Standard 164.2-2012R, *Method of Test for Self-Contained Residential Humidifiers***

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/pcmberapp> 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.

- ◆ **BSR/ASHRAE Standard 41.2-2018R, *Standard Methods for Air Velocity and Airflow Measurement***

Purpose: This standard prescribes methods for air velocity and airflow measurement, including consideration of density effects.

Scope: This standard applies to air velocity and airflow measurement for testing heating, ventilating, air conditioning, and refrigerating systems and components at pressures within the range of -25 to +25 kPa (-100 to +100 in. of water) referenced to atmospheric pressure.

- ◆ **SSPC 164, *Methods of Test for Humidifiers***, is responsible for revising Standards 164.1 and 164.2 below. Persons who are interested in serving on these ASHRAE committees are asked to apply for membership on SSPC 164 and indicate their interest for a specific committee on the SSPC 164 application form.

NEW PROJECTS—CALL FOR MEMBERS

- ◆ **BSR/ASHRAE Standard 164.1-2012R, *Method of Test for Residential Central-System Humidifiers***

1. PURPOSE: This standard establishes a uniform method of laboratory testing for rating central-system residential humidifiers.

2. SCOPE:

2.1 The scope of this standard covers a method of test for the humidification rate of central-system residential humidifiers intended for use with forced warm air heating and/or cooling systems.

2.2 This method of test describes the test apparatus, conduct of the test, and information to be recorded.

2.3 Tests covered include methods for measuring electrical power input, water flow rate, water temperature, and water pressure to the test humidifier. Also included are airflow rate, static pressure, temperature and relative humidity entering and maintained by the test apparatus.

2.4 Information resulting from the application of this method of test is intended for use by manufacturers, specifiers, installers, and users of central-system residential humidifiers.

2.5 This method of test does not apply to self-contained humidifiers, portable humidifiers, or humidifiers for commercial and industrial applications.

- ◆ **BSR/ASHRAE Standard 164.2-2012R, *Method of Test for Self-Contained Residential Humidifiers***

1. PURPOSE: This standard establishes method of test for the humidification rate and power input of self-contained humidifiers for whole house applications.

2. SCOPE:

2.1 The scope of this standard covers a method of test for the humidification rate of residential self-contained humidifiers that do not require other mechanical devices and are not connected to the central heating/ventilation system.

2.2 This method of test describes the test apparatus, conduct of the test, and information to be recorded.

2.3 Tests covered include methods for measuring energy input, water flow rate, water temperature, and water pressure to the test humidifier.



STANDARDS ACTIONS

INTERIM MEETINGS

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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>. Reminder: recording (Audio, Video, Screenshots) of ASHRAE meetings, including online meetings, is strictly prohibited.

- ◆ **GPC 14-2014R, Measurement of Energy, Demand and Water Savings**, GPC 14 will hold conference calls from 10:00 am to 11:30 am (Eastern) on the following dates:
 - ⇒ March 5, 2021
 - ⇒ March 26, 2021
 - ⇒ April 16, 2021
 - ⇒ May 7, 2021
 - ⇒ May 28, 2021
 - ⇒ June 18, 2021

For additional information contact Dennis Landsberg, Chair of GPC 14 (drlrm@aol.com).

- ◆ **GPC 44P, Protecting Building Occupants from Smoke During Wildfire and Prescribed Burn Events**, will hold a webinar on March 24, 2021 from 3:00 pm to 5:00 pm (Eastern). For additional information contact Steven Emmerich, Chair of GPC 44 (steven.emmerich@nist.gov).

- ⇒ **SSPC 15, Safety Standard for Refrigeration Systems, Standard 15.2P Subcommittee, Safety Standard for Refrigeration Systems in Residential Applications**, will hold webinars on the following dates:
 - ⇒ March 22, 2021, 9:00 am to 11:00 am (Eastern)
 - ⇒ March 30, 2021, 2:00 pm to 4:00 pm (Eastern)

For additional information, please contact Ryan Shanley, Staff Liaison to SSPC 15 (rshanley@ashrae.org).

- ◆ **SPC 37-2009R, Methods of Testing for Rating Electrically Driven Unitary Air-Conditioning and Heat Pump Equipment**, will hold a conference call on March 31, 2021 from 10:00 am to 12:00 pm (Eastern). For additional information contact Christopher Stone, Chair of SPC 37 (cstone@ahrinet.org).

- ◆ **SPC 70-2006R, Method of Testing for Rating the Performance of Air Outlets and Air Inlets**, will hold a conference call on March 10, 2021 from 11:00 am to 12:00 pm (Eastern). For additional information contact Jose Palma (jfpnes@gmail.com), Chair of SPC 70.

- ◆ **SPC 155P, Method of Testing for Rating Commercial Space Heating Boiler Systems**, will hold a conference call on March 26, 2021 from 2:00 pm to 4:00 pm (Eastern). For additional information contact Thomas Butcher, Chair of SPC 155 (butcher@bnl.gov).

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 Low-Rise 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 \(CIS\) Listserve](#)