



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

Public Review Draft

Proposed Addendum h to Guideline 36-2024, High-Performance Sequences of Operation for HVAC Systems

**First Public Review (August 2026)
(Draft shows Proposed Changes to Current 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:
- a. When Alarm Test Mode is disabled:
 1. Level 1 alarms: 0 minutes
 2. Level 2 alarms: 5 minutes
 3. Level 3 alarms: 24 hours
 4. Level 4 alarms: 7 days
 - b. When Alarm Test Mode is enabled, the post-exit suppression period shall be set to 0 minutes. See Section 5.1.12.6 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.
- a. For devices or systems in Alarm Test Mode:
 1. Post-exit suppression period shall be set to 0 minutes for all associated alarms.
 2. All associated SystemOK points shall be set to TRUE.
 3. Time-based suppression shall be disabled.

Add Section 5.1.19.3 as follows:

- 5.1.19.3. SystemOK shall be TRUE when either:
- a. All of the following are true:
 1. The system is proven ON;
 2. The system is achieving its temperature and/or pressure setpoint(s) for at least 5 minutes, and
 3. The system is ready and able to serve its load; or
 - b. Alarm Test mode is enabled. See Section 5.1.12.6 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 5.1.12.6 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