

# APD TRAINING

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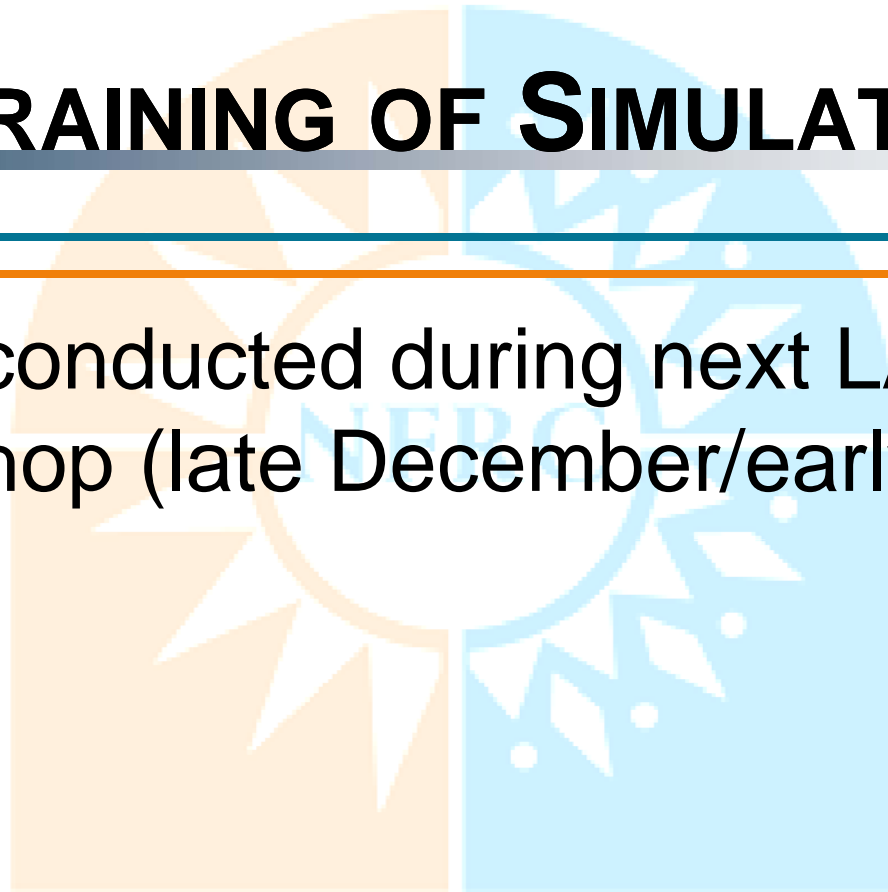
- APD
    - Timing of training of simulation laboratories
    - New Functions
    - Simulation Submissions
    - IA Home Page
    - Introduction to Archiving
    - Comments/Questions
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# **APD TRAINING OF SIMULATORS**

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- To be conducted during next LAP Workshop (late December/early Jan).



