

# ANSI/RESNET/ICC 301-2014 Addendum R-2018

## Threshold Ratings

**ANSI Approval Date December 31, 2018**

**Effective Date January 30, 2019**

**Transition Period none**

*Amend Section 5.1.4 as follows to add Threshold Rating to the list of rating types.*

1.

2.

3.

4.

5.

5.1.

5.1.1.

5.1.2.

5.1.3.

**5.1.4. Rating Types.** There shall be ~~three~~ four Rating Types in accordance with Sections 5.1.4.1 through ~~5.1.4.3~~ 5.1.4.4.

**5.1.4.1. Confirmed Rating.** A Rating Type that encompasses one individual dwelling or dwelling unit and is conducted in accordance with Sections 5.1.4.1.1 through 5.1.4.1.3.

**5.1.4.1.1.** All Minimum Rated Features of the Rated Home shall be field-verified through inspection and testing in accordance with Section 4.4.

**5.1.4.1.2.** All field-verified Minimum Rated Features of the Rated Home shall be entered into the Approved Software Rating Tool that generates the home energy rating. The home energy rating shall report the Energy Rating Index that comports with these inputs.

**5.1.4.1.3.** Confirmed Ratings shall be subjected to Quality Assurance requirements equivalent to Section 900 of the *Mortgage Industry National Home Energy Rating Systems Standard*.

**5.1.4.2. Sampled Ratings.** A Rating Type that encompasses a set of dwellings or dwelling units and is conducted in accordance with Sections 5.1.4.2.1 through 5.1.4.2.3.

**5.1.4.2.1.** For the set of Rated Homes, all Minimum Rated Features shall be field-verified through inspection and testing of a single home in the set, or distributed across multiple homes in the set, in accordance with requirements equivalent to Section 600 of the *Mortgage Industry National Home Energy Rating Systems Standard*.

**5.1.4.2.2.** The threshold specifications from the Worst-Case Analysis for the Minimum Rated Features of the set of Rated Homes shall be entered into the Approved Software Rating Tool that generates the home energy rating. The home energy rating shall report

the Energy Rating Index that comports with these inputs.

**5.1.4.2.3.** Sampled Ratings shall be subjected to Quality Assurance requirements equivalent to Section 900 of the *Mortgage Industry National Home Energy Rating Systems Standard*.

**5.1.4.3. Projected Ratings.** A Rating Type that encompasses one individual dwelling or dwelling unit and is conducted in accordance with Sections 5.1.4.3.1 through 5.1.4.3.5.

**5.1.4.3.1.** All minimum Rated Features of the Rated Home shall be determined from architectural drawings, threshold specifications, and the planned location and orientation for a new home or from a site audit and threshold specifications for an existing home that is to be improved. For a new home, if the proposed orientation is unknown, the home shall be analyzed facing each of the four cardinal directions, -North, South, East and West, and the orientation resulting in the largest Energy Rating Index shall be used.

**5.1.4.3.2.** Projected Ratings shall use either the envelope leakage rate specified as the required performance by the construction documents, the site-measured envelope leakage rate, or the air exchange rate specified for the Energy Rating Reference Home in Table 4.2.2(1).

**5.1.4.3.3.** Projected Ratings shall use either the distribution system efficiency specified as the required performance by the construction documents, the site-measured distribution system efficiency, or the thermal distribution system efficiency value specified for the Energy Rating Reference Home in Table 4.2.2(1).

**5.1.4.3.4.** The Minimum Rated Features of Rated Homes that were determined in Sections 5.1.4.3.1 through 5.1.4.3.3 shall be entered into the Approved Software Rating Tool that generates the home energy rating. The home energy rating shall report the Energy Rating Index that comports with these inputs.

**5.1.4.3.5.** Projected Rating Reports shall contain the following text in no less than 14 point font at the top of the first page of the report: “Projected Rating Based on Plans – Field Confirmation Required.”

**5.1.4.4. Threshold Ratings.** A rating type that encompasses one individual Dwelling Units that is conducted in accordance with Sections 5.1.4.4.1 through 5.1.4.4.3

**5.1.4.4.1.** The Threshold Specifications used in the Worst-Case Analysis of the Minimum Rated Features of Threshold Ratings shall be entered into the Approved Software Rating Tool that generates the Energy Rating. The Energy Rating shall report the Energy Rating Index that comports with these inputs.

**5.1.4.4.2.** All Minimum Rated Features shall be field-verified through inspection and testing of each Dwelling Unit in accordance with Section 4.4 to meet or exceed the Threshold Specifications. The field inspection and testing data shall not be used to modify Threshold Ratings.

**5.1.4.4.3.** Threshold Ratings shall be subjected to Quality Assurance requirements equivalent to Section 900 of the Mortgage Industry National Home Energy Rating Systems Standard.

*Amend Section 3.2 Definitions as follows to add the definition for Threshold Rating.*

***Threshold Rating*** - A Rating accomplished using Threshold Specifications to determine the Energy Rating Index where verification of all Minimum Rated Features is accomplished through field inspections and testing conducted on every home.