



National Fenestration Rating Council Incorporated

NFRC 708.01-2011

Approved Calculation Entity Organization Application

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FOREWORD

The National Fenestration Rating Council, Incorporated (NFRC) has developed and operates a uniform rating system for energy and energy-related performance of fenestration products. The Rating System determines the U-factor, Solar Heat Gain Coefficient (SHGC), and Visible Transmittance (VT) of a product, which are mandatory ratings for labeling NFRC certified products, are mandatory ratings for inclusion on label certificates, and are supplemented by procedures for voluntary ratings of products for Air Leakage (AL) and Condensation Resistance. Together, these rating procedures, as set forth in documents published by NFRC, are known as the NFRC Rating System.

The NFRC Rating System employs computer simulation and physical testing by NFRC-accredited laboratories to establish energy and related performance ratings for fenestration product types. The NFRC Rating System is reinforced by a certification program under which NFRC-licensed responsible parties claiming NFRC product certification shall label and certify fenestration products to indicate those energy and related performance ratings, provided the ratings are authorized for certification by an NFRC-licensed certification and Inspection Agency (IA).

The requirements of the rating, certification, and labeling program (Certification Program) are set forth in the most recent versions of the following as amended, updated or interpreted from time to time:

- NFRC 700 Product Certification Program (PCP).
- NFRC 705 Component Modeling Approach (CMA) Product Certification Program (CMA-PCP).

Through the Certification Program and the most recent versions of its companion programs as amended, updated, or interpreted from time to time:

- The laboratory accreditation program (Accreditation Program), set forth in the NFRC 701 Laboratory Accreditation Program (LAP).
- The IA licensing program (IA Program), set forth in NFRC 702 Certification Agency Program (CAP).
- The CMA Approved Calculation Entity (ACE) licensing program (ACE Program) as set forth in the NFRC 708 Calculation Entity Approval Program (CEAP).

NFRC intends to ensure the integrity and uniformity of NFRC ratings, certification, and labeling by ensuring that responsible parties, testing and simulation laboratories, and IAs adhere to strict NFRC requirements.

In order to participate in the Certification Program, a Manufacturer/Responsible party shall rate a product whose energy and energy-related performance characteristics are to be certified in accordance with mandatory NFRC rating procedures. At present, a Manufacturer/Responsible Party may elect to rate products for U-factor, SHGC, VT, Air Leakage, Condensation Resistance, or any other procedure adopted by NFRC, and to include those ratings on the NFRC temporary label affixed to its products, or on the NFRC Label Certificate. U-factor, SHGC and VT, AL, and Condensation Resistance rating reports shall be obtained from a laboratory that has been accredited by NFRC in accordance with the requirements of the NFRC 701.

The rating shall then be reviewed by an IA which has been licensed by NFRC in accordance with the requirements of the NFRC 702. NFRC-licensed IAs also review label format and content, conduct in-plant inspections for quality assurance in accordance with the requirements of the NFRC 702, and issue a product Certification Authorization Report (CAR), or approve for issuance an NFRC Label Certificate for site-built or CMA products and attachment products. The IA is also responsible for the investigation of potential violations (prohibited activities) as set forth in the NFRC 707 Compliance and Monitoring Program (CAMP).

Ratings for products that are labeled with the NFRC Temporary and Permanent Label, or products that are listed on an NFRC Label Certificate in accordance with NFRC requirements, are considered to be NFRC-certified. NFRC maintains a Certified Products Directory (CPD), listing product lines and individual products selected by the manufacturer/responsible party for which certification authorization has been granted.

NFRC manages the Rating System and regulates the Product Certification Program (PCP), Laboratory Accreditation Program (LAP) and Certification Agency Program (CAP) in accordance with the NFRC 700 (PCP), the NFRC 701 (LAP), the NFRC 702 (CAP), the NFRC 705 (CMA-PCP), and the NFRC 708 (CEAP) procedures, and conducts compliance activities under all these programs as well as the NFRC 707 (CAMP). NFRC continues to develop the Rating System and each of the programs.

NFRC owns all rights in and to each of the NFRC 700, NFRC 701, NFRC 702, NFRC 705, NFRC 707, NFRC 708 and each procedure, which is a component of the Rating System, as well as each of its registration marks, trade names, and other intellectual property.