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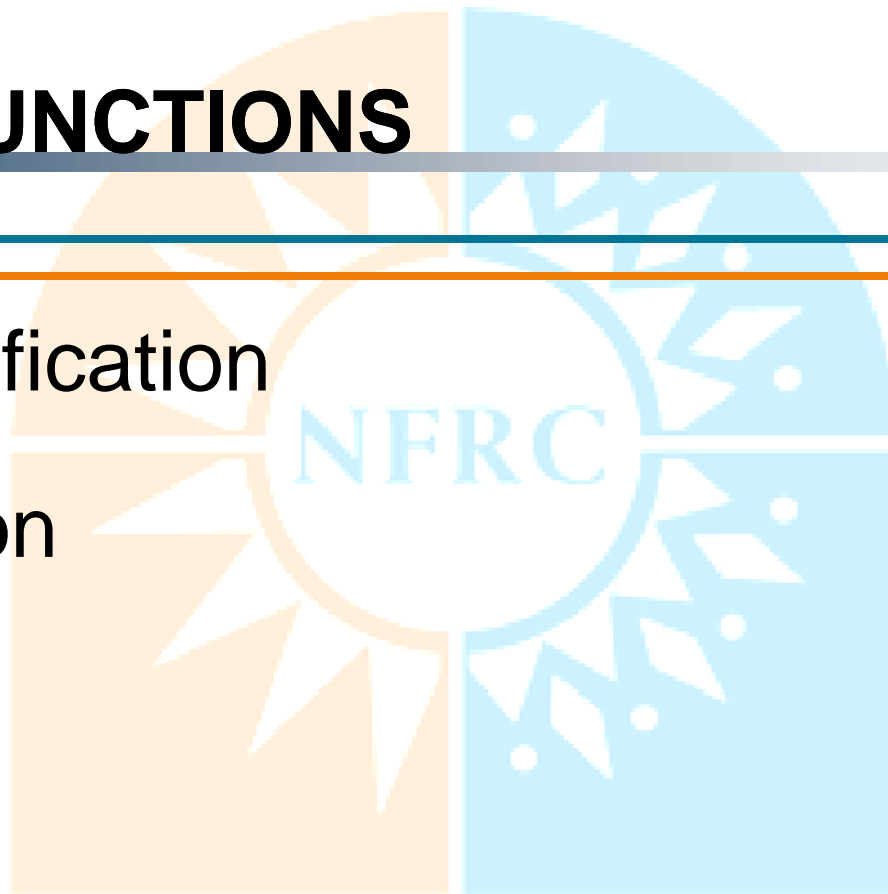
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# NEW FUNCTIONS

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- Recertification
- Revision



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# SIMULATION SUBMISSIONS

- Upload/Submittal Page Overview
- Procedural Overview

The screenshot shows the 'ATTACHMENT PRODUCTS DIRECTORY' web application. At the top left is the NFRC logo. The navigation menu includes 'Home', 'Lab Reports', 'IA Info', and 'My Account'. A 'Log off' link is on the left, and 'Welcome swendt-snfr' is on the right. The main content area is titled 'FIND MANUFACTURER' and features a search form with radio buttons for 'By Name' (selected) and 'By Code or ID'. A search input field and 'Search' and 'Show All' buttons are present. Below the search form is a dropdown menu for 'Selected Manufacturer:' with a yellow highlight on '<None Selected>'. To the right, there are fields for 'Submission Type:' (with a dropdown menu open showing options: '<None Selected>', 'New', 'U-Factor Addition', 'Recertification', 'Revision', 'Add Report'), 'Lab Type:', and 'Data File:' (with a 'Browse...' button). A note below the 'Data File' field reads '(after all other entries have been made.)'. A search results box at the bottom left displays 'No matches found.'

# SIMULATION SUBMISSIONS

- Recertification
  - Active and in-active product lines

The screenshot displays the 'ATTACHMENT PRODUCTS DIRECTORY' web application. At the top, there is a navigation bar with 'Home', 'Lab Reports', 'IA Info', and 'My Account' buttons, and a 'Log off' link. Below this is a search section titled 'FIND MANUFACTURER' with radio buttons for 'By Name' (selected) and 'By Code or ID'. A search input field and 'Search' and 'Show All' buttons are present. The search results show a table with columns 'Name', 'Code', and 'ID'. The first row is '123XYZ Company' with code 'XYZ' and ID '860'. Below this, there are filters for 'Selected Manufacturer: 860 - 123XYZ Company', 'Submission Type: Recertification', and 'Lab Type: Simulation'. A 'Select a Product Line:' label is followed by a table with columns 'CPD Number', 'Film Series/Model Name', 'Tint', and 'Film Location'. The table contains two rows: 'XYZ-T-017' with 'U-Factor test - 001', 'CL' tint, and 'Interior' location; and 'XYZ-T-018' with 'U-Factor test - 0011', 'CL' tint, and 'Interior' location.

