



**WaterSense<sup>®</sup> Product Certification System  
Version 2.1**

**January 31, 2016**

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## 1.0 INTRODUCTION

WaterSense, a partnership program sponsored by the U.S. Environmental Protection Agency (EPA), seeks to protect the future of our nation's water supply by offering people a simple way to use less water with water-efficient products, new homes, and services. To achieve the mission of the WaterSense program, EPA establishes partnerships with interested stakeholders, such as product manufacturers, retailers, and water utilities. EPA provides and maintains the WaterSense brand and develops national specifications for water-efficient products and programs.

EPA requires all products bearing the WaterSense label to be assessed for conformance to the relevant WaterSense product specification by an accredited, independent, third-party product certifying body. EPA will license accredited product certifying bodies to certify that products conform to applicable specifications and to authorize the use of the WaterSense label in conjunction with the certified product.

The international criteria for the accreditation of product certifying bodies operating product certification programs for tangible products, processes, and services are detailed in International Organization for Standardization/International Electrotechnical Commission (ISO/IEC) 17065, *Conformity assessment—Requirements for bodies certifying products, processes, and services*.

This *WaterSense Product Certification System* (product certification system) specifies the minimum requirements that EPA-licensed product certifying bodies (licensed certifying bodies) shall observe when operating third-party certifications of product conformance to WaterSense product specifications and authorizing the use of the WaterSense label. It provides specific requirements in the application of ISO/IEC 17065 in order to satisfy the requirements implicit in the certification of products for WaterSense and provides the basis for consistent application of this product certification system by licensed certifying bodies.

This document, with respect to the certification and labeling of products for WaterSense, shall be read in conjunction with ISO/IEC 17065.

The requirements of this product certification system are applicable to EPA-approved accreditation bodies (approved accreditation bodies), licensed certifying bodies, and the manufacturers that are obtaining product certification. Figure 1 (at the end of this document) portrays the key elements of this product certification process and the relationships between EPA, the manufacturer, the licensed certifying body, and the accreditation organization.

Certification by a licensed certifying body is not a statement that the licensed certifying body guarantees the efficiency and performance of a WaterSense labeled product. It is also not a guarantee that all of the aspects of a relevant WaterSense product specification are being met or will continue to be met at all times. The certification and labeling of a product for WaterSense is a statement that a product has been demonstrated to conform to the relevant WaterSense product specification, and that the validation and verification of conformance to the WaterSense product specification has been evaluated and determined to meet the necessary requirements. It is also a statement of the product manufacturer's commitment to:

- Manufacture water-efficient products in accordance with relevant WaterSense product specifications.

- Comply with requirements of the *Manufacturer Partnership Agreement*, *WaterSense Program Guidelines*, and *WaterSense Program Mark Guidelines*.

## 2.0 EFFECTIVE DATE

Version 2.1 of this product certification system shall be effective on January 31, 2016.

Certifying bodies currently licensed by EPA to certify products in accordance with Version 2.0 of this product certification system shall begin complying with Version 2.1 of this product certification system by no later than January 31, 2016. EPA considers the revisions made in Version 2.1 of this product certification system to be editorial in nature, serving to clarify existing requirements. As a result, licensed certifying bodies do not need to be fully reaccredited for compliance with this version of the product certification system as of the date the system becomes effective.

However, as part of its routine assessment of EPA's licensed certifying bodies, the accreditation body shall evaluate compliance with any clarified requirements. Once this evaluation is complete, the accreditation body shall update the licensed certifying body's certificate of accreditation to indicate compliance with Version 2.1 of the product certification system. The licensed certifying body's certificate of accreditation shall be updated to indicate compliance with Version 2.1 of this product certification system from an approved accreditation body within one year of the effective date. The licensed certifying body shall notify EPA at [watersense@epa.gov](mailto:watersense@epa.gov) when its certificate of accreditation is updated.

Any new product certifying bodies shall obtain accreditation to Version 2.1 of this product certification system and become licensed by EPA to certify products for the WaterSense program. Upon initial accreditation in accordance with Version 2.1 of this product certification system, certifying bodies shall email a copy of the accreditation certificate to EPA at [watersense@epa.gov](mailto:watersense@epa.gov).

## 3.0 TECHNICAL REQUIREMENTS

### 3.1 Scope

This product certification system applies to the certification of product conformance to the technical and labeling requirements of relevant WaterSense product specifications and includes all processes and services used to make a final product.

EPA develops WaterSense product specifications for various products or product categories. Specifications detail the attributes products are required to have in order to bear the WaterSense label. Current WaterSense product specifications are available in the compendium of WaterSense product and program specifications, found on the WaterSense website at [www.epa.gov/WaterSense/partners/product\\_program\\_specs.html](http://www.epa.gov/WaterSense/partners/product_program_specs.html). EPA may modify the compendium as necessary to incorporate any additional or revised WaterSense product specifications, as well as any technical clarifications issued for existing WaterSense product specifications.

This product certification system, product specifications, technical clarifications, the *WaterSense Program Guidelines*, and the *WaterSense Program Mark Guidelines* provide the purpose and

the minimum requirements for certification by a licensed certifying body. Licensed certifying bodies shall refer to ISO/IEC 17065 for guidance on any issues not specifically addressed in these governing documents.

### **3.2 References and Definitions**

The following referenced documents are indispensable for the application of this product certification system. Definitions within these documents are included by reference. Undated references indicate that the latest edition of the referenced document applies.

WaterSense product specifications and technical clarifications developed and maintained by EPA and contained in the online compendium.

*WaterSense Program Guidelines* developed and maintained by EPA.

*Manufacturer Partnership Agreement* between EPA and the manufacturer of WaterSense labeled products.

*Retailer/Distributor Partnership Agreement* between EPA and the retailer or distributor of WaterSense labeled products that are private labeled, as described in the *WaterSense Program Guidelines*.

*WaterSense Program Mark Guidelines* developed and maintained by EPA.

*Response to Public Comments Received on June 2011 WaterSense Draft Revised Product Certification System*, September 29, 2011, developed by EPA. Note this document may be useful for interpreting requirements contained in this product certification system.

ISO/IEC 17065, *Conformity assessment—Requirements for bodies certifying products, processes, and services*.

ISO/IEC 17000, *Conformity assessment—Vocabulary and general principles*.

ISO/IEC 17011, *Conformity assessment—General requirements for accreditation bodies accrediting conformity assessment bodies*.

ISO/IEC 17025, *General requirements for the competence of calibration and testing laboratories*.

ISO/IEC 17043, *Conformity assessment—General requirements for proficiency testing*.

Other definitions applicable to this product certification system include:

**Independent Testing Laboratory:** A laboratory independent of manufacturing interests that has been recognized by the licensed certifying body to test specified categories of products and issue test reports.

