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## INFORMATIVE APPENDIX G APPLICATION AND COMPLIANCE

This appendix contains application and compliance suggestions that are intended to assist users and enforcement agencies in applying this standard.

For the most part, ANSI/ASHRAE Standard 62.1-2016 is specifically written for new buildings because some of its requirements assume that other requirements within the standard have been met. In the case of existing buildings, retroactive application and compliance with all the requirements of this standard may not be practical. However, the principles established in this standard may be applied to most existing commercial and institutional buildings. Some existing buildings may achieve acceptable IAQ despite not meeting the requirements of Standard 62.1-2016 due to, for example, good maintenance and capital improvement procedures, building materials that, by virtue of their age, have very low contaminant emission rates, and many other factors.

### G1. APPLICATION

**G1.1 New Buildings.** All sections and normative appendices should apply to new buildings falling within the scope of this standard.

**G1.2 Existing Buildings.** The standard should be applied to existing buildings at least in the circumstances described in the following subsections.

**G1.2.1 Additions to Existing Buildings.** All additions to existing buildings should meet the requirements of this standard as if the addition were a new building. An exception may be made when an existing ventilation system is extended to serve the addition. In this case, the existing system components, such as fans and cooling and heating equipment, need not meet the requirements of this standard. However, the extended existing system should remain in compliance with ventilation codes and standards that were in effect at the time it was permitted for construction.

**G1.2.2 Repairs.** Repairing (making operational) existing equipment or other building components does not require the building or any of its components to retroactively comply with this standard.

**G1.2.3 Replacement.** Any component of a building that is removed and replaced should meet the applicable requirements of Section 5, "Systems and Equipment," of this standard for that component. An exception may be made in cases when replacing a component of like size and kind, provided all requirements of codes and standards used at the time of original system design and installation are met. For example, replacement of an air-conditioning unit with one of similar capacity would not require retroactive compliance with venti-

lation rates and other requirements of this standard. Unaltered components do not need to be retroactively brought into compliance except when there are substantial alterations (as defined below).

**G1.2.4 Substantial Alterations.** If a building is substantially altered, the requirements of this standard should be met as if the building were new. A building would be considered substantially altered if the cost of the revisions exceeds 50% of the building's fair market value, excluding the cost of compliance with this standard.

**G1.2.5 Change in Use.** If the space application category as listed in Table 6.2.2.1 changes, such as from office to retail, the minimum ventilation rates required by Section 6, "Procedures," should be met for that space.

### G2. COMPLIANCE

Demonstrating that acceptable IAQ has been achieved, such as by measuring contaminant concentrations or surveying occupants, would not be required by this standard except where required by the IAQ Procedure.

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The following section provides suggested model code language.

## APPLICATION AND COMPLIANCE

### Application

*New Buildings.* All sections and normative appendices apply to new buildings falling within the scope of this standard.

### Existing Buildings

*Additions to Existing Buildings.* All additions to existing buildings within the scope of this standard shall meet the requirements of all sections and normative appendices.

**Exception:** When an existing ventilation system is extended to serve an addition, the existing system components, such as fans and cooling and heating equipment, need not meet the requirements of this standard. However, the extended existing system must remain in compliance with ventilation codes and standards that were in effect at the time it was permitted for construction.

**Repairs.** Repairing (making operational) existing equipment or other building components shall be allowed without requiring the building or any of its components to comply with this standard.

**Replacement.** Any component of a building that is removed and replaced shall meet the applicable requirements of Section 5, "Systems and Equipment," of this standard for that component. Unaltered components are not required to be brought into compliance except as required due to a change in use.

**Exception:** Replacement of a building component or individual piece of equipment with a component of like size and kind, provided that all requirements of codes effective at the time of original system design and installation are met. For example, replacement of an air-conditioning