



STANDARDS ACTIONS

PUBLIC REVIEW—CALL FOR COMMENTS

Constructive comments are invited for the following Public Review Drafts, which can be accessed on ASHRAE's website 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
November 3, 2023, to December 3, 2023**

- ♦ **2nd Public Review ISC of BSR/ASHRAE/IES Addendum *j* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings***

This proposed Independent Substantive Change to Addendum *j* provides some adjustments and clarifications to improve the use of the H01 (HVAC System Performance Improvement) energy credit.

- ♦ **1st Public Review of BSR/ASHRAE/IES Addendum *q* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings***

Addendum *q* proposes to add pad-type (wetted media) adiabatic fluid coolers along with a minimum efficiency and the recently published CTI acceptance test code to Table 6.8.1-7 Heat Rejection Equipment. This includes a new definition for pad-type adiabatic coolers and a new Section 13 reference for CTI ATC-105.

- ♦ **2nd Public Review ISC of BSR/ASHRAE/IES Addendum *i* to ANSI/ASHRAE/IES Standard 90.2-2018, *High-Performance Energy Design of Residential Buildings***

This proposed Independent Substantive Change to Addendum *i* clarifies the new proposed definition for “common areas” in addition to common area component requirements for maximum SHGC and U-factor.

- ♦ **2nd Public Review ISC of BSR/ASHRAE/IES Addendum *j* to ANSI/ASHRAE/IES Standard 90.2-2018, *High-Performance Energy Design of Residential Buildings***

Addendum *j* proposed new renewable energy requirements. In this version of the addendum, the new provisions for off-site power and energy storage are joined by an additional requirement to use Renewable Energy Certificates (RECs) to assign the off-site production to an owner.

- ♦ **1st Public Review of BSR/ASHRAE/IES Addendum *o* to ANSI/ASHRAE/IES Standard 90.2-2018, *High-Performance Energy Design of Residential Buildings***

This addendum removes the three-story limitation from the current definition of “residential buildings” to align with the latest approved Title, Purpose, and Scope of 90.2, which includes all residential buildings.



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30-day Public Review from November 3, 2023, to December 3, 2023

- ♦ **1st Publication Public Review of BSR/ASHRAE Addendum *i* to ANSI/ASHRAE Standard 15-2022, *Safety Standard for Refrigeration Systems***

A continuous maintenance proposal was submitted to address the relative pressures (vacuum) of Section 9.2.1 for system design pressure and of Section 9.13.6.1 (leak test during evacuation). Because a refrigeration system would by necessity be subjected to sub-atmospheric pressures during evacuation, the proposal is to modify Section 9.2.1.

- ♦ **BSR/ASHRAE Addendum *d* to Standard 30-2019, *Method of Testing Liquid Chillers* (Second Public Review Draft)**

The purpose of Addendum *d* to Standard 30-2019 is to align the stability requirements in the standard with the measurements supporting the purpose of the test. The purposes of the test include measurement of thermal capacity and energy efficiency.

45-day Public Review from November 3, 2023, to December 18, 2023

- ♦ **2nd Public Review ISC of BSR/ASHRAE/IES Addendum *m* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings***

This proposed Independent Substantive Change to Addendum *m* incorporates feedback received during the first public review period. This draft identifies the AHRI rating procedures required for hydronic fan coils and better clarifies which system components are exempt from the requirements of Section 6.4.7.

- ♦ **1st Public Review of BSR/ASHRAE/IES Addendum *p* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings***

Addendum *p* proposes a number of changes related to outdoor air rate requirements to ensure that 90.1 is capable of supporting the various approaches to ventilation (Standards 62.1, 62.2, 170, 241, and LEED) within energy efficient limits.



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**45-day Public Review from
November 3, 2023, to December 18, 2023**

♦ **1st Public Review of BSR/ASHRAE Standard 35-2014RA, *Method of Testing Refrigerant Driers and Desiccant Materials***

Description: The purpose of this standard is to prescribe test methods for measuring flow capacity and moisture capacity performance characteristics of refrigerant driers and measuring the moisture capacity characteristic of desiccant materials.

♦ **1st Public Review of BSR/ASHRAE Standard 40-2014RA, *Methods of Testing for Rating Heat Operated Unitary Air-Conditioning and Heat-Pump Equipment***

Description: This standard provides test methods for determining the heating and cooling output capacities and energy inputs of unitary air-conditioning and heat pump equipment that is heat-operated (see Section 3, "Definitions"). These test methods may be used as a basis for rating such equipment, but it is not the purpose of this standard to specify methods of establishing ratings.

♦ **1st Public Review of BSR/ASHRAE Standard 193-2010RA, *Method of Test for Determining the Airtightness of HVAC Equipment***

Description: This standard prescribes a method of test to determine the airtightness of forced-air HVAC equipment prior to field installation.