**Product Packaging:** Includes the physical product package, as well as technical documentation about the product, generated by the manufacturer or private labeler (e.g., product specification sheet).

**Supervised Manufacturer's Testing Laboratory (SMTL):** A manufacturer's laboratory being used by the licensed certifying body to conduct agreed-upon testing within categories of products for which the manufacturer has design and production responsibility, generally with licensed certifying body supervision of tests and quality processes. All product testing done as part of the product's certification is supervised by a competent member of the licensed certifying body's staff. Supervision includes a review and auditing of the laboratory procedures, including periodic (but not necessarily 100 percent) witnessing of product testing.

**Witnessed Manufacturer's Testing Laboratory (WMTL):** A manufacturer's laboratory being used for 100 percent witnessed testing by the licensed certifying body. All product testing done as part of the product's certification is directly witnessed by a competent member of the licensed certifying body's staff.

## **4.0 ACCREDITATION BODIES**

### **4.1 Eligibility Requirements**

Accreditation of product certifying bodies in accordance with this product certification system shall be offered by a WaterSense-approved, U.S.-domiciled accreditation body that:

- Operates in accordance with the requirements of ISO/IEC 17011.
- Offers accreditation services to ISO/IEC 17065.
- Is an IAF Multilateral Recognition Agreement (MLA) signatory for products.
- Has procedures for recognizing and accepting accreditations for licensed certifying bodies previously accredited by another EPA-approved accreditation body. This shall include a process for disclosing these procedures and associated costs to certifying bodies at the time of application or upon any subsequent changes to the procedures.

### **4.2 Application**

Accreditation bodies intending to accredit product certifying bodies for WaterSense shall apply to EPA for approval via an application letter. The applicant shall demonstrate in its application that it has met the criteria outlined in Section 4.1 and shall provide proof of its IAF MLA for products. EPA will enter into a Memorandum of Understanding (MOU) with the approved accreditation body, which will describe the roles and responsibilities of both parties.

### **4.3 Accreditation Requirements**

The accreditation body shall accredit product certifying bodies for WaterSense in accordance with ISO/IEC 17065, this product certification system, and the relevant WaterSense product specification(s).

The accreditation body shall maintain an updated certificate of accreditation for the licensed certifying body, which shall include this product certification system name (*WaterSense Product*

*Certification System*) and version number to which the product certifying body has been most recently assessed and accredited. The certificate shall also include the name(s) and version number(s) for all relevant scopes of accreditation specific to the individual WaterSense product specifications for which the licensed certifying body has been accredited. In addition, the accreditation body shall maintain on its website an updated listing of this accreditation information relevant to each product certifying body.

## **5.0 PRODUCT CERTIFYING BODIES**

### **5.1 Eligibility Requirements**

Certification of products in accordance with this product certification system shall be offered by a certifying body that:

- Is accredited and licensed in accordance with Sections 5.2 and 5.3, respectively.
- Has policies and procedures in place to comply with the evaluation resources requirements in accordance with Section 5.4.
- Does not act as an advocate in the marketplace for the products it certifies.

Additionally, and consistent with ISO/IEC 17065, the certifying body:

- Is responsible for the impartiality of its certification activities and does not allow commercial, financial, or other pressures to compromise its impartiality.
- Identifies risks to its impartiality on an ongoing basis and demonstrates how it eliminates or minimizes such risks to an acceptable level.
- Does not design, manufacture, install, distribute, maintain, or act as an advocate for the certified product in the marketplace, or provide consultancy to its clients related to the products it certifies. This also applies to any part of the licensed certifying body's same legal entity and entities under the licensed certifying body's control.

### **5.2 Accreditation**

Product certifying bodies shall be accredited in accordance with ISO/IEC 17065 to operate this product certification system and certify products to the relevant WaterSense product specifications contained in the compendium posted online.

The accreditation shall be issued by an approved accreditation body. A list of approved accreditation bodies that are authorized to provide accreditation services in accordance with this product certification system is available on the WaterSense website at [www.epa.gov/watersense/about\\_us/cert\\_bodies.html](http://www.epa.gov/watersense/about_us/cert_bodies.html).

Product certifying bodies can seek accreditation for any or all of the final WaterSense product specifications contained in the online compendium. The product certifying body shall have listed in its scope of accreditation the specific WaterSense product specifications relevant to the products it intends to certify. The licensed certifying body is only required to update its scope of accreditation to include a revised specification for a specific product category when major changes to the test methods identified in the relevant WaterSense product specification are made, as indicated by EPA.

The licensed certifying body's certificate of accreditation shall include this product certification system name (*WaterSense Product Certification System*) and version number to which it has been most recently assessed and accredited. The certificate shall also include the name(s) and version number(s) for all relevant scopes of accreditation specific to the individual WaterSense product specifications for which the licensed certifying body has been accredited.

In the event an accreditation body loses EPA approval to accredit product certifying bodies for WaterSense, EPA will notify the affected licensed certifying bodies and will provide them with a transition period of one year (from the termination date of the approval of its accreditation body) to seek and obtain accreditation by another currently approved accreditation body and to reapply to EPA to certify products for WaterSense. After this transition period, if a licensed certifying body does not obtain accreditation by an approved accreditation body and reapply to EPA for licensure, EPA may terminate the certifying body's licensing agreement.

The licensed certifying body shall have procedures in place to accept the certification for a manufacturer's products that were previously certified by another EPA licensed certifying body. This should generally include the acceptance of all data and information generated from the certification, so as to reduce or eliminate requirements for product reevaluation. This acceptance is contingent upon the manufacturer's good standing with its previous licensed certifying body and its licensed certifying body's loss of accreditation as a result of its accreditation body losing its status as an EPA-approved accreditation body.

### **5.3 Licensing**

The product certifying body shall sign a licensing agreement with EPA after receiving accreditation to certify and label products for WaterSense, but prior to issuing any authorization to use the WaterSense label. This shall include a separate licensing agreement amendment identifying each product specification for which it is accredited and is seeking licensure to certify. This licensing agreement shall provide the conditions for authorizing the use of the WaterSense label to manufacturers of certified products.

As part of the responsibilities for certifying products and authorizing the use of the WaterSense label, the licensed certifying body shall allow EPA or its agents to accompany the approved accreditation body on any routine or follow-up assessments of the licensed certifying body's accreditation, including any testing laboratories, as it relates to the WaterSense program.

EPA reserves the right to terminate the licensing agreement for any certifying body that does not maintain an active accreditation for the relevant product category as outlined in this product certification system.

#### **5.3.1 Transitional Approval**

As a part of the process for obtaining accreditation to certify specific products for WaterSense, interested product certifying bodies may seek transitional approval and licensing from EPA if they wish to certify products to the relevant WaterSense product specifications. EPA will offer this transitional approval initially as final product specifications are released and prior to the product certifying body's ability to obtain accreditation and the appropriate scope extension to



certify the relevant products for WaterSense, as required in Section 5.2 of this product certification system.