The structure of the NFRC program and relationships among participants are shown in Figure 1, Figure 2, and Figure 3. For additional information on the roles of the IAs and laboratories and operation of the IA Program and Accreditation Program, see the NFRC 700 (PCP), NFRC 701 (LAP), and NFRC 702 (CAP) respectively.

Figure 1

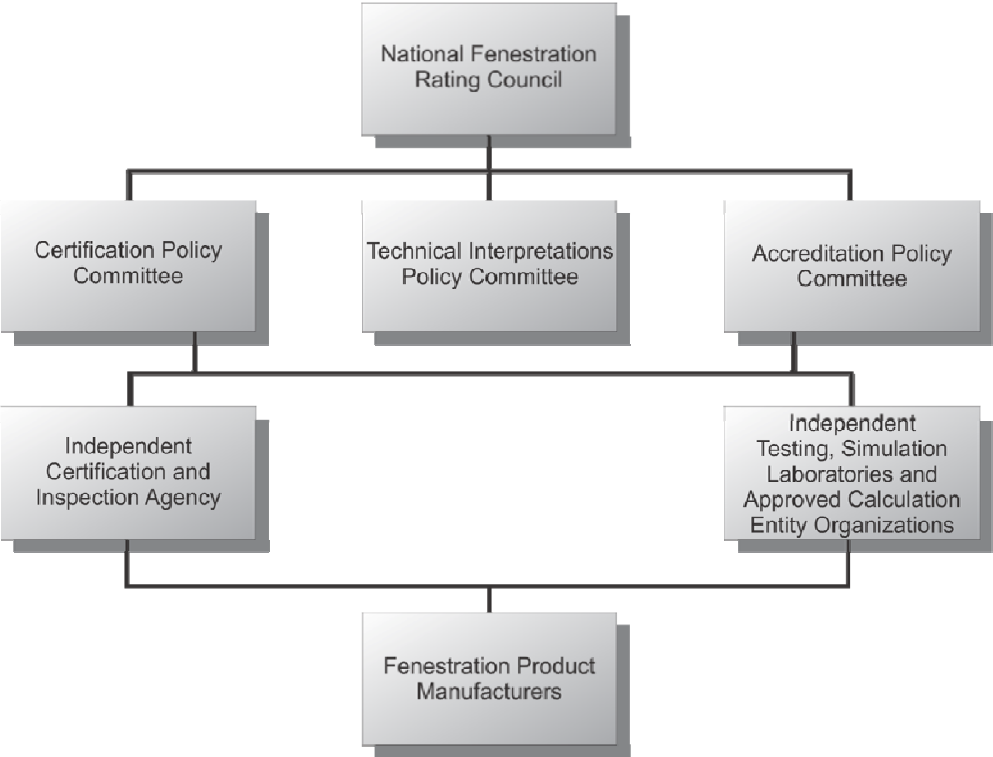


Figure 2

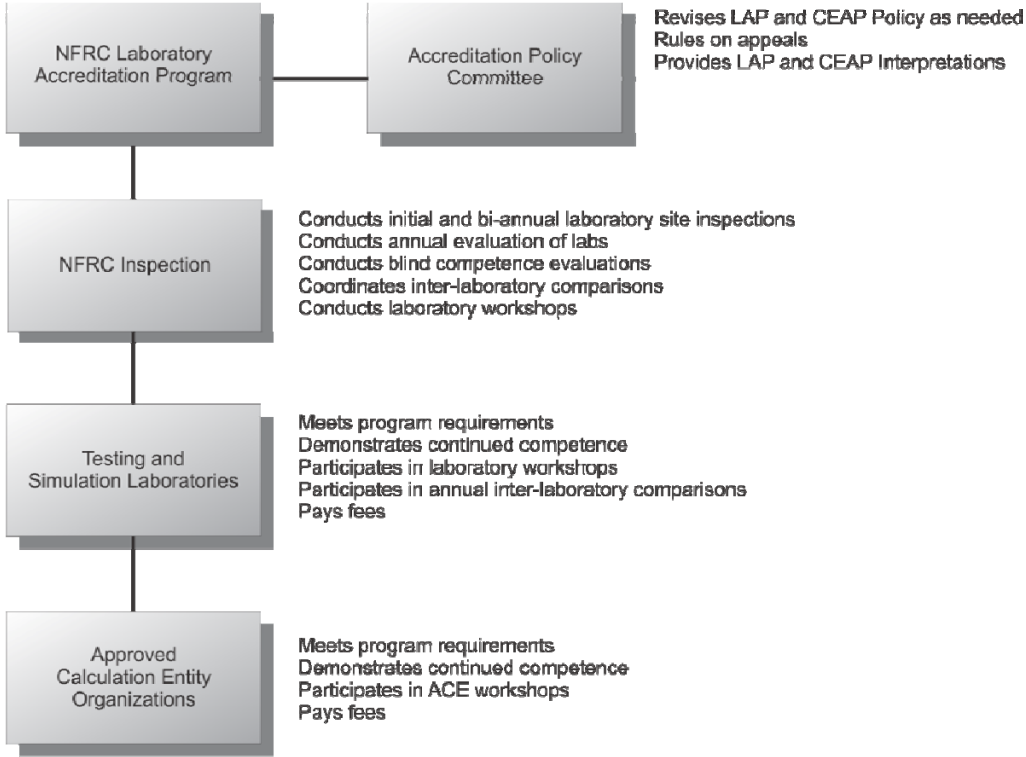
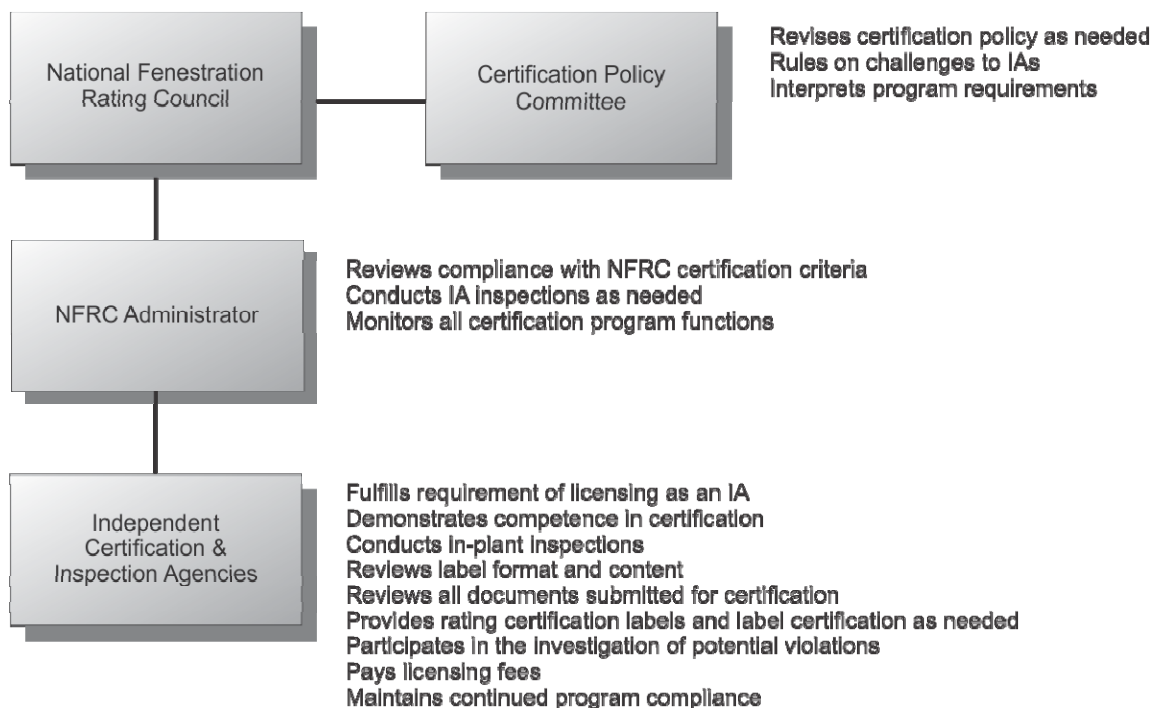


Figure 3



Questions on the use of this procedure should be addressed to:

National Fenestration Rating Council

6305 Ivy Lane, Suite 140

Greenbelt, MD 20770

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Fax: (301) 589-3884

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DISCLAIMER

NFRC certification is the authorized act of a Manufacturer/Responsible Party in: (a) labeling a fenestration or related attachment product with an NFRC Permanent Label and NFRC Temporary Label, or (b) generating a site built or CMA label certificate, either of which bears one or more energy performance ratings reported by NFRC-accredited simulation and testing laboratories and authorized for certification by an NFRC-licensed IA. Each of these participants acts independently to report, authorize certification, and certify the energy-related ratings of fenestration and related attachment products.

