

ADDENDA

**ANSI/ASHRAE/IES Addendum dp to
ANSI/ASHRAE/IES Standard 90.1-2022**

Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

Approved by ASHRAE and by the American National Standards Institute on October 31, 2025; and by the Illuminating Engineering Society on October 16, 2025.

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 (<https://www.ashrae.org/continuous-maintenance>).

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FOREWORD

SSPC 300, which is the ASHRAE Standing Standards Project Committee for commissioning, has been working with SSPC 90.1 in revising the Section 4 requirements for commissioning.

Commissioning (Cx) is included as a generic requirement in technical Sections 4 through 10 of Standard 90.1-2022. The current language is too broad. Therefore, it is often inconsistently applied across jurisdictions by AHJs and causes many issues and misunderstandings with Cx Providers.

There is no cost added, because the process is already defined in Section 4 and in Informative Appendix H. The changes made by Addendum dp are only intended to clarify the process in Section 4.

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

Addendum dp to Standard 90.1-2022

Modify Section 4 as shown (I-P and SI).

[...]

4.2.5.1.2 FPT and Verification Documentation. The completed verification and *FPT* documentation shall include the results of the *FPT* and verification, be provided to the owner, and be retained with the project records. The *V&T providers* shall certify completion of required verification and *FPT* and include a plan for the completion of any deferred *FPT*, including climatic and other conditions required for performance of the deferred tests. The final report shall document that all required systems and controls are installed, configured, calibrated, and tested in accordance with the applicable requirements. A copy of verification and *FPT* documentation shall be submitted to the ~~building official~~ AHJ if requested.

[...]

4.2.5.2 Project Commissioning Documents. Project *commissioning* documents shall comply with ASHRAE/IES Standard 202 or other *generally accepted engineering standards* acceptable to the ~~building official~~ AHJ. The *commissioning provider* shall certify completion of the required *commissioning process* and provide the following documents to the owner and design teams:

- a. **Commissioning Plan.** The commissioning plan shall include the following: ~~Identify FPT or verification procedures for all systems to be verified, commissioned, or tested.~~
 1. A list of the systems to be commissioned and the applicable performance requirements according to the Owner's Project Requirements
 2. Planned activities for the commissioning process
 3. Project team's roles and responsibilities
 4. FPT or verification procedures for all systems to be verified, commissioned, or tested
 5. Issues and resolution log
 6. Training plan
- b. **Design Review Report.** The design review report shall detail compliance of the design with the Owner's Project Requirements and provisions of this standard. ~~The design review report shall detail compliance of the design with the Owner's Project Requirements and provisions of this standard.~~ This *commissioning* design review shall not be considered a design peer review or a code or regulatory review.
- c. **Preliminary Commissioning Report.** The preliminary *commissioning* report shall include the following:
 1. Required performance of commissioned *equipment, systems, and assemblies*, and results of *FPT* and verification
 2. Summary of compliance of the *building* and its components, assemblies, controls, and *systems* with required provisions of this standard
 3. Issues and resolution logs, including itemization of deficiencies found during verification, testing, and *commissioning* that have not been corrected at the time of report preparation
 4. Deferred tests that cannot be performed at the time of report preparation

5. Documentation of the training of operating personnel and building occupants on commissioned systems, and a plan for the completion of any deferred trainings not completed at the time of report preparation
6. A plan for the completion of commissioning and training, including climatic and other conditions required for performance of the deferred tests

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.

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As an industry leader in research, standards writing, publishing, certification, and continuing education, ASHRAE and its members are dedicated to promoting a healthy and sustainable built environment for all, through strategic partnerships with organizations in the HVAC&R community and across related industries.

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