



**BSR/ASHRAE Addendum AL  
to ANSI/ASHRAE Standard 62.1-2016**

**Public Review Draft**

# **Proposed Addendum AL to Standard 62.1-2016, Ventilation for Acceptable Indoor Air Quality**

**First Public Review (February 2019)  
(Draft shows Proposed Changes to Current Standard)**

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**(This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)**

## FOREWORD

*The current standard has no requirements for accuracy of CO<sub>2</sub> sensors used for demand control ventilation. Various research projects show wide variation in accuracy and drift. This addendum proposes to adopt language from the 2013 California Title 24 Section 120.1(c)4.F.*

*[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (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 al to 62.1-2016

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*Add new Section 6.2.7.1.3 as shown. Renumber the existing sections as appropriate.*

**6.2.7.1.3.** Where CO<sub>2</sub> sensors are used for DCV, the CO<sub>2</sub> sensors shall be certified by the manufacturer to be accurate within plus or minus 75 ppm at a 600 ppm and 1000 ppm concentration when measured at sea level at 25°C. Sensors shall be factory calibrated and certified by the manufacturer to require calibration not more frequently than once every 5 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 ( $P_z$ ).

*Modify Inspection/Maintenance Task ad in Table 8.2 as shown below. The remainder of Table 8.2 is unchanged.*

### Table 8.2 Minimum Maintenance Activity and Frequency for Ventilation System Equipment and Associated Components

- ad. Verify the accuracy of permanently mounted sensors whose primary function is outdoor air delivery monitoring, outdoor air delivery verification, or dynamic minimum outdoor air control, such as flow stations at an air handler and those used for demand control ventilation including CO<sub>2</sub> sensors. A sensor failing to meet the accuracy specified in the O&M Manual shall be recalibrated or replaced. Performance verification shall include output comparison to a measurement reference standard consistent with those specified for similar devices in ASHRAE Standard 41.2 or ASHRAE Standard 111<sup>15</sup>.