ATTACHMENT PRODUCTS DIRECTORY

Home Lab Reports IA Info My Account

Log off

FIND MANUFACTURER

By Name  By Code or ID

Search

Show All

Name	Code	ID
123XYZ Company	XYZ	860
3M	MMM	1323

# A B C D E F G H I J K L M N O P Q R S T U V W X Y Z | All

Selected Manufacturer: 860 - 123XYZ Company

Submission Type: Recertification

Lab Type: Simulation

Select a Product Line:

CPD Number	Film Series/Model Name	Tint	Film Location
XYZ-T-017	U-Factor test - 001	CL	Interior
XYZ-T-018	U-Factor test - 0011	CL	Interior

# SIMULATION SUBMISSIONS

- Revision
  - Active product lines

The screenshot displays the 'ATTACHMENT PRODUCTS DIRECTORY' web application. At the top, there is a navigation bar with 'Home', 'Lab Reports', 'IA Info', and 'My Account' buttons. Below this is a 'Log off' link. The main content area features a 'FIND MANUFACTURER' section with radio buttons for 'By Name' (selected) and 'By Code or ID', a search input field, and 'Search' and 'Show All' buttons. A manufacturer selection dropdown is set to '860 - 123XYZ Company'. Below this, 'Submission Type' is set to 'Revision' and 'Lab Type' is set to 'Simulation'. A 'Select a Product Line:' dropdown is present. The main data table has columns for 'CPD Number', 'Film Series/Model Name', 'Tint', and 'Film Location'. Two rows are visible, both with 'CL' tint and 'Interior' location.

CPD Number	Film Series/Model Name	Tint	Film Location
<a href="#">XYZ-T-017</a>	U-Factor test - 001	CL	Interior
<a href="#">XYZ-T-018</a>	U-Factor test - 0011	CL	Interior

# SIMULATION SUBMISSIONS

- Edits to Product Line in APD

ATTACHMENT PRODUCTS DIRECTORY

Home
Lab Reports
IA Info
My Account

Log off

Cancel
Submit to IA

MANUFACTURER INFORMATION	
Name	123XYZ Company
Code	XYZ
Id	860
Status	Active

PRODUCT LINE INFORMATION	
CPD Number	XYZ-T-017
Series/Model Name	U-Factor test - 001
Attachment Type	Film
Film Application	I
Tint	CL
Rating Procedure	2004
Associated IA	T
Certification Date	11/30/2010 12:00:00 AM
Expiration Date	11/29/2014 12:00:00 AM
Status	

REPORT DETAILS	
Sim Report #	<input type="text"/>
Lab Code	SNFR
Simulation Date	<input type="text"/>
Report Date	<input type="text"/>
Submission Date	
Report Type	Recertification

Preview Calculations

SIMULATION DETAILS																	
Default Operator Type	Default Glazing Reference	Pane ID 1	Pane ID 2	Pane ID 4	Film-Pane Thickness 1	Film-Pane Thickness 2	Film-Pane Thickness 4	Film-Tint 1	Film-Tint 2	Film-Tint 4	SHGC COG	VT COG	SHGC No Film	SHGC w/ Film	VT No Film	VT w/ Film	U-Factor
Fixed	Single-Glazed Clear 3mm (1/8 inch)	<input type="text"/>	30038	<input type="text"/>	<input type="text"/>	0.118000	<input type="text"/>	<input type="text"/>	CL	<input type="text"/>	.859000	.899000	.710000	.714520	.740000	.736280	1.200000
Fixed	Double-Glazed Clear 3mm(1/8 inch)	<input type="text"/>	<input type="text"/>	30038	<input type="text"/>	<input type="text"/>	0.118000	<input type="text"/>	<input type="text"/>	CL	.816000	.884000	.630000	.679300	.670000	.724000	0.200000

# IA HOME PAGE

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- Lab Reports Tab
- U-factor Submissions Tab
- Recertification Tab
- Revision Tab

