



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 February 11, 2022, to March 13, 2022

♦ **1st Public Review of Addendum b to ASHRAE Guideline 36-2021, *High-Performance Sequences of Operation for HVAC Systems***

This addendum is to revise the request-hours section to reduce nuisance alarms and to prevent the Cumulative%-Request-Hours from exceeding 100%. This addendum also adds a delay to the request-hours alarm to prevent nuisance alarms upon initial reset of the request-hours and system run-hours.

♦ **1st Public Review of Addendum c to ASHRAE Guideline 36-2021, *High-Performance Sequences of Operation for HVAC Systems***

This addendum fixes an error in the minimum outdoor air-flow setpoint logic for ASHRAE Standard 62.1 ventilation. This addendum also moves the Z_{pz} calculation from the Multiple Zone VAV Air Handling Unit section to the Generic Ventilation Zones section since the Z_{pz} calculation should occur for all ventilation zones, not at the air handling unit.

♦ **1st Public Review of Addendum d to ASHRAE Guideline 36-2021, *High-Performance Sequences of Operation for HVAC Systems***

This addendum addresses an issue with heating control for VAV boxes with hot water reheat coils when V_{min}* is zero due to no occupancy indicated by the occupancy sensor in occupied-standby mode.

PUBLIC REVIEW—CALL FOR COMMENTS

♦ **1st Public Review of Addendum e to ASHRAE Guideline 36-2021, *High-Performance Sequences of Operation for HVAC Systems***

This addendum addresses the following:

1. Revised sequences make it clear that Zone Group modes are determined at the zone level and generate Requests for modes, so there is no need for system level controllers to poll each zone, which creates unnecessary network traffic.
2. The current warmup and cooldown logic tries to warm up or cool down the entire Zone Group right when any zone in the group reaches its optimum start time. It does this by setting all Zone Group setpoints to Occupied setpoints and allowing air to be supplied at the cooling-maximum rate. But this can cause fans and heating/cooling systems to operate near full load. Depending on the utility rate structure, including time-of-day windows, this could set the building's peak demand for the billing period and substantially increase utility bills. The new logic proposed in this addendum only adjusts thermostat setpoints to the occupied setpoints when that zone's optimum start timer indicates it must run to meet the warmup time. This will usually cause zone start times to stagger, reducing peaks.
3. Current logic for setback and setup modes have a bug: the logic to terminate the mode is never reached because it waits for zones to exceed setback setpoints but zones are also controlling to those setpoints, so the exceedance is never reached.
4. Freeze Protection Mode is eliminated since it is no longer used. This was a mode that at one time was used at the air handler level. But setback logic already serves the purpose of preventing very cold zones.



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PUBLICATION NOTICE

The addenda listed below are now available for free download on the ASHRAE website at: <http://www.ashrae.org/standards-addenda>.

- ◆ **ANSI/ASHRAE Addendum e to ANSI/ASHRAE Standard 15-2019, Safety Standard for Refrigeration Systems**
- ◆ **ANSI/ASHRAE/IES Addendum at and as to ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings**

ERRATA

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

- ◆ **ANSI/ASHRAE Standard 30-2019, Method of Testing Liquid Chillers**, dated February 2, 2022. This replaces the version dated March 9, 2021.

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/pcmemberrapp> 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.

- ◆ **SSPC 34, Designation and Safety Classification of Refrigerants**

PURPOSE:

This standard is intended to establish a simple means of referring to common refrigerants instead of using the chemical name, formula, or trade name. It establishes a uniform system for assigning reference numbers, safety classifications, and refrigerant concentration limits to refrigerants. The standard also identifies requirements to apply for designations and safety classifications for refrigerants and to determine refrigerant concentration limits.

SCOPE:

This standard provides an unambiguous system for numbering refrigerants and assigning composition designating prefixes for refrigerants. Safety classifications based on toxicity and flammability data are included along with refrigerant concentration limits for the refrigerants. This standard does not imply endorsement or concurrence that individual refrigerant blends are suitable for any particular application.

Note: Applications are being specifically sought for the following interest categories:

User/Components: an individual who represents a company that manufactures or sells components that are used in air conditioning and refrigeration systems that use refrigerants.

User/Systems: an individual who represents a company that manufactures, assembles or sells air conditioning and refrigeration systems that make use of refrigerants.



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CALL FOR MEMBERS

♦ **SPC 204, Method of Test for Rating Micro Combined Heat and Power Devices**

Purpose: This standard provides a test method for determining the net electrical generating performance and heat recovery performance of micro combined heat and power devices, sometimes referred to as micro-cogeneration devices. The standard specifies the equipment and instrumentation required, test methods, and calculation procedures.

Scope: This standard applies to combined heat and power devices whose maximum net electrical power output is less than 50 kW and whose maximum useful thermal output is less than 300 kW and whose maximum allowable ratio of thermal output (exclusive of any auxiliary heating equipment) to electrical power is 15. Covered devices are stationary systems that utilize natural gas, propane, or diesel as the fuel source.