♦ **1st Withdrawal Public Review of BSR/ASHRAE Standard 152-2014W, *Method of Test for Determining the Design and Seasonal Efficiencies of Residential Thermal Distribution Systems***

Description: This standard prescribes a method of test to determine the efficiency of space heating and/or cooling thermal distribution systems under seasonal and design conditions. The objective is to facilitate annual energy calculations and heating and cooling equipment capacity calculations. The Technical Committee supports the withdrawal based on a lack of support to revise the document. This standard is scheduled to lose its ANSI designation next year.



STANDARDS ACTIONS

PUBLICATION NOTICE

The standards and guideline documents listed below are now available for purchase on the ASHRAE website at: <http://www.ashrae.org/published-standards>, or by contacting the Sales Department at: ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092. Email: orders@ashrae.org. Fax: 404-321-5479. Telephone: 404.636.8400 (worldwide) or toll free at 1.800.527.4723 for orders in the U.S. and Canada. Addenda may be downloaded for free on the ASHRAE website at: <http://www.ashrae.org/standards-addenda>.

- ♦ **ANSI/ASHRAE Standard 41.11-2023, *Standard Methods for Power Measurement***
- ♦ **ANSI/ASHRAE/IES Addendum *b* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings***
- ♦ **ANSI/ASHRAE Addendum *e* to ANSI/ASHRAE Standard 15-2022, *Safety Standard for Refrigeration Systems***
- ♦ **ANSI/ASHRAE Addendum *f* to ANSI/ASHRAE Standard 15-2022, *Safety Standard for Refrigeration Systems***
- ♦ **ANSI/ASHRAE Addendum *g* to ANSI/ASHRAE Standard 15-2022, *Safety Standard for Refrigeration Systems***
- ♦ **ANSI/ASHRAE Addendum *h* to ANSI/ASHRAE Standard 15-2022, *Safety Standard for Refrigeration Systems***
- ♦ **ANSI/ASHRAE Addendum *o* to ANSI/ASHRAE Standard 34-2022, *Designation and Safety Classification of Refrigerants***
- ♦ **ANSI/ASHRAE Addendum *p* to ANSI/ASHRAE Standard 34-2022, *Designation and Safety Classification of Refrigerants***
- ♦ **ANSI/ASHRAE Addendum *q* to ANSI/ASHRAE Standard 34-2022, *Designation and Safety Classification of Refrigerants***
- ♦ **ANSI/ASHRAE Addendum *r* to ANSI/ASHRAE Standard 34-2022, *Designation and Safety Classification of Refrigerants***
- ♦ **ANSI/ASHRAE Addendum *s* to ANSI/ASHRAE Standard 34-2022, *Designation and Safety Classification of Refrigerants***
- ♦ **ANSI/ASHRAE Addendum *t* to ANSI/ASHRAE Standard 34-2022, *Designation and Safety Classification of Refrigerants***
- ♦ **ANSI/ASHRAE/IES Addendum *e* to ANSI/ASHRAE/IES Standard 90.2-2018, *High-Performance Energy Design of Residential Buildings***
- ♦ **ANSI/ASHRAE/IES Addendum *f* to ANSI/ASHRAE/IES Standard 90.2-2018, *High-Performance Energy Design of Residential Buildings***



STANDARDS ACTIONS

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>

- ♦ **GPC 37, Guidelines for the Application of Upper-Air (Upper Room) Ultraviolet Germicidal (UV-C) Devices to Control the Transmission of Airborne Pathogens**, will hold conference calls from 1:00 pm to 3:00 pm (Eastern) on the following dates:

⇒ September 22, 2023

⇒ October 13, 2023

⇒ ~~November 3, 2023~~ Canceled

⇒ November 24, 2023

⇒ December 6, 2023

⇒ December 27, 2023

⇒ January 5, 2024

⇒ January 26, 2024

⇒ February 16, 2024

⇒ March 8, 2024

⇒ March 29, 2024

⇒ April 19, 2024

⇒ May 10, 2024

⇒ May 31, 2024

⇒ June 21, 2024

For additional information contact Richard Vincent, Chair of GPC 37 (vincentrl777@gmail.com).

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- ♦ **SSPC 15, Safety Standard for Refrigeration Systems**, will hold virtual meetings from 1:00 pm to 3:00 pm (Eastern) on the following dates:

⇒ Tue Nov 14, 2023

⇒ Tue Dec 12, 2023

⇒ Tue Jan 9, 2024

⇒ Tue Feb 13, 2024

⇒ Thu Mar 14, 2024

⇒ Tue Apr 2, 2024

⇒ Tue May 14, 2024

⇒ Tue Jun 11, 2024

For additional information contact Phil Johnson, Chair of SSPC 15 (phillip.johnson@daikinapplied.com).