### **5.3.1.1 Transitional Approval Eligibility**

In order to be eligible to certify products under this transitional approval process, product certifying bodies shall:

- Be currently accredited and licensed to certify products in accordance with this product certification system.
- Use only those test facilities that demonstrate compliance to ISO/IEC 17025 (see Section 5.4).
- Comply with the requirements of the *WaterSense Program Guidelines* and *WaterSense Program Mark Guidelines*.
- Demonstrate competence to perform certification by one of three methods:
  - Provide proof of an existing accreditation to certify products in accordance with the test methods referenced in the relevant WaterSense product specification.
  - Attend training on the test methods to be used in the relevant WaterSense product specification.
  - Participate in the development of the test method for the relevant WaterSense product specification.

### **5.3.1.2 Transitional Approval Requirements**

Upon EPA's written notification that the transitional approval and licensing for the relevant WaterSense product specification is available, interested and qualified product certifying bodies may submit an application letter to EPA that includes appropriate supporting information as follows:

- Documentation of its application to the appropriate accreditation body for a scope extension to include the relevant WaterSense product specification.
- A declaration of competence. In addition to the general requirements for demonstration of competence outlined above under Section 5.3.1.1, EPA will identify any specific components of this declaration that are necessary for each relevant product specification.
- The name and contact information for the responsible official that will be in charge of product certification for the relevant product specification. This should be the same point of contact that will be listed on the WaterSense website at [www.epa.gov/watersense/about\\_us/cert\\_bodies.html](http://www.epa.gov/watersense/about_us/cert_bodies.html).
- A signed licensing agreement amendment identifying the relevant WaterSense product specification to which it wishes to certify products.

### **5.3.1.3 EPA Transitional Approval and Licensing**

EPA will notify product certifying bodies that are approved under this transitional process and will sign and return the executed licensing agreement amendment signifying the product certifying body's approval to begin certifying products to the relevant product specification. This transitional process will remain in effect for a period of time, specified by EPA, from the date EPA opens the transitional approval and licensing process for a specific product category, or

until the certifying body obtains and submits to EPA documentation of the appropriate scope extension from its accreditation body for the relevant WaterSense product specification. Documentation of scope extension, including an updated certificate of accreditation that indicates the relevant WaterSense product specification name and version number, shall be provided to EPA within 60 days of accreditation.

Once the licensed certifying body submits to EPA documentation of the appropriate scope extension from its accreditation body for the relevant WaterSense product specification, EPA will remove the transitional status from the certifying body's records and the certifying body will continue to be eligible to offer certifications for the relevant product as outlined in this product certification system. The existing licensing agreement amendment signed under the transitional approval will remain in full force and effect.

#### **5.3.1.4 Conditions for Transitional Licensing Termination**

EPA reserves the right to terminate the licensing agreement for any certifying body that is approved and licensed under this transitional process, but that does not obtain the appropriate scope extension from its accreditation body for the relevant WaterSense product specification within the timeframe specified.

#### **5.3.1.5 Eligibility of Product Certifying Bodies Not Meeting Transitional Requirements**

At any time, any product certifying body that wishes to certify products to a WaterSense product specification but that does not meet the requirements for transitional approval and licensing may still apply for licensure from EPA once it has obtained accreditation and the appropriate scope extension from an approved accreditation body for the relevant WaterSense product specification, as outlined in Section 5.2 of this product certification system.

### **5.4 Testing and Evaluation Resources**

The licensed certifying body shall determine the means it will use to generate and/or accept test data. All resources used to generate test data (e.g., testing laboratories) shall demonstrate compliance with ISO/IEC 17025<sup>1</sup> and the relevant WaterSense product specification, as well as meet the relevant requirements outlined in this section. In addition, all test reports generated shall be accompanied by the following statement, located either on the test report or an attached cover sheet:

*"I understand that intentionally submitting false information to the U.S. government or its agent is a criminal violation of the False Statements Act, Title 18 U.S.C. section 1001."*

#### **5.4.1 Internal Resources**

If the licensed certifying body performs testing activities with its own resources it shall ensure that the personnel conducting the testing and releasing the completed test data (also includes any additional technical review by laboratory in charge) have the necessary competence and

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<sup>1</sup> Note that ISO 9001 *Quality Management Systems* registration is not considered a substitute for, or equivalent to, compliance with ISO/IEC 17025.

expertise in terms of earned education, experience in relevant field, and applicable certification and/or license.

#### **5.4.2 External Resources (Outsourcing)<sup>2</sup>**

Licensed certifying bodies may operate a testing program to accept data from the following types of testing laboratories:

- Independent testing laboratories meeting the requirements in this section.
- Manufacturers' laboratories that participate in a WMTL meeting the additional requirements outlined in Section 5.4.2.1
- Manufacturers' laboratories that participate in an SMTL program meeting the additional requirements outlined in Section 5.4.2.2.

When using an external resource to perform testing activities, the licensed certifying body shall:

- Ensure that the personnel conducting the testing have the necessary competence and expertise, as described for internal resources in Section 5.4.1.
- Assure that the evaluation activities are managed in a manner that provides confidence in the results and that records are available to justify such confidence.
- Have a legally binding contract with the external resource, including requirements for maintaining confidentiality and avoiding conflicts of interest.
- Take responsibility for all evaluation activities outsourced.
- Ensure that the external resource that conducts the outsourced evaluation activities, and the personnel that it uses, conform to the applicable requirements of ISO/IEC 17065 and this product certification system.
- Ensure that the external resource and the personnel that it uses are not involved in such a way that could compromise the credibility of the results.
- Have documented policies and procedures for the qualifying, assessing, and monitoring of all external resources that provide outsourced evaluation activities.
- Require its external resources to participate in proficiency testing in accordance with the licensed certifying body's policies and procedures, when deemed necessary by EPA or the accreditation body.
- Maintain a list of all external resources used and make this list available for EPA or the accreditation body to review.

##### **5.4.2.1 Witnessed Manufacturer's Testing Laboratory Programs**

When operating a WMTL program, the licensed certifying body shall:

- Ensure that all tests are carried out in accordance with the relevant WaterSense product specification.
- Witness and check all critical aspects of the test.
- Witness the final data acquisition.

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<sup>2</sup> For the purpose of this product certification system, the terms "outsourcing" and "subcontracting" are synonymous. Evaluation activities can be outsourced to other product certifying bodies.

- Ensure that the licensed certifying body personnel that witness the test have the necessary competence and expertise.
- Verify that all test reports provided by the WMTL record the name and address of the laboratory used and identify the manufacturer's qualified tester and the licensed certifying body's witness.

