



# **Random Testing and Verification Testing**

Membership Meeting  
June 18, 2015



# Random Testing and Verification Testing Overview

Purpose: Retain credibility of CRRC-rated products in the marketplace by verifying reported solar reflectance and thermal emittance values

## CRRC Role

1. Administer program by coordinating with relevant parties (manufacturers, collection agencies, EPA)
2. Ensure consistency and impartiality by following procedures
3. Enforce compliance to program requirements
4. Complete program before end of the year



# Random Testing Working Group

- Goal: Streamline testing programs by improving existing procedures and policies
- Met in 2014 to update Procedure #1
- Updates were a success, group is currently dormant
- Participation in future meetings welcomed
  - Email: [mischa@coolroofs.org](mailto:mischa@coolroofs.org)

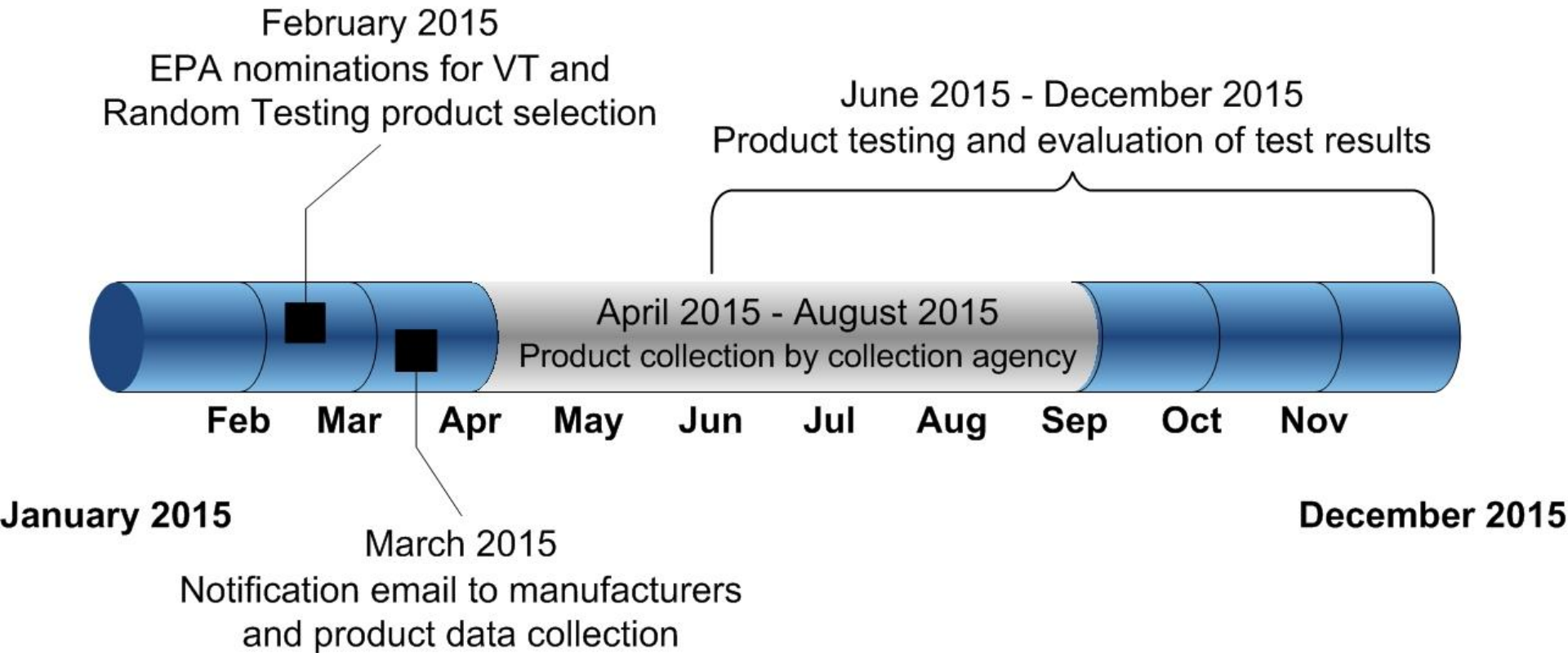


# Updates to Program for 2015

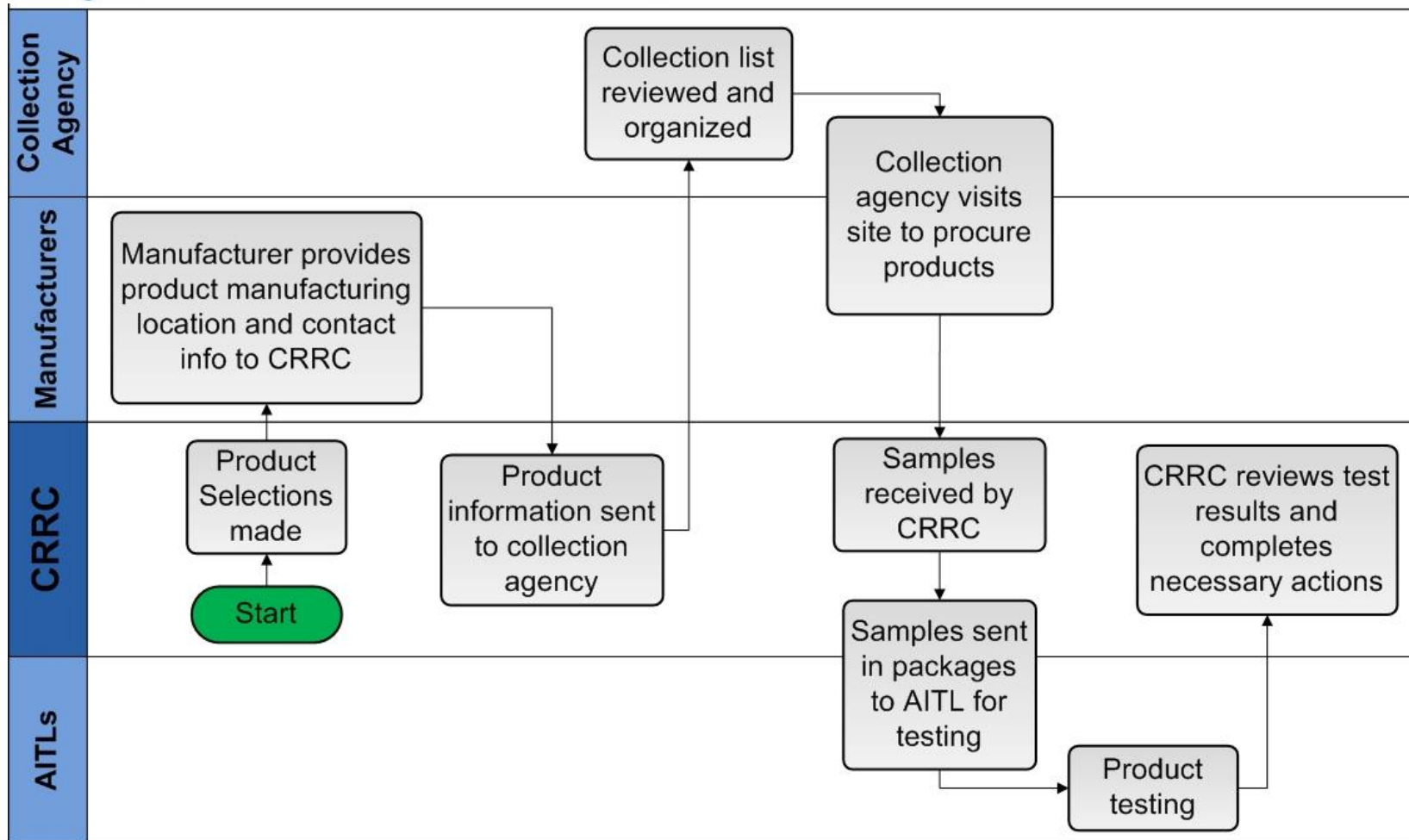
- Structure put in place to receive procurement information at the time of renewals
- Formulation of clear timeline and response requirements
  - Clarification on “Under Review” and “Suspension” statuses
- Updated timeline with UL



# Timeline for 2015



# 2015 Random Testing Process





# 2015 Random Testing Progress Summary

## Total Products: 117

- 26 overlap with Verification Testing, 91 Random Testing Only

At Stage	Number of products
Product info collection	Complete
In Procurement	97
Samples Received	14
Samples sent to AITL	4



# Previous Year Random Testing Progress Summary

**Total Products: 49**

At Stage	Number of products
Product info collection	2
In Procurement	42
Samples Received	5
Samples sent to AITL	5





# Verification Testing Requirements

- 10% of active, qualified products list must be randomly selected for Verification Testing
- EPA can nominate up to half of current year's products
- 2015 selections:

**53 VT Only**  
**+ 26 Overlap with RT**  

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**79 Total**

- EPA actively monitoring and supporting VT efforts
- Semi-annual report



# Differences between RT and VT

- Enforcement guidelines
- VT tests solely for solar reflectance
- Criteria for passing a product
  - RT:  $\pm 0.05$  tolerance
  - VT: minimum values dependent on product type

Product Type	Solar Reflectance
Low Slope	$\geq .65$
Steep Slope	$\geq .25$

Source: ENERGY STAR Program Requirements



# Verification Testing Progress Summary

**Total Products: 79**

- 53 VT Only

At Stage	Number of products
Product info collection	Complete
In Procurement	49
Samples Received	4
Samples sent to AITL	4

# Questions

