



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 at <https://osr.ashrae.org>. To obtain a paper copy 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 December 3, 2021 to January 2, 2022

- ♦ **3rd ISC Public Review of BSR/ASHRAE Standard 41.2-2018R, *Standard Methods for Air Velocity and Airflow Measurements***

This revision of ANSI/ASHRAE Standard 41.2-2018 prescribes methods for air velocity and airflow measurement, including consideration of density effects.

- ♦ **2nd Public Review ISC of BSR/ASHRAE/IES Addendum *ac* to ANSI/ASHRAE/IES Standard 90.1-2019, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

Two modifications to Addendum *ac* are proposed in this ISC. First, parking garage daylight transition zone requirements are adjusted to create alignment with IES Recommended Practice RP-8-18. Second, the language describing one of the exceptions to interior lighting power control requirements (Item 5, video/film recording/live performances) has been reworded.

- ♦ **1st Public Review of BSR/ASHRAE/ICC/USGBC/IES Addendum *k* to ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020, *Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings***

Addendum *k* proposes a new Section 8.3.1.11 for emergency response to air quality issues that require an adjustment to ventilation rates. Depending on the conditions that arise, the control system would be equipped to allow for manual increases, decreases, or shutdown of ventilation. Exceptions apply for healthcare facilities, laboratories, and other situations as specified in the proposal.

45-day Public Review from December 3, 2021 to January 17, 2022

- ♦ **4th Publication Public Review (Independent Substantive Change) of BSR/ASHRAE Standard 15.2P, *Safety Standard for Refrigeration Systems in Residential Applications***

This independent substantive change draft to the previous (3rd) public review draft reflects input from comments received during the previous public review draft.

- ♦ **2nd Public Review of BSR/ASHRAE/IES Addendum *ag* to ANSI/ASHRAE/IES Standard 90.1-2019, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

Addendum *ag* introduced a new proposed method to Standard 90.1 entitled the Total System Performance Ratio (TSPR) that would provide an additional path for mechanical system compliance. This second public review draft takes consideration of various comments received by committee members and reviewers of the first draft. A full list of changes is provided in the foreword; in summary, clarifications to terms have been made throughout, the new Appendix J was modified to provide more accurate information about applicable reference buildings and models, this version is more explicit about determining eligibility to use TSPR in lieu of the mechanical prescriptive path, and Table J2.2.3 was modified to include additional inputs and to specify applicable systems for each category.

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

This proposal parallels changes introduced via Addendum *cb*, which contains the newly approved 90.1 TPS and clarifications to defined terms related to "sites." Addendum *cb* is currently available for public review. Addendum *bg* applies concepts of Addendum *cb* to Sections 8, 9, 10, 11, and Appendix G in order to create consistency throughout the standard.



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- ◆ **1st Public Review of BSRI/ASHRAE Standard 120-2017R, *Method of Testing to Determine Flow Resistance of HVAC Ducts and Fittings***

This standard establishes uniform methods of laboratory testing of HVAC ducts and fittings to determine their resistance to airflow.

- ◆ **1st Public Review of BSR/ASHRAE Standard 139-2015R, *Method of Testing for Rating Desiccant Dehumidifiers Utilizing Heat for the Regeneration Process***

The purpose of this standard is to provide test methods for determining the moisture removal capacity of heat-regenerated desiccant dehumidifiers as well as the coincident thermal energy performance so that comparative evaluations of capacity and performance can be made irrespective of the type or make of the device.

- ◆ **1st Public Review of BSR/ASHRAE Standard 174-2018R, *Method of Test for Rating Desiccant-Based Dehumidification Equipment***

This standard provides test methods for rating the performance of desiccant based dehumidification equipment.

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
December 3, 2021 to January 2, 2022**

- ◆ **ASHRAE Guideline 46P, *Design and Construction Practices for Controlling Humidity in Residential Buildings***

NEW PROJECTS—CALL FOR COMMENTS

1. PURPOSE:

The purpose of this guideline is to provide guidance and best practices for controlling moisture and humidity, in the design and construction of new residential buildings.

2. SCOPE:

This guideline is to assist in the design and construction of new residential dwellings (e.g., single family attached and detached, and multifamily). It covers all systems and spaces including attics, basements, crawl spaces, and common areas in multifamily housing and applies to all climate zones. The guideline is to address building performance testing and diagnostic considerations and best practices. The guideline excludes buildings with transient occupancies such as hospitality and dormitory facilities and the building operational phase. It does not incorporate guidance for testing/diagnostic or remediation/ restoration practices after the building is occupied.

- ◆ **BSR/ASHRAE Standard 185.4P, *Method of Testing In-Room Ultraviolet Devices and Systems for Microbial Inactivation on Surfaces in a Test Room***

PURPOSE: This standard establishes a test method for evaluating the efficacy of ultraviolet disinfection systems for microbial inactivation on multiple surface locations in a test room.

SCOPE:

- 2.1 The standard applies to ultraviolet devices and systems using only germicidal ultraviolet energy for disinfection.
- 2.2 The method of test specifies selected indicator microorganisms and defines procedures for inoculating test carriers in a room-scale test chamber.
- 2.3 The method of test defines the test carrier quantity and positions in the test room.
- 2.4 This standard provides a method for counting the number of viable microorganisms on the test carriers before and after ultraviolet inactivation.
- 2.5 This standard establishes protocols and minimum requirements for the materials and equipment required to conduct the tests, defines methods of calculating and reporting results obtained from the test data, and establishes a reporting system to be applied to in-room devices and systems covered herein.



