



ADDENDA

**ANSI/ASHRAE Addendum e to
ANSI/ASHRAE Standard 55-2010**

Thermal Environmental Conditions for Human Occupancy

Approved by the ASHRAE Standards Committee on June 23, 2012; by the ASHRAE Board of Directors on June 27, 2012; and by the American National Standards Institute on June 28, 2012.

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ASHRAE obtains consensus through participation of its national and international members, associated societies, and public review.

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- offering constructive criticism for improving the Standard, or
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FOREWORD

This addendum adds a definition for climatic design data.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum e to 55-2010

[Modify Section 3, "Definitions," as follows.]

3. DEFINITIONS

outdoor design condition: the local environmental conditions represented by outdoor climate data (dry-bulb air temperature, humidity, wind speed, solar radiation) at which a heating or

cooling system is designed to maintain the specified indoor thermal conditions.

climate data: hourly values of representative meteorological data, such as temperature and humidity, for the site at which the proposed design is to be located. For cities or urban regions with several climate data entries, and for locations where weather data are not available, the designer shall select available weather or meteorological data that best represents the climate at the construction site. **Note:** See *ASHRAE Handbook—Fundamentals*³, Chapter 14 for data sources).

[Modify Section 6, "Compliance," as follows:]

[Note: The rest of Section 6.1 remains unchanged.]

6. COMPLIANCE

6.1 Design. Building systems (i.e., combinations of mechanical systems, control systems, and thermal envelopes) shall be designed so that at outdoor design conditions they are able to maintain the space at indoor design conditions ~~within the range~~ specified by one of the methods in this standard. This standard does not include specific guidance regarding mechanical systems, control systems, or the thermal envelopes for spaces as part of its scope.

**POLICY STATEMENT DEFINING ASHRAE'S CONCERN
FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES**

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.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive technical committee structure, continue to generate up-to-date standards and guidelines where appropriate and adopt, recommend, and promote those new and revised standards developed by other responsible organizations.

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.

