



**NFRC Component Modeling Approach (CMA) & Approved Calculation Entity (ACE)  
One Day Online Training Session  
Friday, December 10, 2010, 11:00 am EST – 4:00 pm EST  
Online via GoToMeeting®**

This training session is for those seeking more knowledge of the CMA Software Tool (CMAST) and for those seeking approval to become an NFRC Approved Calculation Entity (ACE). NFRC ACEs will be authorized to configure whole fenestration products and calculate U-factor, Solar Heat Gain Coefficient, and Visible Transmittance ratings using CMAST for those products seeking NFRC certification in the CMA Product Certification Program (CMA-PCP). This training session will include use of the latest version of CMAST; all training materials, including workbooks, will be provided to attendees before the training session date. It required that participants download the CMAST software prior to the training session. To download CMAST, go to the CMAST staging server: <http://69.60.115.189/>. You will need to download THERM 6 and WINDOW 6 before using CMAST, so be sure to follow the instructions for download provided on the webpage after you have registered yourself as a CMAST user and can log-in to the server.

There will be a short review sessions during the training and a take-home exam will be provided for aspiring ACE attendees to complete and submit after training. A *Certificate of Approval* will be sent to those ACE candidates who successfully pass the exam.

**Each registrant must submit a registration form**

**Name:** \_\_\_\_\_ **Company:** \_\_\_\_\_

**Address:** \_\_\_\_\_ **Telephone:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**E-mail address:** \_\_\_\_\_

As per the NFRC 708 Educational Requirements, I have a Bachelor's Degree or higher degree in engineering, or a closely related discipline, or a minimum of two years experience in fenestration product design and assembly. Details required: \_\_\_\_\_

I wish to attend the  **General User Training (\$200 fee/NFRC members; \$333 fee/non-members)**

or the more advanced  **ACE Training (\$300 fee/NFRC members; \$500 fee/non-members)**

**Amount Enclosed:** \$ \_\_\_\_\_

- *A laptop computer is REQUIRED for this training session; NFRC will NOT provide.*
- *A high-speed Internet connection is required*
- *Registration is not confirmed until payment is received*
- *Space is LIMITED, training session spots will be reserved on a first-come, first-serve basis; only the first 25 registrants will be able to attend.*

**CREDIT CARD –VISA, MasterCard, American Express**

**Card#** \_\_\_\_\_ **Exp** \_\_\_\_\_

**Name if different from above:** \_\_\_\_\_ **Zip Code of Credit Card Billing Address:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Check, made payable to “NFRC”**

**PLEASE RETURN THIS FORM TO NFRC BY EMAIL TO [ipadgett@nfr.org](mailto:ipadgett@nfr.org) NO LATER THAN **December 6, 2010****