#### **5.4.2.2 Supervised Manufacturer's Testing Laboratory Programs**

To be eligible to participate in an SMTL program, a manufacturer shall have a contractual relationship with the licensed certifying body for at least two years and:

- Be currently enrolled in an SMTL program with the licensed certifying body for the relevant product category; OR
- Participate in a WMTL program for the relevant product category for at least two years.

When operating a SMTL program, the licensed certifying body shall:

- Document its confidence in the SMTL's quality processes. As the experience of the SMTL develops, and confidence in the management of the laboratory grows, the focus of supervision visits may shift gradually away from the witnessing of tests toward the examination and improvement of the overall quality process.
- Verify that the manufacturer's laboratory operates independently of other departments within the organization (e.g., production, marketing).
- Ensure that the staff employed in testing at the manufacturer's laboratory report to senior managers within the laboratory and are not subject to influence or conflict of interest outside of the laboratory management structure.
- Ensure that all tests are carried out in accordance with the relevant WaterSense product specification.
- Ensure that the manufacturer's laboratory has adequate resources for each test method (e.g., trained and qualified personnel, calibrated equipment, and proper testing location and set-up, along with data collection capabilities) to conduct the testing in accordance with the relevant WaterSense product specification.
- Audit the SMTL's procedures onsite against the requirements of ISO/IEC 17025 and the applicable test method(s) at least once per year by, at a minimum:
  - Supervising product testing.
  - Reviewing relevant test reports in progress.
- Maintain records of the dates and elements of performed supervision, including what tests were observed, observations made, and advice provided to the SMTL during visits.
- Provide an independent review of all test reports prepared by the SMTL.
- Verify that all test reports provided by the SMTL record the name and address of the laboratory used and identify the manufacturer's qualified tester.

## **6.0 MANUFACTURERS AND PRIVATE LABELERS**

### **6.1 Manufacturer Eligibility Requirements**

For the purpose of this product certification system, EPA considers a "manufacturer" to be any party who intends to own or maintain a WaterSense labeled product listing (WaterSense certification listing), as described in Section 7.2.5.

To be eligible to obtain the WaterSense label, manufacturers shall:

- Have a *Manufacturer Partnership Agreement* in place with EPA.
- Have products certified in accordance with this product certification system and the relevant WaterSense product specification.
- Maintain responsibility for the product and its continued compliance with the requirements contained in the relevant WaterSense product specifications.
- Notify the licensed certifying body if it intends to have its products private labeled or rebranded under a separate organization/brand and work with the private labeler to ensure it meets the private labeler eligibility requirements outlined in Section 6.2.
- Provide product information to the licensed certifying body, including product information for any private labeled or rebranded products. This information shall include at a minimum, all of the required information contained in the relevant product notification template available on the WaterSense website. This information, specifically the combination of brand name and model number, shall match the information that identifies the WaterSense labeled product on the product packaging or other materials purchasers will see.<sup>3</sup>
- Abide by the *WaterSense Program Guidelines* and *WaterSense Program Mark Guidelines*.

## 6.2 Private Labeler Eligibility Requirements

For the purpose of this product certification system, a private labeler is any company that intends to market another manufacturer's WaterSense labeled products under its own brand.

To be eligible to obtain the WaterSense label for use on private labeled products, private labelers shall:

- Have a partnership agreement in place with EPA. Private labelers can either have a *Manufacturer Partnership Agreement* (if they also meet the eligibility requirements for manufacturers as described in Section 6.1) or *Retailer/Distributor Partnership Agreement* in place with EPA, as appropriate.
- Provide product information for private labeled products to the manufacturer or licensed certifying body, as applicable, for inclusion on a WaterSense certification listing.<sup>4</sup> This information shall include at a minimum, all of the required information contained in the relevant product notification template available on the WaterSense website. This information, specifically the brand name and model numbers, shall match the information that identifies the WaterSense labeled product on the product packaging or other materials purchasers will see.

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<sup>3</sup> The combination of the brand name and model number information should be unique. EPA displays this information on its WaterSense Product Search Tool and uses the combination of the brand name and model number to identify and convey information about WaterSense labeled products to prospective purchasers. This identifying information is also referenced in utility rebate programs.

<sup>4</sup> A private labeler can have its branded products listed on another manufacturer's WaterSense certification listing or maintain its own WaterSense certification listing that is linked to another manufacturer's WaterSense certification listing.

- Abide by the *WaterSense Program Guidelines* and *WaterSense Program Mark Guidelines*.

## 7.0 PRODUCT CERTIFICATION

### 7.1 Application

Manufacturers seeking WaterSense certification and the WaterSense label for their products shall apply directly to a product certifying body that is accredited for the relevant WaterSense product specification and is licensed by EPA. A list of licensed certifying bodies and the WaterSense product specifications for which they have been accredited to provide product certification services will be maintained on the WaterSense website.

The application to the licensed certifying body shall contain, at a minimum, the relevant product information supplied by the manufacturer as indicated in Section 6.1. The application shall relate to the specific product or group of products for which certification is requested by the applicant.

At the time of application, the licensed certifying body shall confirm that the manufacturer has a partnership agreement in place with EPA as described in Section 6.0. This agreement can be verified using the WaterSense Manufacturer ID Number Lookup tool ([www.epa.gov/watersense/manufacturer\\_lookup/index.html](http://www.epa.gov/watersense/manufacturer_lookup/index.html)).

#### 7.1.1 Private Labeled/Rebranded Products

If at any time a manufacturer intends to have its products private labeled or rebranded under a separate organization/brand from the manufacturer's, it shall notify the licensed certifying body. The licensed certifying body shall collect, at a minimum, information pertaining to the private labeler/private labeled product as indicated in Section 6.2. The licensed certifying body shall also verify that the private labeler has the appropriate partnership agreement in place with EPA as described in Section 6.2. This agreement can be verified using the WaterSense Manufacturer ID Number Lookup tool ([www.epa.gov/watersense/manufacturer\\_lookup/index.html](http://www.epa.gov/watersense/manufacturer_lookup/index.html)).

## 7.2 Initial Production Inspection and Product Testing

### 7.2.1 General

Upon confirmation of the acceptance of the application, the licensed certifying body shall make the necessary arrangements with the manufacturer for the initial evaluation in accordance with this product certification system.

The licensed certifying body is responsible for all activities included in the product certification system, including product sampling and testing, assessment of the production process or quality system, if applicable, and the surveillance of certified products.

#### 7.2.2 Initial Production Inspection

The WaterSense program does not require an initial production inspection (i.e., audit of production process and quality management system). If the licensed certifying body has no prior certification relationship with the manufacturer in the specific product area, the licensed

certifying body shall conduct an initial production inspection/audit at its own discretion to assess the manufacturer's capability for production, testing and quality management. The purpose of this inspection/audit is to give the licensed certifying body confidence that the manufacturer's system has the capability to mass produce products that conform to the technical requirements of the WaterSense product specification.

