March 2, 2009

RE: Details on CPD 2.07 processes on production server, and new spreadsheets.

Hi Everyone:

This memo is to inform you version 2.07 of the CPD is up and running on the production server. The following is a list of the changes to the application. Details about the modifications and the new spreadsheet are after the list.

1. A new spreadsheet is available which allows for more blank columns where needed and addresses door upload data checking. (See detail below)
2. Validation Screen acceptance/publishing of New or Recertification Product lines with validation by IAs without revisiting the respective reports. (See detail below)
3. Ability to view more options on the upload detail page. The user has the ability to view more options in 250 increments with a maximum of 1000. This page was also modified to use less area for the header info.
4. Door Lab reports – Doors are able to be properly described and checked in the columns, processed through the Report Tool, and products lines generated. (See detail below)
5. Door CAR reports – for Opaque doors can be generated (Doors with glass can generate CARS now)
6. Modify Validation coordination page sorting issue. Both the report number and series are now part of the drop down selection.
7. Test Tool update for better reporting and efficiency. Small improvements to catch additional items not currently tested for, improve reporting and huge improvements in efficiency. The test tool still has an issue testing large files that require longer than an hour to test, but the number of lines tested in an hour is dramatically increased. The upload spreadsheet file size submitted to the Lab Report Test Tool should not be greater than 2.5MB. (Note: This limitation is being investigated).
8. Simple Addendum Process added – This will be completed by adding a new report type to the dropdown on the Spreadsheet and the Application choices. This will allow automatic addendum to the end of an existing product line. (See detail below)

New Spreadsheet
The new spreadsheet version is 3.09 and there are two Excel versions: 2003 and 2007. These files are located on the NFRC CPD webpage: http://www.nfrc.org/CPDInfo.aspx.

The user shall use the Excel file that matches version of Excel the user has on their system.

Since the upload process does not acknowledge a 2007 Excel file, a user with Excel 2007 will have one additional step.

Users with 2007 Excel:

- Start with 2007 Excel sheet: file with extension .xlsm
- Upon completion and "stamping" of the sheet, save the file in 2007 Excel format and in a 2003 Excel format.
- *Upload the 2003 Excel file.*
- If the user is required to modify an upload spreadsheet, it is highly recommended to always use the 2007 Excel file in order to receive the full "data checking" capabilities. The users will then save a file in both versions and re-upload the 2003 version.

Users with 2003 Excel:

- Start with 2003 Excel sheet: file with extension .xls
- Upon completion and "stamping" the sheet save the file as a 2003 Excel file
- Upload the 2003 Excel file.

Validation Screen Acceptance

The following is the final proposed methodology to streamlining the IA process when accepting uploads, validations, and the generating of product lines.

REQUIRED:
The simulation upload must be reviewed in order to allow the “ACCEPT” check box to show up on the validation comparison screen. The simulation sheet status = "Viewed by IA"

Process:

A. At status screen select the “SIMULATION” upload. This will result in the status of the sheet = “Viewed by IA”. The IA reviews the simulation information.
B. At the simulation upload detail page, the IA starts the Validation process and proceeds to the validation coordination page to coordinate with a test upload sheet. The IA proceeds with the validation
C. At the Validation Comparison page, the IA reviews the test and simulation information and upon having a good validation, is capable of selecting a check box that will complete the following when the ACCEPT button is clicked:
    a. Accepts the simulation upload
    b. Accepts the test upload
    c. Validates the test and simulation
    d. Generates a product line

Door upload spreadsheet issues

The "data checker" on the new upload spreadsheet (v3.09), the Lab Report Test Tool, and CPD accept proper door descriptions. Therefore, no work around is required and the PANE ID # and PANE THICKNESS columns shall be left blank for opaque doors.

The following are still in affect:

- Rows in a simulation upload that contain an opaque door shall be setup in the following manner:
  - Tint shall contain the code "OT"
  - The U-factor, SHGC, and VT COG columns shall contain a value.
    - For products that cannot obtain a rating (VT rating for glass blocks): A zero (0) is entered in the corresponding SHGC or VT cog column, which will result in a "-" DASH for the corresponding rating.
    - Products that have a COG value that is equal to zero: The user shall use a value of 0.000001. Such as if the actual value for the SHGC is zero, the user will place a 0.000001 in the SHGC or VT $_{COG}$ column, which will result in the application using a 0.000001 for the SHGC calculation.
  - Spacer and Grid Type shall contain an "N".
  - Frame absorptance and emissivity shall contain a value.
  - The Frame, Sash, and door descriptions shall contain a code. Use "N" for not applicable from the NFRC CPD Code List in cases where the column description is not applicable to the product.
  - All door columns must be filled in with a code.
  - U-Factor shall contain a value.
  - Condensation Resistance, if applicable, shall contain a value.
  - The SHGC / VT 0 & 1 columns shall contain values, but may be applied to match the grid code.
- For rows where the option contains a glazing option, the glazing descriptions are filled out appropriately, as well as the spacer and grid columns. The use of ZERO or 0.000001 in the COG columns as well as the requirement to have a code for the frame, sash, and door descriptions still applies.

SHGC and VT COG columns

- As indicated above, the SHGC and VT cog columns contain specific values to meet a particular rating calculation. Unfortunately, the total rating calculation for both the SHGC and VT will be represented by a "-" in the interim when the total rating is less than 0.000001. For instance, if a door has a VT_{COG} value of 0.000001 and the 0 and 1 VT value is 0, the total VT rating calculation will be less than 0.000001, thus resulting in a dash for the rating.
- For issues where a calculation generates a rating error on a CAR, please contact the NFRC for these issues which will be handled on a case-by-case basis.

Simple Addendum Upload Process

The report type in the spreadsheet and the option to choose while uploading a spreadsheet shall be “Simple Addendum”. The lab will need to know the product line’s CPD # (XYZ-T-84), which will be placed in the corresponding cell labeled CPD Number. The application will automatically add individual products to the end of the product line starting with the next available individual product number; therefore, any starting number can be used for the product number on the upload spreadsheet with each added row thereafter having the proper subsequent individual product number. A simple addendum can contain single row or grouped rows of individual products. All rows for each new individual product shall be filled out completely in accordance with NFRC value and code requirements.

NOTE: The “Addendum” report type available in the upload spreadsheet and at the CPD Upload Screen is for complex addendums (adding options within a grouping).

If you have any questions please fell free to contact me at your convenience.

Best regards,

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