BSR/ASHRAE Addendum d
to ANSI/ASHRAE Standard 62.1-2022

Public Review Draft

Proposed Addendum d to Standard 62.1-2022, Ventilation and Acceptable Indoor Air Quality

First Public Review (June 2024)
(Draft shows Proposed Changes to Current Standard)

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FOREWORD

Published Addendum ab to Standard 62.1-2022 extended the range for accuracy requirements in CO_2 sensors to accommodate the DCV ΔCO2 limits for all occupancy types. The current technology standards result in the specified accuracy requirements at 2,500 ppm that exceed the accuracy of the most advanced commercial sensors on the market. This was an unintended consequence. Therefore, proposed Addendum d modifies the accuracy range to reflect the capabilities of current technology.

Published addenda are available for free download on the ASHRAE website at https://www.ashrae.org/technical-resources/standards-and-guidelines/standards-addenda.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum d to 62.1-2022

Modify Section 6.2.6.1.3.4 as shown below. Section 6.2.6.1.3.4 was added by published Addendum ab to 62.1-2022. Addenda are available for free download on the ASHRAE website at https://www.ashrae.org/technical-resources/standards-and-guidelines/standards-addenda.

6.2.6.1.3.4 CO2 sensors shall be certified by the manufacturer to be accurate within ~~±75~~ (30 ppm plus 3% of reading) at concentrations of 600, 1000 ppm, and 2500 ppm when measured at sea level at 77 °F (25 °C). Sensors shall be factory calibrated and certified by the manufacturer to require calibration not more frequently than once every five years. Upon detection of sensor failure, the system shall provide a signal that resets the ventilation system to supply the required minimum quantity of outdoor air (V_{bz}) to the breathing zone for the design zone population (P_z).