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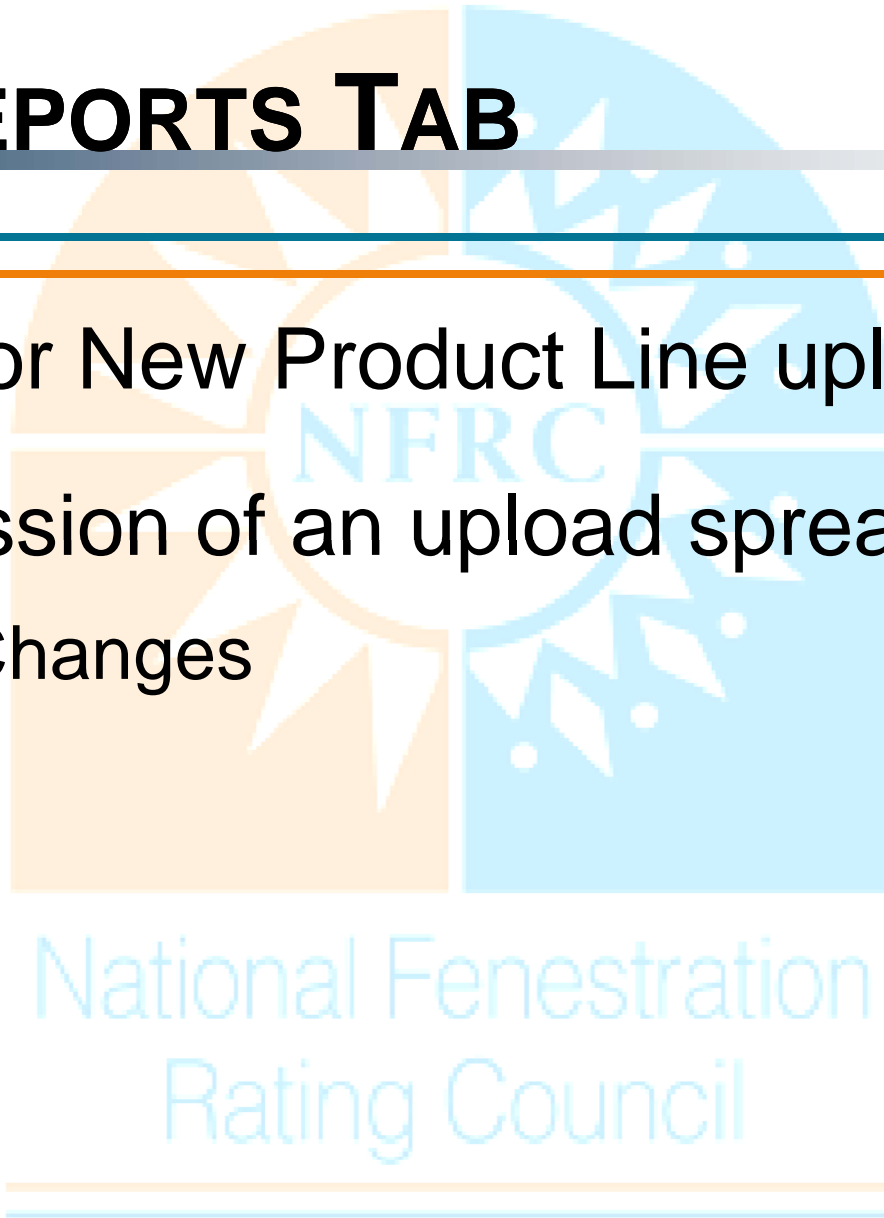


# LAB REPORTS TAB

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- Used for New Product Line uploads
- Submission of an upload spreadsheet only
  - No Changes



# **U-FACTOR SUBMISSIONS TAB**

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- No upload spreadsheets
  - Existing Product Line data edited by the lab
    - Introduces a U-factor rating to currently certified interior applied film product lines.
    - Any exterior applied film, expired, or other inactive status product lines are not available for U-factor addition.
- 
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# **U-FACTOR SUBMISSIONS (CONT.)**

- A manufacturer without a U-factor rating on a current certified interior applied film product line is not authorized to label. Simulations must be conducted and submitted for IA approval.

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# RECERTIFICATION TAB

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- No upload spreadsheets
  - Existing Product Line data edited by the lab
    - Product Line Information
      - Series/Model Name, Tint, Rating Procedure
    - Report Details
      - Sim Report #, Simulation Date, and Report Date
- 
-

## **RECERTIFICATION (CONTINUED)**

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- The APD will automatically populate the Lab Code, and Report Type from the user's login information.
- The APD will automatically populate the Submission Date after the lab selects "Submit to IA".