- ♦ **SSPC 15, Safety Standard for Refrigeration Systems**, will hold virtual meetings from 1:00 pm to 3:00 pm (Central) on the following dates:

⇒ Friday November 17, 2023

⇒ Friday February 16, 2024

⇒ Friday March 15, 2024

⇒ Friday April 19, 2024

⇒ Friday May 17, 2024

For additional information contact Danny Halel, Chair of SSPC 15 SCCR (danny.halel@nthalpenginering.com)



STANDARDS ACTIONS

INTERIM MEETINGS

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- ♦ **SPC 240P, *Evaluating Greenhouse Gas (GHG) and Carbon Emissions in Building Design, Construction and Operation***, will hold a web meeting on December 6, 2023 from 1:00 pm to 4:00 pm (Eastern).

For additional information contact Stephanie Reiniche, Chair of SPC 240 (sreiniche@ashrae.org) or Amber Thomas, Administrative Assistant Technology (athomas@ashrae.org).

- ♦ **SPC 240P, *Evaluating Greenhouse Gas (GHG) and Carbon Emissions in Building Design, Construction and Operation***, will hold a web meeting on December 13, 2023 from 2:00 pm to 5:00 pm (Eastern).

For additional information contact Stephanie Reiniche, Chair of SPC 240 (sreiniche@ashrae.org) or Amber Thomas, Administrative Assistant Technology (athomas@ashrae.org).

- ♦ **SSPC 62.2, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings***, will hold a virtual meeting on November 8, 2023 from 2:00 pm to 4:00 pm (Eastern).

For additional information contact Mark Weber (mweber@ashrae.org).

- ♦ **SSPC 241, *Control of Infectious Aerosols***, will hold its next virtual meeting on Friday, November 17, 2023 from 9:00 am – 11:00 am. (Eastern).

For additional information please contact Stephanie Reiniche (sreiniche@ashrae.org) or Steve Hammerling (shammerling@ashrae.org).

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>

- ♦ **Standard 185.3 (Subcommittee), *Method of Testing In-Room Devices and Systems for Microorganism Removal or Inactivation in a Chamber***, have cancelled meetings for the following dates:

⇒ November 15, 2023 **Cancelled**

⇒ December 6, 2023 **Cancelled**

⇒ December 27, 2023 **Cancelled**

For more information contact Linda Lee, Chair of the 185.3 Subcommittee (Linda@lindaleehellc.org) or

Stephen Martin, Chair of SSPC 185 (smartin1@cdc.gov).

- ♦ **Standard 185.4 (Subcommittee), *Method of Testing In-Room Ultraviolet Devices and Systems for Microbial Inactivation on Surfaces in a Test Room***. will hold conference calls on the following dates:

⇒ November 22, 2023

⇒ December 13, 2023

For more information contact Katja Auer, Chair of the 185.4 Subcommittee (KatjaDorisAuer@yahoo.com) or

Stephen Martin, Chair of SSPC 185 (smartin1@cdc.gov).



STANDARDS ACTIONS

ERRATA

A new errata sheet for the following standard is now available on the ASHRAE website at

<https://www.ashrae.org/technical-resources/standards-and-guidelines/standards-errata>

- ◆ ANSI/ASHRAE Standard 241-2023, *Control of Infectious Aerosols* dated October 26, 2023
- ◆ ANSI/ASHRAE/IES Standard 90.1-2022 Errata (I-P Edition), *Energy Standard for Buildings Except Low-Rise Residential Buildings* dated November 1, 2023
- ◆ ANSI/ASHRAE/IES Standard 90.1-2022 Errata (SI Edition), *Energy Standard for Buildings Except Low-Rise Residential Buildings* dated November 1, 2023

CALL FOR MEMBERS

A *Call for Members* is announced for the following PCs. 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 Ryan Shanley at: ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092; phone: 678-539-1138; fax: 678-539-2114; email

Standards.Section@ashrae.org.

- ◆ **SPC 217-2020R *Non-Emergency Ventilation in Enclosed Road, Rail and Mass Transit Facilities***

Purpose: This standard provides minimum ventilation requirements for ventilation systems within enclosed transportation facilities during non-emergency operating conditions.

Scope: This standard:

- applies to enclosed transportation facilities, which consist of road tunnels, railway tunnels, mass transit tunnels and mass transit stations.
- provides criteria for non-emergency ventilation.
- addresses the design, construction, commissioning, operation and maintenance requirements of non-emergency ventilation systems and equipments.

JOIN A LISTSERVE

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

- ◆ GPC 36 — High Performance Sequences of Operation for HVAC Systems
- ◆ 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
- ◆ SPC 201 — Facility Smart Grid Information Model
- ◆ ASHRAE Standards Action list serve
- ◆ Code Interaction Subcommittee (CIS)