



ENERGY STAR® Products Enhanced Testing and Verification: Windows, Doors, and Skylights

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Agenda



- Overview of Enhanced Testing and Verification Requirements for ENERGY STAR
- Current approach to certification for windows, doors and skylights through NFRC
- Discussion
 - Verification testing – blind purchasing
 - Other

Key Elements of Enhanced Testing Requirements



- Testing and reporting prior to qualification
 - Ensure that EPA has testing information on all products prior to labeling
 - Require test data from accredited labs that is representative of the product in the marketplace
- Continued testing after qualification
 - Verify that products continue to meet the ENERGY STAR requirements regardless of changes in the production process
 - Provide consumers with confidence that ENERGY STAR products are delivering the savings they expect

ENERGY STAR Enhanced Testing and Verification – Market-Based Testing Program

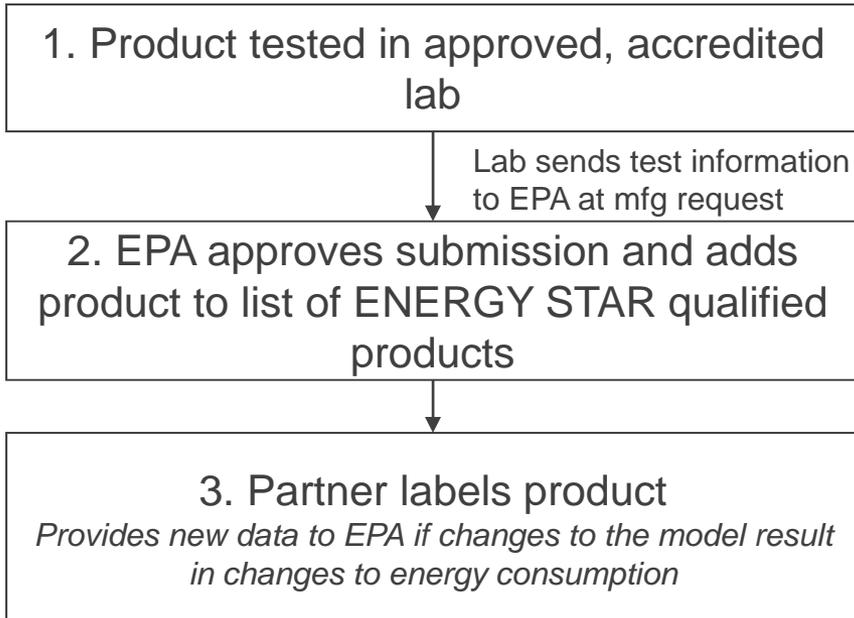


Market-Based Testing

Scope: All ENERGY STAR Product Categories

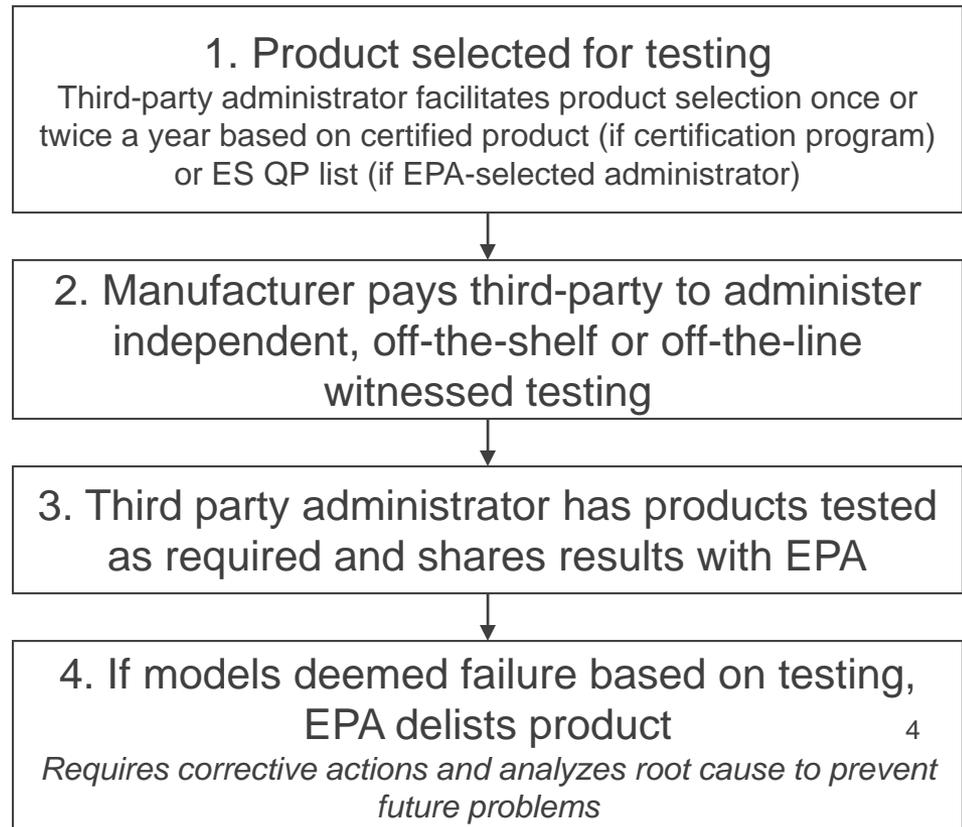
Qualification Testing

Purpose: Ensure that testing is conducted as required by ENERGY STAR specification and that lab submits test results to EPA that are representative of products sold to customer



Verification Testing

Purpose: Ensure that products continue to meet ENERGY STAR requirements



Third Party Certification and Verification Testing



- Laboratory requirements – preference to third-party labs with considerations for manufacturers in-house labs
- Formal market-based certification programs to administer testing
- Verification testing to be conducted on all products within certain timeframe
- Potential for multiple certification/verification programs to serve this function
 - Off-the-shelf testing where possible
 - Combination of random testing and selected products
- Challenge testing requirements

Current Approach to NFRC Certification



- Product Certification Program
- Laboratory Accreditation Program
- Certification and Inspection Agency Program
- Compliance Assurance and Monitoring Program

Considerations for Discussion



- Verification Testing through blind-purchasing (NFRC proposed program)
- Other

Next Steps



- Comments due April 30, 2010
 - ENERGYSTARVerificationProgram@energystar.gov
- Complete draft including product-specific requirements – May 2010
- Finalize Requirements – July/August 2010
- Phase-in verification testing requirements allowing adequate time for certification programs to be developed and lab accreditation to occur

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