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# RECERTIFICATION (CONTINUED)

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- Simulation Details
    - Pane ID 1, 2, or 4
    - Film-Pane Thickness 1, 2, or 4
    - Film-Tint 1, 2, or 4
    - SHGC-COG
    - VT-COG
    - U-factor rating (for interior films only)
- 
-

# RECERTIFICATION (CONTINUED)

ATTACHMENT PRODUCTS DIRECTORY

Home
Manufacturer Info
IA Info
NFRC Reports
My Account

Log off

Cancel
Accept
Reject

MANUFACTURER INFORMATION	
Name	123XYZ Company
Code	XYZ
Id	860
Status	Active

PRODUCT LINE INFORMATION	
CPD Number	XYZ-T-017
Series/Model Name	Interior Film
Attachment Type	Film
Film Application	I
Tint	CL
Rating Procedure	2010
Associated IA	T
Certification Date	11/30/2010 12:00:00 AM
Expiration Date	11/29/2014 12:00:00 AM
Status	

REPORT DETAILS	
Sim Report #	Recertification
Lab Code	SNFR
Simulation Date	11/29/2011
Report Date	11/29/2011
Submission Date	11/28/2011 11:04:37 PM
Report Type	Recertification

SIMULATION DETAILS																	
Default Operator Type	Default Glazing Reference	Pane ID 1	Pane ID 2	Pane ID 4	Film-Pane Thickness 1	Film-Pane Thickness 2	Film-Pane Thickness 4	Film-Tint 1	Film-Tint 2	Film-Tint 4	SHGC COG	VT COG	SHGC Ilo Film	SHGC w/ Film	VT Ilo Film	VT w/ Film	U-Factor
Fixed	Single-Glazed Clear 3mm(1/8 inch)		30038			0.118000					.884000	.884000	.722927	.743394	.735750	.723474	0.350000
Fixed	Double-Glazed Clear 3mm(1/8 inch)			30038			0.118000				.884000	.884000	.642697	.743394	.666185	.723474	0.350000
Window Wall	Single-Glazed Clear 6mm(1/4 inch)		30039			0.118000					.884000	.444000	.731844	.791464	.775161	.389334	0.350000
Window Wall	Single-Glazed Grey 6mm(1/4 inch)		30046			0.118000					.884000	.814000	.521419	.791464	.389334	.713780	0.350000
Window Wall	Double-Glazed Clear 6mm(1/4 inch)			30039			0.118000				.884000	.786000	.631892	.791464	.689227	.689227	0.350000
Window Wall	Double-Glazed Grey 6mm(1/4 inch)			30039			0.118000				.884000	.395000	.414453	.791464	.346367	.346367	0.350000

# REVISION TAB

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- No upload spreadsheets
  - Existing Product Line data edited by the lab
    - Report Details
      - Sim Report #, Simulation Date, and Report Date
      - Lab Code - automatic populate from the user's login information.
      - Report Type automatic populate from the user's login information.
      - Submission Date – automatic populate upon submission
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# REVISION (CONTINUED)

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- Product Line Information
    - Series/Model Name, Tint, Rating Procedure
  - Simulation Details
    - Pane ID 1, 2, or 4
    - Film-Pane Thickness 1, 2, or 4
    - Film-Tint 1, 2, or 4
    - SHGC-COG
    - VT-COG
    - U-factor rating (for interior films only)
- 
-

# REVISION (CONTINUED)

ATTACHMENT PRODUCTS DIRECTORY

Home
Manufacturer Info
IA Info
NFRC Reports
My Account

Log off

Cancel
Accept
Reject

MANUFACTURER INFORMATION	
Name	123XYZ Company
Code	XYZ
Id	860
Status	Active

PRODUCT LINE INFORMATION	
CPD Number	XYZ-T-017
Series/Model Name	Interior Film
Attachment Type	Film
Film Application	I
Tint	CL
Rating Procedure	2010
Associated IA	T
Certification Date	11/30/2010 12:00:00 AM
Expiration Date	11/29/2014 12:00:00 AM
Status	

REPORT DETAILS	
Sim Report #	Recertification
Lab Code	SNFR
Simulation Date	11/29/2011
Report Date	11/29/2011
Submission Date	11/28/2011 11:04:37 PM
Report Type	Revision

