



# **Random Testing and Verification Testing**

Membership Meeting  
June 19, 2014



# Random Testing and Verification Testing Overview

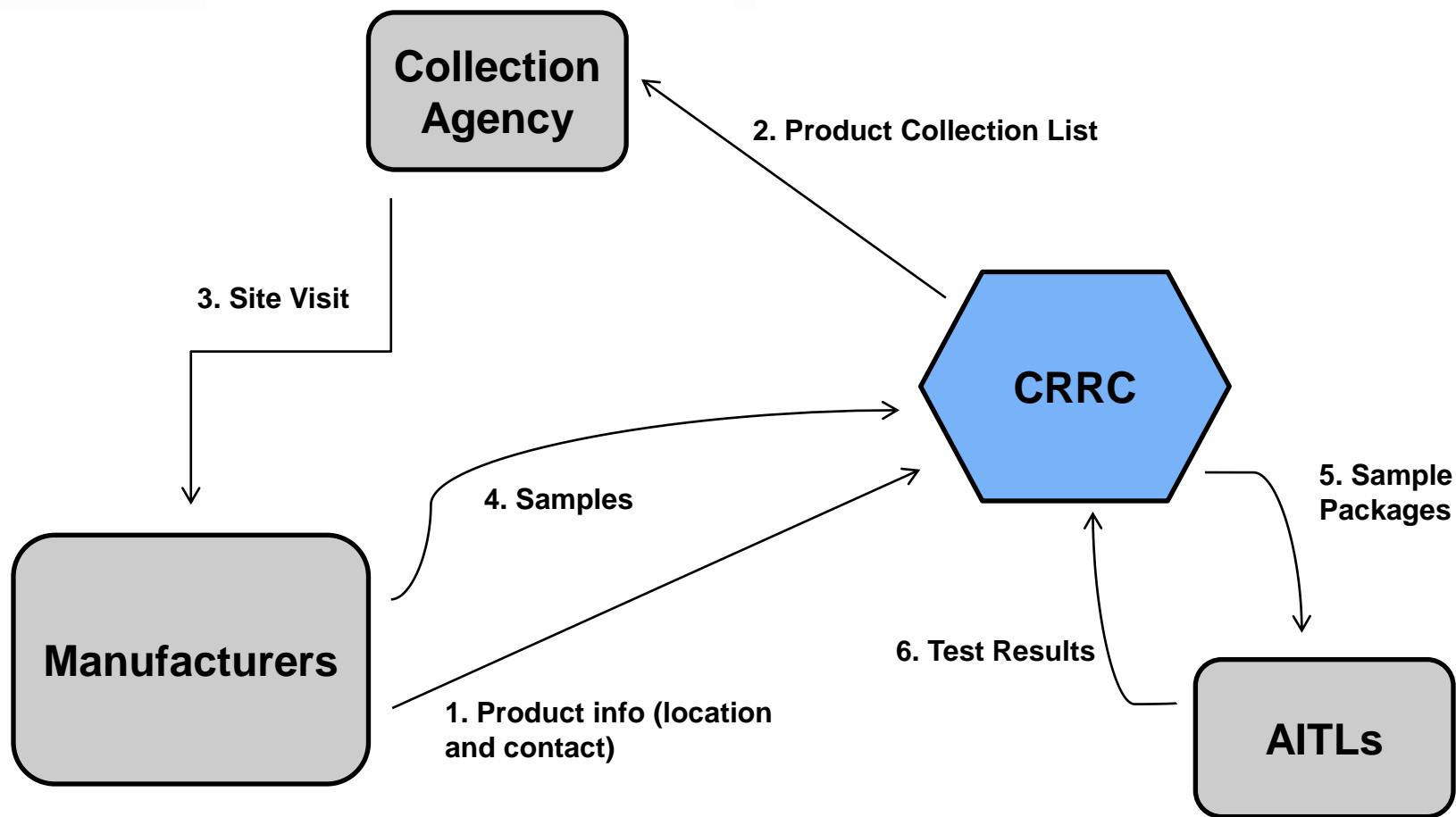
- Purpose: Retain credibility of CRRC-rated products in the marketplace by verifying reported solar reflectance and thermal emittance values
- CRRC Role
  1. Administer program by coordinating with relevant parties (manufacturers, collection agencies, EPA)
  2. Ensure consistency and impartiality by following procedures
  3. Enforce compliance to program requirements
  4. Complete program before end of the year



# Timeline for 2014

Action	Date
• EPA nominations for VT and random product selection	Jan - Feb
• Notification email to manufacturers and product data collection	Feb - Mar
• Product collection by collection agency	Mar - Sept
• Product testing and evaluation of test results	May - Dec

# 2014 Random Testing Process





# 2014 Random Testing

Progress – 109 (RT) and 37 (VT) Total

At Stage	Number of products
1. Product info collection	6
3. Manufacturer site visits	81
5. Sample packages to AITLs	22



# 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

– 2014:

***37 VT only***  
***+ 37 RT overlap***  
***74 Total***

- EPA actively monitoring and supporting VT efforts



# 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



## Changes to 2014 VT

- EPA Policy Update – “Products not available”
  - Products which cannot be easily procured due to no recent sales in U.S./no inventory
  - ENERGY STAR certification terminated temporarily
  - Can be re-activated once product sold to consumer or manufactured (i.e. “becomes available”)
- Immediate impact on manufacturers and consumers





# Random Testing Working Group

- Goals: Streamline testing programs by improving existing procedures and policies
- Currently looking to resolve issues related to product availability
- Participation in future meetings welcomed
  - Email: [arshak@coolroofs.org](mailto:arshak@coolroofs.org)



# Questions

