# ADDENDA

**ANSI/ASHRAE/IES Addendum d to**
**ANSI/ASHRAE/IES Standard 100-2015**

# Energy Efficiency in Existing Buildings

Approved by ASHRAE on October 31, 2017; by the Illuminating Engineering Society on October 19, 2017; and by the American National Standards Institute on November 1, 2017.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. The change submittal form, instructions, and deadlines may be obtained in electronic form from the ASHRAE website (www.ashrae.org) or in paper form from the Senior Manager of Standards.

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 ISSN 1041-2336

www.ansi.org

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## FOREWORD

*Addendum d adds to the standard an informative annex that provides additional guidance on selecting the appropriate building type.*

***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 d to Standard 100-2015

***Add the following Informative Note to Table 7-1 footnotes. The remainder of Table 7-1 is unchanged.***

***Informative Note:*** Informative Annex M provides additional guidance on selecting the appropriate building type for a portion of the commercial building types.

***Add new Informative Annex M, "Guidance on Building Type Definitions."***

**(This annex 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.)**

## INFORMATIVE ANNEX M
## GUIDANCE ON BUILDING TYPE DEFINITIONS

Table M-1 lists subtypes for several building types/activities listed in Table 7-1. Observations in the 2003 CBECS data are not identified at the subtype level. These subtypes provide examples of more specific building uses included within the types. The information used to develop this table was compiled from the CBECS website (EIA 2017) and communication between ORNL and the EIA.

For more information on property definitions, see https://www.energystar.gov/buildings/tools-and-resources/list-portfolio-manager-property-types-definitions-and-use-details.

## REFERENCES

EIA. 2017. Commercial Buildings Energy Consumption Survey (CBECS). Building type definitions. http://www.eia.gov/consumption/commercial/building-type-definitions.php.

**TABLE M-1 Subtypes Included in CBECS 2003 Commercial Building Types**

| No. in Table 7-1 | Commercial Building Type | Includes Subtype |
|---|---|---|
| 1 | Admin/professional office | Nonprofit/social services |
| | | Religious office |
| | | Sales office |
| 3 | Government office | City hall/city center |
| 6 | Other office | Call center |
| | | Contractors office |
| 12 | Other food sales | Bakery |
| 17 | Clinic/other outpatient health | Outpatient rehabilitation center |
| | | Veterinarian |
| 20 | Entertainment/culture | Museum |
| | | Theater |
| | | Cinema |
| | | Sports arena |
| | | Casino |
| | | Night club |
| 22 | Recreation | Gymnasium |
| | | Health club |
| | | Bowling alley |
| | | Ice rink |
| | | Field house |
| | | Indoor racquet sports |
| 23 | Social/meeting | Community center |
| | | Lodge |
| | | Meeting hall |
| | | Convention center |
| | | Senior center |
| 24 | Other public assembly | Armory |
| | | Broadcasting studio |
| | | Exhibition hall |
| | | Funeral home |
| | | Student activities center |
| | | Transportation terminal |
| 29 | Other classroom education | Adult education |
| | | Career/vocational training |
| | | Religious education |
| 32 | Other food service | Catering service |
| | | Coffee/bagel/doughnut shop |
| | | Ice cream/frozen yogurt shop |
| | | Reception hall |

**TABLE M-1 Subtypes Included in CBECS 2003 Commercial Building Types *(Continued)***

| No. in Table 7-1 | Commercial Building Type | Includes Subtype |
|---|---|---|
| 38 | Other lodging | Convent/monastery |
| | | Halfway house |
| | | Retirement home |
| | | Shelter/orphanage/children's home |
| 41 | Other retail | Beer/wine/liquor store |
| | | Rental center |
| | | Studio/gallery |
| 45 | Vehicle storage/maintenance | Car barn |
| 46 | Other service | Beauty parlor/barber shop |
| | | Car wash |
| | | Copy center/printing service |
| | | Dry cleaner/laundromat |
| | | Gas station |
| | | Kennel/animal shelter/pet grooming |
| | | Photo processing shop |
| | | Tanning salon |

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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.

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