The NFRC Board has approved Lawrence Berkeley National Lab (LBNL) WINDOW 7.7.10 and THERM 7.7.10 for immediate use. This bulletin is to announce the use of WINDOW7.7/THERM7.7 for NFRC certification and the sunset date of WINDOW7.4/THERM7.4.

**Item #1: Implementation of WINDOW7.7.10 / THERM7.7.10**

The Board has approved the implementation of WINDOW (v7.7.10) and THERM (v7.7.10), only for NFRC 700 ratings, to begin on March 13, 2020. Beginning September 14, 2020, WINDOW7.7.10 / THERM7.7.10 (hereinafter referred to W7.7 / T7.7) will be the only approved software for NFRC 700 ratings for new certifications, re-certifications, or revisions/addendums.

1.- From March 13, 2020 until September 13, 2020, either W7.4 / T 7.4 or W7.7 / T7.7 may be used for all simulations for NFRC 700 ratings, except for shading system product options.

2.- Beginning March 13, 2020, all ratings for shading system product options shall be simulated using W7.7 / T7.7

3.- Multiple versions of LBNL’s WINDOW and THERM can be installed on the same computer. Ensure the NFRC approved software version is used for NFRC product certification.
   - W7.7 / T7.7 is NOT backwards compatible with WINDOW7.4 / THERM7.4 (W7.4/T7.4).
   - Data files from W7.4/T7.4 can be opened in W7.7 / T7.7.

4.- All existing product certifications may continue with the current certification cycle and do not require recertification prior to the expiration date.

5.- Reissues of product certification simulation reports shall be handled in the following manner:
   - Reissues containing only a company and/or product name change may continue to the certification expiration date and require no update.
   - Reissues that include new simulated product options, may continue to use W7.4 / T7.4 until the sunset date per Bulletin Item #2, except for certifications using shading systems.
   - If new simulated product options containing shading systems are added to the reissued report, the shading system options shall be rated using W7.7 / T7.7.
   - After the sunset date, per Bulletin Item #2, all new simulated product options added to the reissued report shall use W7.7 / T7.7.

6.- Any simulations originally conducted using W7.4 / T7.4 that are subsequently revised using W7.7 / T7.7 shall not require revalidation testing unless such revisions would have required revalidation, per ANSI/NFRC 100, Section 4.2.8.

7.- Any new product certifications or re-certifications based on W7.7 / T7.7 simulations shall be validated by testing conducted in accordance with NFRC 102-2017 or NFRC 102-2020 when published.
8.- WINDOW7.7 / THERM7.7 is not applicable for modeling products in accordance with CMA ratings and for NFRC 705 certification

Versions of WINDOW7.7 / THERM7.7 are available for download at the following links on LBNL's webpage:

- The version of WINDOW7 shall be 7.7.10.  See link here.
- The version of THERM7 shall be 7.7.10.  See link here.

**Item #2: Sunset of WINDOW7.4 / THERM7.4**

WINDOW7.4 / THERM7.4 will no longer be used after September 13, 2020.

This sunset date provides simulation laboratories ample time to implement WINDOW7.7 / THERM7.7 into their daily practices and to complete any new or recertification jobs. The last day a simulation laboratory can upload a new or recertified product line using WINDOW7.4 / THERM7.4 data files to the Certified Products Directory (CPD) for Inspection Agencies (IA) review is September 13, 2020.

**NOTE:** NFRC certification of products modeled in accordance with the Component Modelling Approach (CMA) for NFRC 705 certification within CMAST shall continue to use WINDOW6.3 / THERM6.3. CMA is the only program not affected by the sunset date.

If you have any questions concerning the information in the *NFRC Bulletin*, please contact Kevin Louder at 240-821-6538; email: klouder@nfrc.org.

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**National Fenestration Rating Council**

*NFRC envisions a future where every window, door, and skylight purchase decision is made using the NFRC label to evaluate energy performance.*