NFRC does not certify a product and certification does not constitute a warranty of NFRC regarding any characteristic of a fenestration or fenestration-related attachment product. Certification is not an endorsement of or recommendation for any product or product line or any attribute of a product or product line. NFRC is not a merchant in the business of selling fenestration products or fenestration-related products, and therefore cannot warrant products as to their merchantability or fitness for a particular use.

NFRC THEREFORE DISCLAIMS ANY AND ALL LIABILITY THAT MAY ARISE FROM OR IN CONNECTION WITH SERVICES PROVIDED BY, DECISIONS MADE BY OR REPORTS OR CERTIFICATIONS ISSUED OR GRANTED BY ANY NFRC-ACCREDITED LABORATORY, NFRC-LICENSED IA OR ANY PRODUCT MANUFACTURER/ RESPONSIBLE PARTY; RELIANCE ON ANY NFRC PRODUCT DESCRIPTION, SPECIFICATION, RATING, TEST OR CERTIFICATION, WHETHER APPEARING IN A REPORT, A PRODUCT CERTIFICATION AUTHORIZATION OR A PRINTED OR ELECTRONIC DIRECTORY, OR ON A LABEL, OR ON A LABEL CERTIFICATE; OR THE SALE OR USE OF ANY NFRC-RATED OR CERTIFIED PRODUCT OR PRODUCT LINE; INCLUDING BUT NOT LIMITED TO DAMAGES FOR PERSONAL OR OTHER INJURY, LOST PROFITS, LOST SAVINGS OR OTHER CONSEQUENTIAL OR INCIDENTAL DAMAGES.

NFRC program participants are required to indemnify NFRC from and against such liability.



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**NFRC CALCULATION ENTITY APPROVAL
PROGRAM**



ACE Organization Application

To ensure that an ACE Organization's application can be fully evaluated, all requested information should be provided. If additional space is needed, attach additional pages. Incomplete applications will be returned. Application processing takes approximately three weeks after receipt by NFRC of the completed application.

Application Type: Manufacturer/Other Independent

Organizational Information

1. Organization Name: _____
 2. Address: _____
 3. City: _____ State: _____ Zip Code: _____
 4. Phone: _____ Fax: _____
- Email address: _____

5. NFRC Trained ACE(s): Approval Date: BS in Engineering or related discipline or
2yrs Fenestration design experience; List
School or Business
- _____
- _____
- _____

6. Type of business: _____
Corporation
 State of Incorporation: _____
 Date of Incorporation: _____
Partnership (attach list of general and limited partners)
Sole Proprietorship - Name of Owner: _____
Trade Association
Other

7. List other accreditation or product certification programs that your organization is licensed under or affiliated with:

8. If there is more than one location for your company, please attach the following information for each additional location:
 - a. Name of Company
 - b. Location (address, city, state and zip codes)
 - c. Telephone & facsimile numbers, email address, and
 - d. NFRC ACEs and their Title(s)

9. Attach a list of employees and an organizational chart showing the relationship of all employee positions to be involved in NFRC CMA certifications.
 - a. On the organizational chart, please identify the incumbent in each position by name and title. If part of a larger corporate or similar structure, add a second chart showing the relative position of the applicant entity within the corporation.
 - b. On the organizational chart, identify the person(s) with responsibility for the following in the NFRC Calculation Entity Approval Program:
 - i. Company Policy
 - ii. Maintaining current job descriptions;
 - iii. Financial matters;
 - iv. Quality Control and Operations

Personnel

10. Attach resumes for each ACE employee/contractor to be involved in NFRC CMA certification services, including:
 - a. Professional qualifications (Degree, Professional Engineer License, etc.) ;
 - b. Relevant work experience;
 - c. Membership on relevant technical committees or professional societies; and
 - d. Employee's position in the organization.

In-Service Training and Education Program

(See requirements set forth in CEAP, Section 5.1)

11a. Summarize your employee in-service training and education program.

11b. Provide examples of relevant training courses.

11c. Describe your process of continuing education.

