

February 13, 2009

RE: Information on how to setup spreadsheets for opaque doors, pending CPD 2.0 modifications, how to request new codes for the CPD, and other CPD information.

Hi Everyone:

This memo is to inform you how to setup a spreadsheet that to generate a CAR containing opaque doors, information about the pending modifications to the CPD by February 28th, a method to request a new code for the CPD, and other CPD information.

Using the Lab Report Test Tool

- **Using this lab report tool is a requirement for all simulation uploads.**
- Some of the issues the NFRC has been receiving were solved when staff ran the spreadsheet through the Lab Report Test Tool. The tool is useful for simulators to help alleviate issues that might have caused errors at the beginning of the certification process and to not slow down the IAs at the end of the process.
- Due to the size of some spreadsheets, very larger spreadsheets may time out. For large sheets (over four (4) MB) it is recommended to break up the spreadsheet and run the lab report test tool in stages.
- If you do run a large sheet and the system times out, the sheet actually is still running on the server and the system will get clogged, so please be careful not to run huge files.
- This is a first generation checking tool and will be modified to better server your needs. These modifications are listed in the CPD 2.0 Modifications section later in the document.

Door spreadsheet

- In order for door reports with opaque options to properly expand into the product line, the following is an interim process. NOTE: We will be modifying the CPD to accept opaque door spreadsheets without requiring PANE ID or PANE THICKNESS columns to be filled out.
- Rows in a simulation upload that contain an opaque door shall be setup in the following manner:
 - Pane ID #1 shall contain a value, such as 0
 - Pane Thickness #1 shall contain a value, such as 0
 - 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 Addendums

- For simple addendums, the simulator is STILL required to use the next available individual product number in the corresponding product line for the first option in the spreadsheet as indicated in the CPD Simulation Lab User Manual: A simple addendum contains individual product options that are not being added to an already “grouped” individual product option series under a group leader.
- This requirement will be dealt with by February 28th and is listed as one of the modifications below. All users will be notified about the implementation date.

Individual Product containing a “??” in a code field

- As indicated in a previous CPD correspondence, the “??” were inserted during the migration process from CPD 1.0 to CPD 2.0 in fields that contained either inaccurate codes or codes that are no longer active.
- Product lines containing a “??” in a field will be dealt with on a case-by-case basis. The information we need to support modifying the product lines containing “??” are: The product line CPD number, option numbers, the incorrect information and correct information.

CPD 2.0 modifications by February 28th:

Simple Addendums

- As indicated above, the simple addendum process will be revised not requiring the simulator to know and use the next available individual product number. Therefore the application will automatically add new options to the end of the product line regardless of the product number listed in the upload spreadsheet.

Upload Spreadsheet

- A new spreadsheet will be provided with a more enhanced data checker allowing the user to set up the sheet with no work around for opaque doors.

Lab Report Test Tool

- The simulation spreadsheet Lab Report Test Tool will be modified to provide feedback sooner to the user as well as to alleviate the web timeouts that are occurring. Here are the following modifications:
 - The Lab Report Test Tool will stop if the same error occurs 25 times or if there are more than 50 errors in a sheet.
 - In order to eliminate the system exceeding the memory size of the event log file, the results displayed in the event log will be modified. The log will display only the results of individual rows that contain errors, as well as listing the error. The log will display an accumulative statement regarding the amount of rows that “passed” during the checking process.
 - A feature will be in place to eliminate the browser timeouts.

Entry Doors

- The spreadsheets, Lab Report Test Tool, and CPD will be modified to handle doors properly. As indicated, the spreadsheet will be modified to allow the user to set up the sheet properly for doors, the Lab Report Test Tool will be modified to accept doors and to check the codes for door descriptions, and the CPD will handle the revised spreadsheet.

IA environment changes to CPD

- A streamlined process using the validation comparison screen to accept and publish product lines without having to visit the Test Report sheet.
- The ability to view all spreadsheet information on the upload page at 250 increments with maximum of 1000 lines to view.
- The validation coordination page will be properly presorted with the selection by manufacturer and report, as well as changing the drop down to include report number.

How to request a new code for the CPD

- A form is available on the CPD Info Web page to request a new code for the CPD. <http://www.nfrc.org/CPDInfo.aspx>
- Fill out the request form and forward your request to Scott Hanlon at shanson@nfrc.org
- The request will be reviewed by members of the DB Committee and if applicable, the approved code will be programmed in the CPD and implemented for usage.

CPD Info Web Page

Please visit the NFRC CPD Info Page which contains spreadsheets, manual, issue and code request forms, and a list of FAQ information documents for CPD 2.0 at

<http://www.nfrc.org/CPDInfo.aspx>.

Revision of CPD 1.0 Product Lines

- There is an issue when revising a CPD 1.0 product line group leader and we are currently looking into the matter.
- The group leader CPD number for a certified product line in the 1.0 environment is different than a group leader CPD number in the 2.0 environment and that is where the error is occurring when user tries to revise the existing CPD 1.0 product line.
 - o CPD1.0 group leader reads: XYZ-T-1-00001
 - o CPD2.0 group leader reads: XYZ-T-1-00001-00001
- CPD 1.0 existing product lines that require a revision to group leader options will be handled on a case-by-case basis.

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

Best regards,

Scott R. Hanlon