### **7.2.3 Initial Product Testing**

#### **7.2.3.1 Selection of Samples**

Samples for testing and examination shall be selected in accordance with the requirements specified in the relevant WaterSense product specification and this product certification system.

The licensed certifying body shall determine the appropriate method for the selection of samples of products for testing that are representative of the model to be certified and made using components and subassemblies identical to those used in production. The samples selected shall be made from production tools and assembled using methods established for the production run. The licensed certifying body shall not depend upon a manufacturer's preselected sample, unless the licensed certifying body has conducted an adequate construction review and selected the model/types from the respective product family.

#### **7.2.3.2 Conduct of Initial Testing**

The initial testing shall be carried out in accordance with the relevant WaterSense product specification and with this product certification system.

If, for the purpose of demonstrating a product's conformance with the relevant WaterSense product specification, the licensed certifying body wishes to rely on otherwise available, current test data generated prior to the application for certification (including testing related to referenced ASME and other ANSI Standards), the licensed certifying body shall document the technical justification supporting the use of the otherwise available test data. The acceptance of otherwise available test data shall consider the latest version of the referenced standard(s) and any subsequent modifications that have been made to the product that would affect the representativeness of the data. The licensed certifying body shall not use otherwise available test data that was generated more than five years prior to the date of initial testing. The technical justification for the use of otherwise available test data shall include a statement concerning the validity of the previously generated test data and its applicability to the products submitted for WaterSense certification. Records of the technical justification shall be maintained. WaterSense reserves the right to designate specific sections or requirements of the relevant product specifications that must be tested for a given product category, regardless of whether such data is otherwise available.

The licensed certifying body shall only use evaluation resources that comply with the requirements outlined in Section 5.4.

## **7.2.4 Product Evaluation**

### **7.2.4.1 Preparation for Evaluation**

Prior to initiating product testing or a production inspection, if applicable, the licensed certifying body shall complete a comprehensive review of quality management documentation, product literature, and schematics to ensure that there is substantiated evidence to show that the product is manufactured in accordance with the relevant WaterSense product specification, and that a proper production system and quality management system are established. In addition, in preparation for the evaluation, the licensed certifying body shall verify that the manufacturer's application was completed in accordance with Section 7.1, including the availability of the appropriate partnership agreements with EPA for the applicant manufacturer and any private labelers. An evaluation plan with all activities of evaluations involved shall be communicated to the applicant, prior to commencement of the evaluation.

### **7.2.4.2 Evaluation**

The licensed certifying body shall carry out the product evaluation by determining if the evaluation criteria are satisfactorily met and that the results of the initial product testing meet the requirements of this product certification system and the relevant WaterSense product specification. If an initial production inspection is conducted, the licensed certifying body may also use the information developed during the initial production inspection in the certification decision.

### **7.2.4.3 Evaluation Report**

The licensed certifying body shall inform the applicant on the outcome of the initial evaluation. If the licensed certifying body is not satisfied that all of the requirements have been fulfilled, it shall inform the manufacturer of the aspects for which it does not comply. If the manufacturer shows that corrective action has been taken to meet the requirements within a time limit specified by the licensed certifying body in the evaluation report, the licensed certifying body shall repeat only those aspects of the initial evaluation it deems necessary. In cases where the evaluation is outsourced (e.g., testing laboratory), the licensed certifying body shall take responsibility for communicating the outcome to the applicant; this responsibility shall not be left to the testing laboratory.

## **7.2.5 Licensed Certifying Body's WaterSense Labeled Product Listing**

As part of the responsibilities for certifying products and authorizing the use of the WaterSense label, the licensed certifying body shall maintain on its website a WaterSense certification listing for each manufacturer, which shall only include WaterSense labeled products. The certification listing shall contain, at a minimum, the information that is provided by the manufacturer and/or private labeler as described in Section 6.0. To the extent possible, the licensed certifying body shall ensure that the information required to be displayed on the WaterSense certification listing, as outlined in the relevant product notification template, matches the information that identifies the WaterSense labeled product on the product packaging.

As indicated in the relevant product notification template, for products that have placeholders indicating prefixes or suffixes that can be added to a base model number to denote variations



in color, finish, or other non-performance-related attributes, the licensed certifying body shall include a key or legend on the WaterSense certification listing. This key or legend shall list the prefixes or suffixes and define what the identified prefixes and suffixes mean. EPA will utilize the WaterSense certification listing to verify the information that is included on the public listing of WaterSense labeled products (WaterSense Product Search Tool).

If separate certification listings are necessary for the manufacturer and the private labeler(s), the licensed certifying body shall keep a record of the linkage between the certification listings and provide the cross-referenced list of brand names and model numbers to EPA upon request. This information will be kept confidential if requested by the licensed certifying body.

### **7.2.6 Agreement Between Licensed Certifying Body and Manufacturer**

Prior to authorizing the use of the WaterSense label, the licensed certifying body shall enter into an agreement (e.g., a signed contract of services) with the manufacturer, which shall outline the terms and conditions for certification and authorization to use the WaterSense label in accordance with the relevant WaterSense product specification, this product certification system, and the *WaterSense Program Mark Guidelines*. When the certification decision and report have been made, the licensed certifying body shall provide a certification decision to the manufacturer and authorize the use of the WaterSense label in conjunction with that certified product, if applicable.

The licensed certifying body shall adhere to the following conditions for issuing the certification and authorizing the use of the WaterSense label:

- Verify that the manufacturer and any private labelers have in place the appropriate partnership agreement as described in Section 6.0 above. Ensure that the manufacturer and private labelers of a WaterSense labeled product abide by the policies outlined in the *WaterSense Program Mark Guidelines*.

As part of the agreement between the licensed certifying body and the manufacturer, the manufacturer shall maintain responsibility for product certification, including submitting the product for certification to a licensed certifying body, receiving authorization to use the WaterSense label, and adhering to any ongoing surveillance required by the licensed certifying body. Upon notice of certification, the manufacturer and any private labelers listed may both be authorized to use the WaterSense label under the manufacturer's agreement with the licensed certifying body. The manufacturer is responsible for ensuring the label is used properly in accordance with the *WaterSense Program Mark Guidelines*. In all cases, a WaterSense labeled product shall bear the name of a WaterSense partner that holds or is included on a licensed certifying body's certification listing.

### **7.3 Authorization to Use the WaterSense Label**

Upon licensure, EPA will provide to the licensed certifying body a copy of the WaterSense label it shall authorize manufacturers to use in conjunction with certified products. The label shall contain the licensed certifying body's registered name or official acronym, which will be formatted and centered directly beneath the WaterSense label. The identifier shall be legible and shall be no wider than the WaterSense label itself.