SIMULATION DETAILS																	
Default Operator Type	Default Glazing Reference	Pane ID 1	Pane ID 2	Pane ID 4	Film-Pane Thickness 1	Film-Pane Thickness 2	Film-Pane Thickness 4	Film-Tint 1	Film-Tint 2	Film-Tint 4	SHGC COG	VT COG	SHGC No Film	SHGC w/ Film	VT No Film	VT w/ Film	U-Factor
Fixed	Single-Glazed Clear 3mm(1/8 inch)		30038			0.118000				CL	.884000	.884000	.722927	.743394	.735750	.723474	0.350000
Fixed	Double-Glazed Clear 3mm(1/8 inch)			30038			0.118000			CL	.884000	.884000	.642697	.743394	.666185	.723474	0.350000
Window Wall	Single-Glazed Clear 6mm(1/4 inch)		30039			0.118000				CL	.884000	.444000	.731844	.791464	.775161	.389334	0.350000
Window Wall	Single-Glazed Grey 6mm(1/4 inch)		30046			0.118000				CL	.884000	.814000	.521419	.791464	.389334	.713780	0.350000
Window Wall	Double-Glazed Clear 6mm(1/4 inch)			30039			0.118000			CL	.884000	.786000	.631892	.791464	.689227	.689227	0.350000
Window Wall	Double-Glazed Grey 6mm(1/4 inch)			30039			0.118000			CL	.884000	.395000	.414453	.791464	.346367	.346367	0.350000

# INTRODUCTION TO ARCHIVING

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- What is it for?
    - Capture and store historical product line information whenever a product line is revised or recertified. (Does not include '05' Archive status)
  - New user requirements?
    - No separate login or administrative page(s)
  - What will be available for viewing?
    - All product line data (including header and simulation details)
    - Submission type and date of submission approval
- 
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# INTRODUCTION TO ARCHIVING (CONT)

- Stored in a dedicated archive database
  - Users will access the archive viewer from the APD application via the product line details screen for those product lines with archive data available.

The screenshot shows a software interface with a navigation bar at the top containing a '< Back' button and a 'View Archived Product Line Data' button. Below the navigation bar, there are three main data sections: 'MANUFACTURE INFORMATION', 'PRODUCT INFORMATION', and 'REPORT DETAILS'. The 'MANUFACTURE INFORMATION' section includes fields for Name (123XYZ Company), Code (XYZ), Id (860), and Status (Active). The 'PRODUCT INFORMATION' section includes fields for CPD Number (XYZ-T-039), Series/Model Name (Interior Applied Film), Attachment Type (Film), Film Application (I), and Tint (OT). The 'REPORT DETAILS' section includes fields for Sim Report # (12345.1SEW), Lab Code (SNFR), Simulation Date (8/24/2011 12:00:00 AM), Report Date (8/1/2011 12:00:00 AM), and Submission Date (8/24/2011 3:52:57 PM). A mouse cursor is pointing at the 'View Archived Product Line Data' button.

MANUFACTURE INFORMATION	
Name	123XYZ Company
Code	XYZ
Id	860
Status	Active

PRODUCT INFORMATION	
CPD Number	XYZ-T-039
Series/Model Name	Interior Applied Film
Attachment Type	Film
Film Application	I
Tint	OT

REPORT DETAILS	
Sim Report #	12345.1SEW
Lab Code	SNFR
Simulation Date	8/24/2011 12:00:00 AM
Report Date	8/1/2011 12:00:00 AM
Submission Date	8/24/2011 3:52:57 PM

# **INTRODUCTION TO ARCHIVING (CONT)**

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- NFRC Admins, IAs, and MFRs user login information will be encrypted and securely passed to the archive viewer application to ensure users are only able to view the data they are associated with.

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# **INTRODUCTION TO ARCHIVING (CONT)**

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- Archive viewer application by pop-up screen.
- Screen color difference for easy recognition
  - Advantages: Side by side comparison with the active data for that same product line.

