



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

Public Review Draft

Proposed Addendum dp to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low- Rise Residential Buildings

**First Public Review (July 2025)
(Draft Shows Proposed Changes to Current Standard)**

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FOREWORD

SSPC 300, which is the ASHRAE Standards Committee for commissioning, has been working with SSPC 90.1 in revising the Section 4 requirements for commissioning and has proposed the following modifications noted in this addendum.

Commissioning (Cx) is included as a generic requirement in the technical Sections 4-10 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 add, because the process is already defined in Section 4 and in Appendix H. The proposed language change is intended to clarify the process in Section 4.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum dp to 90.1-2022

Modify Section 4 as shown below (IP 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: ~~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 *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~~. 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

[. . .]