The licensed certifying body shall provide the appropriate WaterSense label artwork to the manufacturer of a certified product and shall ensure that the manufacturer applies and uses the WaterSense label in accordance with the *WaterSense Program Mark Guidelines*. At a minimum, the licensed certifying body shall evaluate how the manufacturer and its private labelers intend to use the WaterSense label prior to its use on products in the marketplace. Use of the WaterSense label by a manufacturer is mandatory on product packaging as described in the *WaterSense Program Mark Guidelines*.

The manufacturer of a certified product shall have the right to publicize the fact that it has been authorized to apply the WaterSense label to its certified products.

#### **7.4 Extending a Certification**

Manufacturers shall apply to the licensed certifying body to obtain an extension of an existing certification for additional types or models of products or intended modifications to previously certified models. The licensed certifying body, based on engineering judgment, shall determine if the additional types or models of products are significantly different from the base model covered by the existing certification, to the extent that the modifications to the design would impact conformance to the relevant WaterSense product specification. The determination to extend a certification shall be supported by documented technical justification. Based on this determination, the licensed certifying body shall decide whether to require additional testing to the relevant WaterSense product specifications and/or an assessment of the manufacturer's production process or quality system.

#### **7.5 Reporting WaterSense Labeled Products to EPA**

Once per month, the licensed certifying body shall provide EPA with an up-to-date, comprehensive list of the products that it has certified. This notification shall be made using the relevant product notification template available on the WaterSense website or, if necessary, a similar form supplied by the licensed certifying body. If the licensed certifying body supplies the information on its own form, the form must contain all of the information required by the relevant product notification template available on the WaterSense website. The notification shall contain the required product information for all WaterSense labeled products currently listed on the licensed certifying body's certification listing, including information for private labeled products. EPA will use this information to update its WaterSense Product Search Tool. It is incumbent upon the manufacturer to ensure that the information provided to the licensed certifying body that is subsequently reported to WaterSense is accurate and matches what purchasers will see on product packaging or at the point of purchase. If EPA receives an inquiry regarding whether a product is WaterSense labeled and cannot readily match the brand name and model number information identified in the inquiry with product information on the licensed certifying body's certification listing, it will not confirm that the model is labeled. EPA will notify the licensed certifying body and manufacturer/private labeler, as applicable, of a possible discrepancy between the certification listing information and the product packaging or point of purchase materials.

If there are no updates, changes, or removal of products from any of its certification listings during the month the licensed certifying body does not have submit a notification to EPA for that month.

## **7.6 Surveillance**

To ensure that products continue to conform to the relevant WaterSense product specifications and that manufacturers are marking product packaging and using the WaterSense label properly, EPA requires licensed certifying bodies to conduct periodic production inspection and market surveillance of products as described below.

### **7.6.1 Periodic Production Inspection**

The licensed certifying body shall, at a minimum, on an annual basis, audit the production process and quality management of each manufacturer of a certified product(s). The purpose of this audit shall be to:

- Verify that the manufacturer continues to operate production and quality management in a manner that will maintain a product's conformance with relevant WaterSense product specifications.
- Consider and take appropriate action where changes to the manufacturer's operations are made that may impact a product's conformance with relevant WaterSense product specifications.

### **7.6.2 Market Surveillance of Products**

Except when the WaterSense product specification indicates otherwise, the licensed certifying body shall conduct annual market surveillance, including product retesting and surveillance of product packaging marking and label use for the products it has certified. The licensed certifying body shall appoint an inspector to conduct market surveillance of products. At the licensed certifying body's discretion, samples for market surveillance shall be obtained from the retail outlet/distribution center (including online retail/distribution sites) or project site where the product is being sold or used, from the manufacturer's warehouse, or from off the line. Samples may be selected from off the line only when it is not feasible to obtain products from another source. In such instances, the licensed certifying body shall notify EPA and provide documentation as to why it was unable to obtain samples from one of the preferred sources. Where purchase of the product is required, the manufacturer shall pay for the product.

The licensed certifying body shall conduct annual market surveillance on at least 15 percent of all of the models it has certified for each relevant product category. Note that not every manufacturer will have models subject to market surveillance each year. The number of models subject to market surveillance shall be based on the following criteria:

- Only models that have not been tested or retested within the previous two years may be subject to market surveillance.
- Private labeled models shall not be counted as separate models from the original manufacturer's models for this determination.
- Base models or families of products that demonstrate the same efficiency and performance but that may have variations in color, finish, or other non-performance-related attributes may be counted as a single model for this determination. Only one of the models covered by the base model would be subject to market surveillance.

By September 30 of each year, the licensed certifying body shall determine and provide EPA with the full list of models that it has determined are eligible for market surveillance (in accordance with this section) for all annual market surveillance activities to be conducted between October 1 of that year and September 30 of the following year.

Of the 15 percent of eligible models, up to half (i.e., 7.5 percent of the eligible models) may be designated for market surveillance by EPA based on the following criteria:

- Models that have previously failed market surveillance.
- Preferred location, such as a retail outlet/distribution center.
- Referrals from third parties, such as consumers, consumer groups, or regulatory agencies regarding the accuracy of certifications.
- Models with high sales volumes, if this data is available to WaterSense.

EPA will notify the licensed certifying body by November 1 of that year of the details of its allotted designation. The remainder of the eligible models required to comprise the 15 percent shall be randomly selected for market surveillance by the licensed certifying body.

The licensed certifying body shall evaluate a minimum of one model or the appropriate number of models required to comprise the 15 percent market surveillance requirement, rounded to the nearest whole number, whichever is greater. If the licensed certifying body determines that no products are eligible for annual market surveillance (e.g., all products have been tested within the previous two years), the licensed certifying body does not need to conduct market surveillance on any products.

An example annual market surveillance sampling scheme is provided in Appendix A.

By September 30 of each year, the licensed certifying body shall also provide EPA with a report of its market surveillance activities for the preceding year (October 1 of the previous year through September 30 of the current year). This includes but is not limited to a:

- List of the products that failed the retesting requirements.
- List of the products with WaterSense label use violations (specifically including products that are certified but are not using the WaterSense label on product packaging).
- Brief description of the issue, and any steps the manufacturer plans to take to address the issue for each model listed.

EPA will notify the relevant accreditation body if it does not receive the licensed certifying body's list of models eligible for market surveillance or the market surveillance activities report in a timely manner.

#### **7.6.2.1 Product Retesting**

All products selected for market surveillance shall be retested for conformance with the relevant WaterSense product specification in accordance with Section 7.2.3 of this product certification system.