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NEW PROJECTS—CALL FOR COMMENTS

2.6 This standard does not address the health and safety effects of operating devices and systems in an occupied room.

♦ **BSR/ASHRAE Standard 232P, *Schema-Based Building Data Model Protocols***

PURPOSE: Define building data structures and conventions for data exchange among building performance and HVAC&R software.

SCOPE:

This standard applies to schema-based building data models.

♦ **BSR/ASHRAE Standard 233P, *Testing, Evaluating, and Reporting of Phase Change Materials Performance***

PURPOSE: To provide a test method to evaluate the performance of Phase Change Materials (PCMs). This standard also provides a method of reporting the performance of different phase change materials in a standardized way based on laboratory testing.

2. SCOPE:

1. This standard covers the testing and evaluation of Phase Change Materials (PCM) thermal and life-cycle performance.

2. This standard includes:

- Uniform method of testing
- Identification of testing equipment for performing such testing.
- Identification of data required and calculations to be used.
- Identification of reporting method to be used.
- Criteria for determining the life cycle performance.
- Definitions and Terminology

3. This standard does not cover thermal energy storage system-level evaluation.

NEW PROJECTS—CALL FOR MEMBERS

A *Call for Members* is announced for the following new project committees. The Purpose and Scope for these projects can be viewed above and on the ASHRAE website at: <https://www.ashrae.org/technical-resources/standards-and-guidelines/titles-purposes-and-scopes>. 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.

- ♦ **GPC 46P, *Design and Construction Practices for Controlling Humidity in Residential Buildings***
- ♦ **SSPC 185 Subcommittee 185.4P, *Method of Testing In-Room Ultraviolet Devices and Systems for Microbial Inactivation on Surfaces in a Test Room***
- ♦ **SPC 232P, *Schema-Based Building Data Model Protocols***
- ♦ **SPC 233P, *Testing, Evaluating, and Reporting of Phase Change Materials Performance***

ERRATA

New errata sheets for the following standard are now available on the ASHRAE website at <http://www.ashrae.org/standards-errata>.

ANSI/ASHRAE/IES Standard 90.1-2019 (SI Edition), *Energy Standard for Buildings Except Low -Rise Residential Buildings*, dated November 30, 2021. This replaces the version dated July 26, 2021.



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INTERPRETATIONS

New official interpretations to the following standards are now available on the ASHRAE website at: <http://www.ashrae.org/standards-interpretations>.

- ◆ **ANSI/ASHRAE Standard 135-2016, BACnet® - A Data Communication Protocol for Building Automation and Control Networks**

Interpretation 135-2016-30 – November 24, 2021 (Refers to the requirements presented in ANSI/ASHRAE Standard 135-2016, Clauses 12.21 and 21, regarding the use of Network Number in the Recipient_List property of Notification Class objects.)

- ◆ **ANSI/ASHRAE Standard 135-2020, BACnet® - A Data Communication Protocol for Building Automation and Control Networks**

Interpretation 135-2020-6 – November 24, 2021 (Refers to the requirements presented in ANSI/ASHRAE Standard 135-2020, Clauses K5.39 and 22.1.5, regarding NM-FDR-A BIBB.)

Interpretation 135-2020-7 – November 24, 2021 (Refers to the requirements presented in ANSI/ASHRAE Standard 135-2020, Clauses L.7 and K.6.4, regarding DS-WP-B requirement for B-RTR.)

Interpretation 135-2020-8 – November 24, 2021 (Refers to the requirements presented in ANSI/ASHRAE Standard 135-2020, Clauses AB.2.3, AB.2.3.1, AB.3.1.4, regarding 'Must Understand'.)

ERRATA

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 15, Safety Standard for Refrigeration Systems.** The Standard 15.2P Subcommittee, *Safety Standard for Refrigeration Systems in Residential Applications*, will hold a virtual meeting on Thursday, January 20, 2022, from 2:00 pm to 4:00 pm (Eastern). For additional

INTERIM MEETINGS

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 December 16, 2021 from 10:00 am to 12:00 pm (Eastern). For additional information contact Christopher Stone, Chair of SPC 37 (cstone@ahrinet.org).

STANDARDS ACHIEVEMENT AWARD

Each year the Society recognizes the outstanding efforts of a single volunteer in the area of standards development. The Standards Achievement Award recognizes excellence in volunteer service and serves to heighten general membership awareness of, and interest in, standards activities.

The award is open to ASHRAE members who have demonstrated outstanding achievement in the ASHRAE standards development process based on criteria presented in Appendix B of the Standards Committee Reference Manual, which can be found on the ASHRAE website at: <https://www.ashrae.org/standards-forms-procedures>.

Nominations are solicited during the first half of the Society year and then the Standards Committee will select the recipient at the 2022 ASHRAE Winter Meeting.

The Standards Achievement Award will be presented during the Honors and Awards portion of the Plenary Session at the ASHRAE Annual Meeting in Toronto. A certificate will be presented to the recipient by the ASHRAE President..

Nominations are due to the Sr. Manager of Standards, Connor Barbaree (cbarbaree@ashrae.org), by December 31, 2021. The nomination form can be found on the ASHRAE website at: <https://www.ashrae.org/standards-forms-procedures>.



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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](#)