Constructive comments are invited for the following Public Review Drafts, which can be accessed on ASHRAE’s website at https://osr.ashrae.org. To obtain a paper copy of any Public Review Draft contact ASHRAE, Inc. Attn: Standards Public Review, 180 Technology Parkway, Peachtree Corners, GA 30092, or via email at: standards.section@ashrae.org. Paper copies are $35.00/copy if 100 pages or less and $45.00 if over 100 pages.

30-day Public Review from May 21, 2021 to June 20, 2021

  
  This addendum revises Section 8.4.4 transformer requirements based on 2016 updates to 10 CFR Part 431.196. Table 8.4.4 (Minimum Nominal Efficiency Levels for Low-Voltage Dry-Type Distribution Transformers) values have already been updated; now, a new footnote is being introduced to explain the interpolation process for values not shown in the table.

  
  This addendum proposes changes to Section 7.5.3. The minimum $E_k$ for a single high-capacity water heater (gas fired) has been raised from 90% to 92%. The requirements for service water heating systems supplied by multiple units have also been increased so that at least 30% of the input has an $E_k$ of 92% or higher. Additionally, the exception for buildings that use site-solar or on-site recovered energy has been deleted since there are now general provisions covering renewables in other parts of the standard.

  
  This addendum outlines a proposed new structure for Section 9, Lighting. Under the new structure, all Chapter 9 prescriptive requirements would be contained in the same section (9.5). This provides better alignment with how other sections are arranged within the standard and keeps section 9.6 in reserve should a new alternative compliance path be developed in the future.

  
  This addendum modifies Appendix A to provide greater detail and clarity to the insulation requirements for a variety of metal building assemblies. Section A9.4.6, which outlines the calculation procedures for metal building assembly U-factors, now stipulates the thermal conductivity and density required for insulation when a U-factor from Table A2.3.3. (metal roofs) or Table A3.2.3 (metal walls) is used.

45-day Public Review from May 21, 2021 to July 5, 2021

  
  This first public review draft updated Section 6 chiller requirements, specifically the cooling efficiency adjustment for centrifugal chillers (6.4.1.2.1) and requirements for chillers with a freeze protection fluid (6.4.1.2.2). Throughout the first public review draft, “fluid” was used to replace “water.” In this ISC, “fluid” has now been changed to “liquid” to avoid confusion with substances that are not applicable to these provisions. The ISC also removes some content (Kadj calculation examples) that is more appropriate for the user’s manual and because 90.1 users will already receive access to a Kadj spreadsheet tool.

The first public review draft proposes revisions to Table 6.8.1-16: Heat Pump and Heat Recovery Chiller Packages Minimum Efficiency Requirements to reflect the latest (2020) publications of AHRI 550/590 (IP) and AHRI 551/591 (SI). In this ISC, the draft has been further modified for clarity and alignment with the AHRI standards; changes include two new definitions, additional footnotes to Table 6.8.1-16, and – as in Addendum x – conversion of “fluid” to “liquid” throughout.


The purpose of this standard is to provide procedures for determining the annual fuel utilization efficiency of residential central furnaces and boilers.

ERRATA

A new errata sheet for the following standard is now available on the ASHRAE website at http://www.ashrae.org/standards-errata.