Quality Control Program & Operations Manual

(See requirements set forth in CEAP, Section 5.2)

12. Describe your organization's Quality Control Program and how it will ensure efficient, accurate, and uniform results in compliance with NFRC 708.

13. Provide the name(s) of individuals in charge of your Quality Control Program at each location.

Name

Location

14. Describe the contents of your Operations Manual and Quality Control Program. The NFRC Inspector will review such manuals during initial and on-site inspections, when deemed necessary.

15. Identify the staff responsible for preparing, reviewing and approving your Operations and Quality Control Program.

Name

Location

1. TERMS AND CONDITIONS

The undersigned officer or other duly authorized representative of the ACE Organization accepts, on behalf of the organization, the following terms and conditions. Independent ACE Organizations shall refer to Section 1.1 and Manufacturer/Other ACE Organizations shall refer to Section 1.2:

1.1 Independent ACE Organizations

- A. The ACE Organization for itself and its ACE employees/contractors hereby acknowledges receipt of a copy of, and agrees to abide by all conditions and requirements of the CEAP: Calculation Entity Approval Program and CMA-PCP: Component Modeling Approach Product Certification Program as they may from time to time exist or be interpreted, including entering into a license agreement with the NFRC.
- B. The ACE Organization attests that the following conditions with respect to its independence are true and consistently maintained:

Neither the ACE Organization, its ACE employees/contractors, equity owners, officers, directors, managers or employees, nor any affiliate of any such person:

- Have any financial interest in, or family or organizational affiliation to, any fenestration product or component manufacturer, supplier, vendor, fabricator, or installer;
- Have any financial interest in, or family or organizational affiliation to any firm for which any one of them provides NFRC-licensed certification and inspection agency services;
- Advocate or recommend the use of any product (or product component) for which the ACE provides NFRC CMA certification services;
- Advocate or recommend the use of a particular thermal performance certification agency providing NFRC-licensed services;
- Be involved in the commercial design or fabrication of fenestration products or components.

C. The ACE Organization represents and warrants that:

- 1) Neither the organization nor any controlling person of the organization has filed or had filed against it a petition under any bankruptcy law, or similar event, since 10 years from the first day of this calendar year.
- 2) Neither the organization nor any controlling person of the organization has during the previous 10 years been convicted in a criminal proceeding or is named as a defendant in a pending criminal proceeding (excluding traffic violations).
- 3) Neither the organization nor any controlling person of the organization has been during the previous 10 years or is now the subject of any judicial or administrative proceeding or investigation relating to its fenestration testing services.

If any of the foregoing statements is not applicable, please explain

1.2 Manufacturer/Other ACE Organizations

A. The ACE Organization for itself and its ACE employees/contractors hereby acknowledges receipt of a copy of, and agrees to abide by all conditions and requirements of the CEAP: Calculation Entity Approval Program and CMA-PCP: Component Modeling Approach Product Certification Program as they may from time to time exist or be interpreted, including entering into a license agreement with the NFRC.

B. The ACE Organization represents and warrants that:

- 1) Neither the organization nor any controlling person of the organization has filed or had filed against it a petition under any bankruptcy law, or similar event, since 10 years from the first day of this calendar year.
- 2) Neither the organization nor any controlling person of the organization has during the previous 10 years been convicted in a criminal proceeding or is named as a defendant in a pending criminal proceeding (excluding traffic violations).
- 3) Neither the organization nor any controlling person of the organization has been during the previous 10 years or is now the subject of any judicial or administrative proceeding or investigation relating to its fenestration testing services.

If any of the foregoing statements is not applicable, please explain.

1.3 All ACE Organizations

The organization hereby agrees to promptly pay all fees and other expenses in accordance with NFRC schedules.

The organization hereby agrees to indemnify and hold harmless NFRC, its officers, directors, members, employees and agents from and against all liability whatever, including attorney's fees and expenses, arising from the failure by the organization to comply with the requirements of the CEAP or the License Agreement, or any wrongful or negligent act by the organization.

The undersigned certifies that the information supplied above is correct and will notify NFRC promptly of any change in any of the information supplied.

The undersigned acknowledges that any false statement in this application is a ground for denial, suspension or revocation of accreditation.

Organization: _____

By: (signature) _____

Print name: _____

Title: _____

Date: _____