

LAP/CAP Workshop

Kevin Louder (klouder@nfrc.org)

NFRC

October 8, 2018



LAP/CAP Review

- NFRC 701 Series Reminders and Updates
- CPD Upload Spreadsheets
- Cavity Rules
- Technical Interpretation - Blinds
- LAP/CAP Workshop - Mandatory

NFRC 701 Series Updates

- Reporting requirements have been updated:
 - NFRC 701.03 (Simulation)
 - NFRC 701.04 (Test)
 - NFRC 701.05 (Solar Calorimeter)
 - NFRC 701.06 (Air Leakage)
 - NFRC 701.07 (CR)
 - NFRC 701.10 (VT)

NFRC 701 Series Updates

The following statement shall be included in the report:
“Ratings included in this report are for submittal to an NFRC-licensed IA for certification purposes and are not meant to be used for labeling purposes. Only those options identified on a valid **Certificate of Authorization (CA)** are to be used for labeling purposes.”

[Note: Authorized values may be obtained by a batch export from the CPD using the identified Certificate of Authorization (CA) options or by using the optional Certification Authorization Report (CAR)]

[Deadline for lab report template updates: August 22, 2018](#)



NFRC 701 Series Updates

- Testing Laboratory Accreditation Requirements
 - NFRC 701.09 (section 1.7.2.C)

The glazing conditions have been updated to align with NFRC 702 gap width reduction criteria.

NFRC 701 Series Updates

≤ 13 mm (1/2 in) design gap, 3 mm (1/8 in) maximum reduction permitted.

>13 mm (1/2 in) design gap, 6 mm (1/4 in) maximum reduction permitted.

Any measurable over-fill shall be reported; over inflated (convex)

There shall be no contact between glazing layers and components (e.g. dividers) except as noted.

[Note: Contact with buttons serving as grid locators are permitted.]



NFRC 701 Series Updates

- IRC and SIRC Requirements
 - NFRC 701 (Section 3.2.1.B & C)
 - 1) The IRC other factors criteria was updated to assist in determination of IRC approval; i.e. laboratory management role
 - 2) The SIRC criteria was updated for persons without a Bachelor's degree; a minimum of four years experience as an NFRC certified simulator and management role can be a factor in approval.



NFRC 701 Series Updates

- Virtual Review of Test Laboratories
 - NFRC 701 (Added Section 6.2.4.D)
 - Virtual reviews are not guaranteed to the lab and are based on laboratory performance and meeting the required guidelines outlined in NFRC 701.
 - This creates a streamlined review process
 - Labs continue to be reviewed every two years but on-site reviews are shifted to 6 years.
 - Implementation is projected for 2019; not all labs will see a virtual review.



NFRC 701 Series Updates

- NFRC 701 (continued)

Laboratory Requirements for Virtual Review

- 1) This periodic review is not an initial review of the lab.
- 2) Technicians performing testing have four or more years experience performing the test procedure.
- 3) Photographs of the installation, on both the interior and exterior sides are provided.
- 4) Product sample verification shall be accomplished by photographing each complete product cross-section in combination with a measuring scale.
- 5) All items from Section 6.2.4.B must be made available. (manuals, independence, education, etc.)



NFRC 701 Series Updates

- NFRC 701 (continued)

Laboratory Disqualification for virtual review

- 1) Major overhaul or upgrades that are sensitive to the results.
- 2) Personnel changes who are directly responsible for testing.
- 3) An onsite inspection has not been performed in the last six (6) years.
- 4) Suspension and/or revocation of accreditation
- 5) Per the discretion of NFRC



CPD Upload Spreadsheets

- Simulation, Test and Film Attachment uploads were updated and posted to the NFRC website on May 24, 2018.
 - Simulation Upload Spreadsheet v4.3
 - Test Upload Spreadsheet v4.2
 - NFRC Film Attachment Upload Spreadsheet v1.05
- Updated to allow for the current 2017 rating procedure
- Reminder: Ensure all COG and 0 and 1 values are reported to six (6) decimals



Cavity Rules

- There is still a wide range of application of slightly ventilated air cavities between certified simulators.
- Upon return and review of the ILC results, a Simulators TG call will be scheduled to evaluate the language in the simulation manual to add clarity. LBNL will also be contacted to discuss the calculation of the software.

Cavity Rules (continued)

- In conjunction with the slightly ventilated cavity discussion, further clarification is required on breaking frame air cavities per the 5mm rule.
- It is anticipated clarifications could be made and implementation by the Spring meeting for both cavity types.

Technical Interpretation - Blinds

- The ANSI/NFRC 100 document indicates that dynamic glazed product shall be rated in the fully open/off and closed/on positions.
- NFRC 700 indicates that the manufacturer can label these products in two manners:
 - Label both open and closed (combo)
 - Label only the open position



Technical Interpretation - Blinds

- [TI-2018-04](#) was created to clarify that the manufacturer/simulation lab does not have to model dynamic glazing products in both positions.
- If only one position is modeled, it shall be the Fully Off/Open position.

LAP/CAP Workshop - Mandatory

- A mandatory face-to-face workshop will be planned for Spring 2019.
- If you have any topics that merit conversation please submit to klouder@nfrc.org and we can see about adding to the agenda.

Assignments

- LAP Workshop
 - A mandatory face-to-face workshop will be planned for Spring 2019.
- Simulators TG
 - Cavity rules and clarifications
- Labs
 - Make sure your report templates are updated