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# APD Training

Attachment Products Directory

ATTACHMENT PRODUCTS DIRECTORY

Home Manufacturer Info IA Info NFRC Reports My Account

Log off Welcome

< Back Recertification - 08/15/11 5:45:38 PM View Archived Product Line Data

MANUFACTURER INFORMATION		PRODUCT LINE INFORMATION		REPORT DETAILS		COMMENTS
Name	123XYZ Company	CPD Number	XYZ-T-039	Sim Report #	12345.1SEW	Add Comment
Code	XYZ					
Id	860					
Status	Active					

Archived Product Viewer - Windows Internet Explorer

ARCHIVED PRODUCT VIEWER

Close Archive View Recertification - 08/15/11 5:45:38 PM View Archived Product Line Data

MANUFACTURER INFORMATION		PRODUCT LINE INFORMATION		REPORT DETAILS	
Name	123XYZ Company	CPD Number	XYZ-T-039	Sim Report #	12345
Code	XYZ	Series/Model Name	Interior Applied Film	Lab Code	SNFR
Id	860	Attachment Type	Film	Simulation Date	8/1/20
Status	Active	Film Application	I	Report Date	8/1/20
		Tint	GY	Submission Date	8/12/2
		Rating Procedure	2010	Report Type	New
		Associated IA	T		
		Certification Date	8/12/2011 12:00:00 AM		
		Expiration Date	8/1/2015 12:00:00 AM		
		Status			

Recertification - 08/15/11 5:45:38 PM

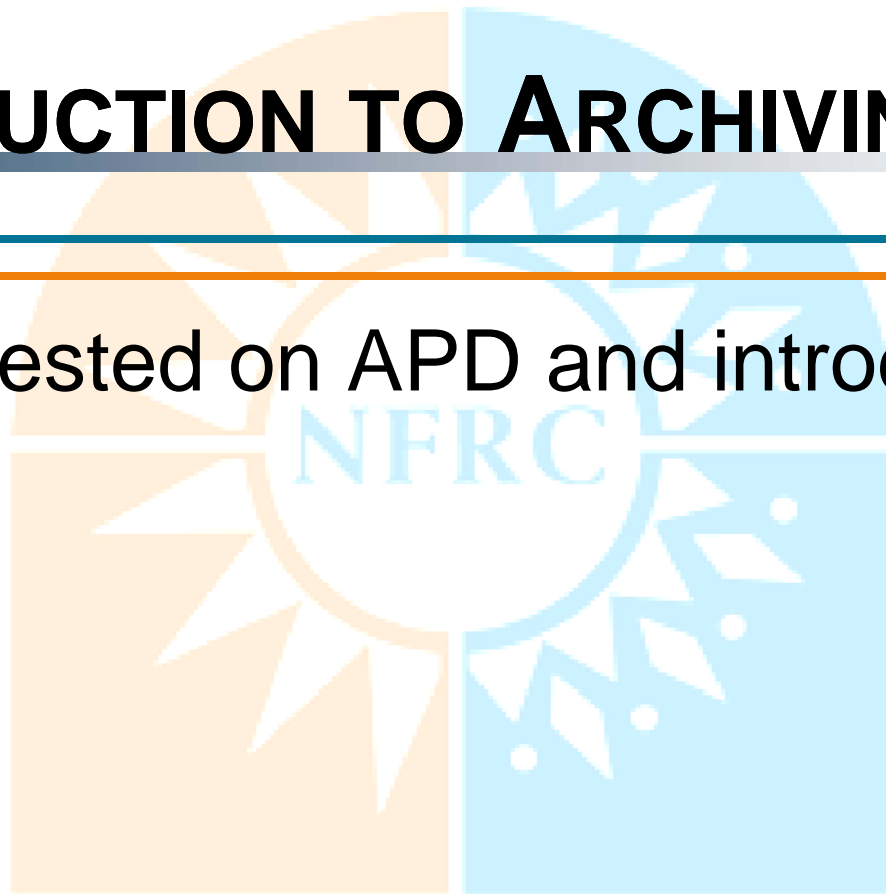
SIMULATION DETAILS		Pane ID 1	Pane ID 2	Pane ID 4	Film-Pane Thickness 1	Film-Pane Thickness 2	Film-Pane Thickness 4
Default Operator Type	Default Glazing Reference						
Fixed	Single-Glazed Clear 3mm(1/8 inch)						
Fixed	Double-Glazed Clear 3mm(1/8 inch)						
Window Wall	Single-Glazed Clear 6mm(1/4 inch)						
Window Wall	Single-Glazed Grey 6mm(1/4 inch)						
Window Wall	Double-Glazed Clear 6mm(1/4 inch)						

# **INTRODUCTION TO ARCHIVING (CONT)**

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- To be tested on APD and introduced into CPD



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