



ADDENDA

**ANSI/ASHRAE Addendum i to
ANSI/ASHRAE Standard 90.4-2019**

Energy Standard for Data Centers

Approved by ASHRAE and the American National Standards Institute on January 31, 2023.

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. Instructions for how to submit a change can be found on the ASHRAE® website (www.ashrae.org/continuous-maintenance).

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FOREWORD

Addendum i updates normative references.

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

Addendum i to Standard 90.4-2019

| Reference | Section |
|---|--|
| ASHRAE 180 Technology Parkway NW Peachtree Corners, GA 30092, United States 1791 Tullie Circle NE Atlanta, GA 30329-2305, United States 1-404-636-8400; www.ashrae.org | |
| ANSI/ASHRAE/IES Standard 90.1 (20222019) | Energy Standard for Buildings Except Low-Rise Residential Buildings 3.1.1, 3.2, 4.1.1.1, 4.1.1.2, 4.1.1.3, 4.1.1.4, 4.1.1.5, 4.2.1.1, 4.2.1.2, 4.2.1.3, 4.2.2.1, 4.2.2.2, 4.2.2.3, 4.2.3, 4.2.4, 4.2.5, 4.2.5.1, 5.2.1, 6.1.1, 6.1.1.3.1, 6.4.2, 7.2.1, 8.1.1, 9.2.1, 10.2.1, 11.3, Table B-1, Table B-2, Table B-3, Figure C-1 |
| ANSI/ASHRAE Standard 169 (20222013) Climatic Data for Building Design Standards | Table 6.5 |
| <i>Thermal Guidelines for Data Processing Environments</i> , 4th Edition | 6.5.1 |
| R.S. Briggs, R.G. Lucas, and Z.T. Taylor (paper) | Climate Classification for Building Energy Codes and Standards- Part 1—Thermal Guidelines or Data Processing Environments |
| U.S. Security and Exchange Commission (SEC) 100 F Street, NE Washington, DC 20549, United States www.sec.gov | |
| Release No. 34-47638; File No. S7-32-02 | The Interagency Paper on Sound Practices to Strengthen the Resilience of the U.S. Financial System, April 7, 2003 3.2 |
| National Fire Protection Association (NFPA) 1 Battery March Park, P.O. Box 9101 Quincy, MA 02269-9101, United States | |
| NFPA 70 Article 645 NFPA 70 Article 708 (2008) | Critical Operations Power Systems (COPS) 3.2 |
| NFPA 70 (20202014) | National Electrical Code 3.2, 8.4.1.4 |
| Telecommunications Industry Association (TIA) 2500 Wilson Boulevard 1310 North Courthouse Rd., Suite 890 Arlington, VA 22201, United States www.tiaonline.org | |
| ANSI/TIA 942-20172012 (2014) | Telecommunication Infrastructure <u>Standard</u> for Data Centers 3.2 |
| U.S. Government Publishing Office (GPO) 732 North Capitol St. NW, Washington, DC | |
| 47 CFR Chapter 1 | Federal Communications Commission 3.2 |
| Communications Act of 1934, Title II | Common Carriers 3.2 |
| Pub. L. No. 109-58 (2005) | Energy Policy Act of 2005 (EPAcT) 6.4.1, 8.4.1.9 |

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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.

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