



ADDENDA

**ASHRAE Addendum h to
ASHRAE Guideline 36-2024**

High-Performance Sequences of Operation for HVAC Systems

Approved by ASHRAE on September 14, 2026.

This addendum was approved by a Standing Guideline Project Committee (SGPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the guideline. Instructions for how to submit a change can be found on the ASHRAE® website (www.ashrae.org/continuous-maintenance).

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- participation in the next review of the Guideline,
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FOREWORD

Note: In this addendum, changes to the current guideline are indicated in the text by underlining (for additions) and strikethrough (for deletions) unless the instructions specifically mention some other means of indicating the changes.

This addendum adds an Alarm Test Mode to help expedite functional testing. The Alarm Test Mode disables post-exit suppression periods, hierarchical alarm suppression and time-based suppression.

Addendum h to Guideline 36-2024

(IP and SI Units)

Revise Section 5.1.12.5 as follows:

- 5.1.12.5. Post-exit Suppression Period. To limit alarms, any alarm may have an adjustable suppression period such that once the alarm is exited, its post-exit suppression timer is triggered and the alarm may not trigger again until the post-exit suppression timer has expired. Default suppression periods are as follows:
- When Alarm Test Mode is disabled:
 - Level 1 alarms: 0 minutes
 - Level 2 alarms: 5 minutes
 - Level 3 alarms: 24 hours
 - Level 4 alarms: 7 days
 - When Alarm Test Mode is enabled, the post-exit suppression period shall be set to 0 minutes. See Section 0 for Alarm Test Mode.

Add Section 5.1.12.6 as follows:

- 5.1.12.6. Alarm Test Mode. Operators shall have the ability to put any device or system (e.g., VAV, AHU, Chilled Water System) in/out of Alarm Test Mode.
- For devices or systems in Alarm Test Mode:
 - Post-exit suppression period shall be set to 0 minutes for all associated alarms.
 - All associated SystemOK points shall be set to TRUE.
 - Time-based suppression shall be disabled.

Add Section 5.1.19.3 as follows:

- 5.1.19.3. SystemOK shall be TRUE when either:
- All of the following are true:
 - The system is proven ON;
 - The system is achieving its temperature and/or pressure setpoint(s) for at least 5 minutes, and
 - The system is ready and able to serve its load; or
 - Alarm Test mode is enabled. See Section 0 for Alarm Test Mode.

Revise Section 5.1.20 as follows:

5.1.20. Time-Based Suppression

- 5.1.20.1. When Alarm Test Mode is disabled, calculate a time-delay period after any change in setpoint based on the difference between the controlled variable (e.g., zone temperature) at the time of the change and the new setpoint. See Section 0 for Alarm Test Mode. The default time delay period shall be as follows:

Time-based suppression is used to suppress reset requests and alarms after a change in setpoint. This includes automatic changes in setpoint, e.g., due to a change in window switch or occupancy sensor status, as well as changes made by occupants.

- a. For thermal zone temperature alarms: 18 minutes per °C (10 minutes per °F) of difference but no longer than 120 minutes

*For example, if setpoint changes from 20°C (68°F) to 21°C (70°F), and the zone temperature is 20.2°C (68.5°F) at the time of the change, inhibit alarm for 15 minutes (0.8°C*18 minutes per °C [1.5°F*10 minutes/°F]) after the change.*

- b. For thermal zone temperature cooling requests: 9 minutes per °C (5 minutes per °F) of difference but no longer than 30 minutes
- c. For thermal zone temperature heating requests: 9 minutes per °C (5 minutes per °F) of difference but no longer than 30 minutes
- d. For humidity SAT limit requests: 9 minutes per °C (5 minutes per °F) of difference but no longer than 30 minutes

POLICY STATEMENT DEFINING ASHRAE'S CONCERN FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES

ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.

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