

Public Review Draft

Proposed Addendum al to Standard 189.1-2017

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

First Public Review Draft (August 2019)
(Draft Shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

This standard is under continuous maintenance. To propose a change to the current standard, use the change submittal form available on the ASHRAE website, www.ashrae.org.

The appearance of any technical data or editorial material in this public review document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, or design, and ASHRAE expressly disclaims such.

© July 15, 2019 ASHRAE. This draft is covered under ASHRAE copyright. Permission to reproduce or redistribute all or any part of this document must be obtained from the ASHRAE Manager of Standards, 1791 Tullie Circle, NE, Atlanta, GA 30329. Phone: 404-636-8400, Ext. 1125. Fax: 404-321-5478. E-mail: standards.section@ashrae.org.

ASHRAE, 1791 Tullie Circle, NE, Atlanta GA 30329-2305



© 2019 ASHRAE

This draft is covered under ASHRAE copyright. The appearance of any technical data or editorial material in this publication document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, design or the like and ASHRAE expressly disclaims such. Permission to republish or redistribute must be obtained from the MOS.

(This foreword 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.)

Foreword

In the past, WG10 processed addenda to change the term ‘acceptance testing’ to ‘functional and performance testing (FPT)’ which is a defined term in 189.1. This addendum proposes to change legacy uses of ‘acceptance testing’ to read ‘functional and performance testing.’

The definition of functional performance testing is provided for information only and is not proposed to be modified by this Addendum.

functional and performance testing (FPT): testing performed to ensure that designated systems of the project meet the intended design performance requirements.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~strikethrough~~ (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 al to 189.1-2017

Revise Section 7.4.2.6 as follows:

Exceptions to 7.4.2.6 (Permanent Projections)

3.d. ~~Acceptance testing~~ Functional and performance testing and commissioning shall be conducted as required by Section 10 to verify that *automatic* controls for shading devices respond to changes in illumination or radiation intensity.

4.c. ~~Acceptance testing~~ Functional and performance testing and commissioning shall be conducted as required by Section 10 to verify that *automatic* controls for shading devices respond to changes in illumination or radiation intensity.

Revise Sections 8.3.3.2.4, 8.3.3.3, and 8.3.3.5.2 as follows:

8.3.3.2.4 Interior Background Noise—Testing. ~~Acceptance testing~~ Functional and performance testing shall be performed in accordance with Section 10.3.1.1.5. Noise from construction activities, emergency vehicles, and sirens need not be considered.

© 2019 ASHRAE

This draft is covered under ASHRAE copyright. The appearance of any technical data or editorial material in this publication document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, design or the like and ASHRAE expressly disclaims such. Permission to republish or redistribute must be obtained from the MOS.

8.3.3.3.3 Interior Sound Transmission—Testing. ~~Acceptance testing~~ Functional and performance testing shall be performed in accordance with Section 10.3.1.1.5.

8.3.3.5.2 Property Line Sound Levels—Testing. Sound produced by HVAC or other mechanical systems on the premises shall not exceed the values in Table 8.3.3.5.2 at grade level and up to the highest window location on all property lines adjoining receiving properties. Where a generator is used only to provide emergency power, and all periodic operational testing is performed between the hours of 7:00 a.m. and 10:00 p.m., the sound produced by emergency generator during nighttime hours need only comply with the daytime maximum sound level values specified in Table 8.3.3.5.2. ~~Acceptance testing~~ Functional and performance testing shall be performed in accordance with Section 10.3.1.1.5.1.3.

Revise Section 10.3.2.1.2.1 and 10.3.2.1.3.1 as follows:

10.3.2.1.2.1 Initial Measurement and Verification. Use the water measurement devices and collection/storage infrastructure specified in Section 6.3.3 to collect and store water use data for each device, starting no later than after building ~~acceptance testing~~ FPT has been completed and certificate of occupancy has been issued.

10.3.2.1.3.1 Initial Measurement and Verification. Use the energy measurement devices and collection/storage infrastructure specified in Section 7.3.3 to collect and store energy data for each device, starting no later than after ~~acceptance testing~~ FPT has been completed and certificate of occupancy has been issued.