INTERPRETATIONS

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

♦ **ANSI/ASHRAE/ASHE Standard 170-2021, Ventilation of Health Care Facilities**

- ⇒ Interpretation 170-2021-2 dated February 1, 2022. Refers to the requirements in ANSI/ASHRAE/ASHE Standard 170-2017, Table 6-2, regarding the definition and requirements for “procedure room.”
- ⇒ Interpretation 170-2021-3 dated February 1, 2022. Refers to the requirements in ANSI/ASHRAE/ASHE Standard 170-2021, Section 7.2.1 and Table 7.1, regarding exhaust air requirements when Airborne Infectious Isolation (AII) room not used for airborne infection isolation.

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>

- ♦ **SGPC 10, Interactions Affecting the Achievement of Acceptable Indoor Environments**, will hold virtual meetings on the following dates at 2:00 pm (Eastern).
 - ⇒ March 8, 2022
 - ⇒ April 12, 2022
 - ⇒ May 10, 2022

For additional information contact Carl Grimes, Chair of SGPC 10 (cgrimes@haywardhealthyhome.com)

- ♦ **SSPC 15, Safety Standard for Refrigeration Systems**, will hold webinars on the following dates:
 - ⇒ Friday, February 25th, 2022, from 10:00 AM to 1:00 PM (Eastern)
 - ⇒ Friday, March 25th, 2022, from 10:00 AM to 1:00 PM (Eastern)
 - ⇒ Friday, April 22nd, 2022, from 10:00 AM to 1:00 PM (Eastern)
 - ⇒ Friday, May 20th, 2022, from 10:00 AM to 1:00 PM (Eastern)

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

- ♦ **SSPC 30, Method of Testing Liquid Chillers**, will hold a conference call on March 11, 2022, from 3:00 pm to 4:30 pm (Eastern). For additional information contact Justin Prosser, Chair of SSPC 30 (justin.prosser@danfoss.com).

- ♦ **SSPC 62.1, Ventilation and Acceptable Indoor Air Quality**, will hold a webinar on February 21, 2022, from 3:00 pm to 4:30 pm (Eastern). For additional information please contact Mark Weber at mweber@ashrae.org.

- ♦ **SPC 118.1-2012R, Method of Testing for Rating Commercial Gas, Electric and Oil Service Water Heating Equipment**, will hold a conference call on February 17, 2022, from 2:00 pm to 4:00 pm (Eastern). For additional information contact Charles High, Chair of SPC 118.1 (highdyn@knology.net).



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INTERIM MEETINGS	JOIN A LISTSERVE
<ul style="list-style-type: none"> ♦ SPC 173-2012R, <i>Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors</i>, will hold a virtual meeting on February 24, 2022 from 2:00 pm to 3:00 pm (Eastern). For additional information contact Daniel Miles, Chair of SPC 173 (dmiles@vacuumtechnology.com). ♦ SSPC 300, <i>Commissioning</i>. The following SSPC 300 subcommittees will hold monthly webinars as follows: <ul style="list-style-type: none"> ⇒ Standard 230P Subcommittee, <i>Commissioning Process for Existing Buildings and Systems</i> – 1st Thursday of every month, beginning Thursday, March 3rd, 2022, from 5 PM to 7 PM Eastern ⇒ Guideline 1.2 Subcommittee, <i>Technical Requirements for the Commissioning Process for Existing HVAC&R Systems and Assemblies</i> – 2nd Tuesday of every month, beginning Tuesday, February 8th, 2022, from 5 PM to 7 PM Eastern ⇒ Standard 202 Subcommittee, <i>Commissioning Process for New Buildings and New Systems</i> – 2nd Thursday of every month, beginning Thursday, February 10th, 2022, from 5 PM to 7 PM Eastern ⇒ Guideline 1.1 Subcommittee, <i>Application of the Commissioning Process for New HVAC&R Systems</i> – 3rd Tuesday of every month, beginning Tuesday, February 15th, 2022, from 5 PM to 7 PM Eastern ⇒ Guideline 1.7P, <i>Ongoing Commissioning Process for Buildings, Systems and Assemblies</i> - 3rd Thursday of every month, beginning Thursday, March 17th, 2022, from 5 PM to 7 PM Eastern ⇒ Guideline 1.6P Subcommittee, <i>Commissioning of Data Centers</i> – 4th Tuesday of every month, beginning Tuesday, February 22nd, 2022, from 5 PM to 7 PM Eastern ⇒ Guideline 1.5 Subcommittee, <i>The Commissioning Process for Smoke Control Systems</i> – 4th Thursday of every month, beginning Thursday, February 24th, 2022, from 5 PM to 7 PM Eastern <p>For additional information, please contact Ryan Shanley, Staff Liaison to SSPC 300 (rshanley@ashrae.org).</p>	<p>Click on the following link to learn more about ASHRAE Standards Activities https://www.ashrae.org/listserve.</p> <ul style="list-style-type: none"> ⇒ 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