Air Quality within Commercial Aircraft

Approved by ASHRAE on October 9, 2018.

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FOREWORD

Addendum b updates the reference for ASHRAE Standard 161 to the 2018 edition from the 2007 edition. A citation of Standard 161 (including the year of publication) is deleted from Section 1. This citation will be restored in footnote style when Guideline 28 is next revised.

Note: In this addendum, changes to the current standard 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.

Addendum b to Guideline 28-2016

Revise Section 1 as shown.

1. PURPOSE

This guideline serves as a companion to ASHRAE Standard 161 (ASHRAE 2007) and provides supplemental information on air quality in air-carrier aircraft and on measurement and testing related to aircraft air quality.

Revise Section 9 as shown. The remainder of Section 9 remains unchanged.

9. REFERENCES

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.

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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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