As with the initial testing, if the licensed certifying body wishes to rely on otherwise available, current test data generated during compliance testing to referenced ASME or other ANSI

standards for the purpose of retesting a product to the relevant WaterSense product specification, the licensed certifying body shall document the technical justification supporting the use of the otherwise available test data. The acceptance of otherwise available ASME or other referenced ANSI standard test data shall consider the latest version of the referenced standard(s) and any subsequent modifications that have been made to the product that would affect its representativeness. The licensed certifying body shall not use otherwise available test data that was generated more than five years prior to the date of retesting. The technical justification shall include a statement concerning the validity of the otherwise available test data and its applicability to the retested product's continued certification. Records of the technical justification shall be maintained. WaterSense reserves the right to designate specific sections or requirements of the relevant product specifications that must be retested for a given product category, regardless of whether such data is otherwise available.

All retesting shall be done by a licensed certifying body's internal resources or by an independent testing laboratory or WMTL as described in Sections 5.4. Use of an SMTL is permitted **only** if the retesting is witnessed by the licensed certifying body.

#### **7.6.2.2 Surveillance of Product Packaging Marking and Label Use**

All products selected for market surveillance shall also be assessed for proper product packaging marking and use of the WaterSense label, as described in the *WaterSense Program Mark Guidelines* and, if applicable, the relevant WaterSense product specification. The licensed certifying body shall also verify that the brand name and model number combination that appears on the product packaging matches what is listed on the licensed certifying body's certification listing. The intent of this assessment is to ensure that the products are being marked and labeled in accordance with WaterSense program requirements and that the product's certification (identified by the unique brand name and model number advertised) can be clearly traced.

#### **7.7 Misuse of the Certification or WaterSense Label**

The licensed certifying body shall take appropriate action, which can include label suspension or withdrawal, when a product is found not to conform to the relevant WaterSense product specification or when a manufacturer of a product it has certified engages in unauthorized, incorrect, or misleading use of the certification or WaterSense label, whether the issue is discovered by the licensed certifying body or is brought to its attention by another party. Circumstances for unauthorized, incorrect, or misleading use of the certification or WaterSense label are described in this product certification system, the *WaterSense Program Guidelines*, and the *WaterSense Program Mark Guidelines*.

When issues related to product nonconformity or misuse of the WaterSense label come to EPA's attention, EPA shall notify the licensed certifying body that authorized the use of WaterSense label for the product in question. The licensed certifying body shall then engage in investigation and resolution of the complaint in accordance with ISO/IEC 17065 and the licensed certifying body's policies and procedures.

The licensed certifying body shall bring to EPA's attention any instances of unauthorized use of a WaterSense label by a manufacturer of a product that it has not certified. EPA will engage in appropriate corrective action with the infringing manufacturer.

Figure 2 at the end of this document outlines the mechanisms for identifying label misuse and the party responsible for handling corrective actions (e.g., the licensed certifying body or EPA).

### **7.8 Suspension of the Use of the WaterSense Label on Products**

The licensed certifying body shall determine when the use of the WaterSense label shall be suspended due to product nonconformance, misuse of the WaterSense label, or infringement of the product certification system. Label suspension can occur for a limited period of time as specified by the licensed certifying body. During the period of suspension, the manufacturer is prohibited from using the WaterSense label in conjunction with any product associated with the suspended WaterSense label.

The licensed certifying body shall provide the manufacturer of a suspended WaterSense label the conditions under which the suspension can be removed (i.e., corrective actions that shall be taken). At the end of the suspension period, the licensed certifying body shall investigate whether the indicated conditions for reinstating the WaterSense label have been fulfilled. Upon receiving proof of fulfillment of these conditions, the licensed certifying body shall notify the manufacturer that the suspension has been removed. The licensed certifying body shall notify EPA within 30 days of both WaterSense label suspension and reinstatement.

### **7.9 Withdrawal of the WaterSense Label From Products**

In more severe or repeated instances of product nonconformity, misuse of the WaterSense label, failure to meet the requirements for reinstatement of a suspended WaterSense label, or failure to maintain an active certification listing, the licensed certifying body shall withdraw the product's certification and the use of the WaterSense label. The licensed certifying body shall inform the manufacturer that the certification and WaterSense label are being withdrawn via a withdrawal notification. If the WaterSense label is withdrawn from a product for any reason, the licensed certifying body shall ensure that the manufacturer and its wholesalers, distributors, and retailers immediately cease to use the mark in conjunction with that product, and the label is to be eliminated from product packaging and promotional materials within six months from the date of withdrawal notification. The licensed certifying body shall immediately notify EPA of any product label withdrawals, and EPA shall decide whether termination of the partnership agreement or other corrective action is warranted. The WaterSense label may not be used for any reason by—or in conjunction with any product produced by—a manufacturer with a terminated partnership agreement.

## **8.0 AMENDMENTS, MODIFICATIONS, AND REVISIONS**

EPA reserves the right to amend these rules of procedure, which may include amending or revising this product certification system, revising any of the WaterSense product specifications, or issuing technical clarifications as provided in the compendium of WaterSense product and program specifications available on the WaterSense website. EPA also reserves the right to make exceptions to these rules of procedure on a case-by-case basis, as necessary, and where it is technologically reasonable.

Revisions to any of the WaterSense product specifications can occur due to technological and/or market changes that affect the usefulness of current specifications to consumers, industry, or the environment or to clarify vague requirements.

Major revisions to product specifications will generally include changes to the water efficiency or performance requirements and/or related test methods. Major revisions will only be made following an open public process, including discussion with industry and other interested partners. Major revisions will typically require recertification of currently certified models to the new specifications. The transition period will be identified in the relevant product specification, but will normally be one year.

Minor revisions to product specifications will generally be more editorial in nature and serve to clarify vague or unclear requirements. Minor revisions will typically not require recertification of currently certified models. EPA will notify stakeholders when product specification revisions are considered major or minor.

As deemed necessary, EPA also reserves the right to modify these rules of procedure as they apply to specific categories of products. Any modifications will be identified at the release of the product specification for the relevant product category.

To facilitate version control, EPA will designate a title, version number, and date for all of the relevant documents it produces, as indicated below:

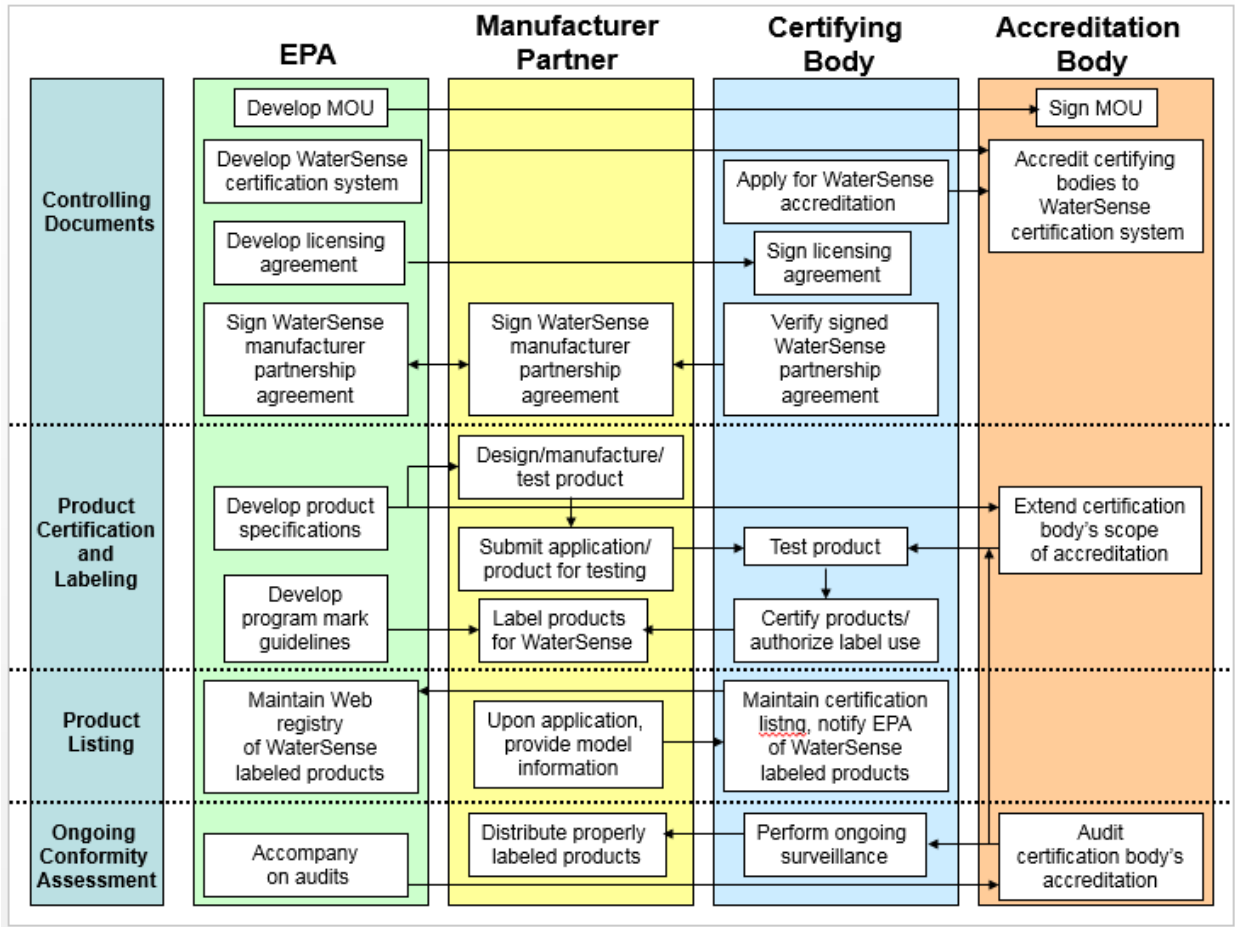
- WaterSense Specification for [Product Category] or WaterSense Product Certification System
- Version X.Y
- Month, Day, Year

## **9.0 FOR MORE INFORMATION**

Please visit the compendium of WaterSense product and program specifications page at [www.epa.gov/watersense/partners/product\\_program\\_specs.html](http://www.epa.gov/watersense/partners/product_program_specs.html) for a complete listing of current WaterSense product specifications and technical clarifications.

For inquiries or other questions related to this product certification system or any WaterSense product specifications, please contact the WaterSense Helpline at (866) WTR-SENS (987-7367) or [watersense@epa.gov](mailto:watersense@epa.gov).

**Figure 1. WaterSense Product Certification Process Flow Diagram**





**Figure 2. WaterSense Label Policing and Corrective Action Decision Diagram for Products**

<b>Mechanisms for Identifying Label Misuse</b>	
<b>EPA</b>	<b>Licensed Certifying Body</b>
<ul style="list-style-type: none"> <li>• Literature/website reviews</li> <li>• Review of media clips</li> <li>• Review of pre-print materials</li> <li>• Partner alerts</li> <li>• Google image searches</li> <li>• Reports from licensed certifying bodies</li> </ul>	<ul style="list-style-type: none"> <li>• Annual post-market product surveillance—facility/warehouse audits, product retesting, retail outlet audits</li> <li>• Review of pre-print materials</li> <li>• Manufacturer alerts</li> <li>• Reports from EPA</li> </ul>
<b>Label Misuse Issue</b>	
<b>EPA Handles Corrective Action</b>	<b>Licensed Certifying Body Handles Corrective Action</b>
<ul style="list-style-type: none"> <li>• Label used in conjunction with an uncertified product when the licensed certifying body is unknown</li> <li>• Label used to indicate EPA’s endorsement</li> <li>• Label used incorrectly by a wholesaler, distributor, or retailer</li> </ul>	<ul style="list-style-type: none"> <li>• Label used in conjunction with an uncertified product when the licensed certifying body is known</li> <li>• Label used on products for which certification has been suspended/withdrawn</li> <li>• Label used prior to manufacturer’s authorization/certification</li> <li>• Label used to indicate a licensed certifying body’s endorsement</li> <li>• Label used by the manufacturer on general water-efficient promotional material (e.g., not directly associated with a certified product)</li> <li>• Label altered from the original provided by the licensed certifying body</li> </ul>

## Appendix A: Example Annual Market Surveillance Sampling Scheme

To illustrate how the annual market surveillance requirements outlined in Section 7.6.2 would work, EPA is providing an example sampling scheme for tank-type toilets. Licensed certifying bodies should apply the methodology outlined in this example scheme to the selection of samples for market surveillance of certified products for all relevant product categories.

Under this example, the licensed certifying body has certified 27 individual product models by three different manufacturers and two private labelers. Mock licensed certifying body certification listings for each manufacturer are shown in Table 1.

**Table 1. Example Licensed Certifying Body Certification Listings for Three Manufacturers**

Certification Listing for Manufacturer 1:	Certification Listing for Manufacturer 2:	Certification Listing for Manufacturer 3:
<p>Certified Models:</p> <ul style="list-style-type: none"> <li>• ABC Toilet (certified January 18, 2007)</li> <li>• DEF Toilet (certified March 2, 2008)</li> <li>• HIJ Toilet (w-White, b-Black, o-Off-white) (certified May 14, 2008)</li> <li>• KLM (certified September 3, 2009)</li> </ul> <p>Additional Companies/Listees/Private Labelers:</p> <p>Private Labeler 1</p> <ul style="list-style-type: none"> <li>• 123 Toilet (corresponds to ABC Toilet)*</li> <li>• 456 Toilet (corresponds to DEF Toilet)*</li> <li>• 789 Toilet (corresponds to KLM Toilet)*</li> </ul>	<p>Certified Models:</p> <ul style="list-style-type: none"> <li>• XYZ Toilet (certified October 9, 2008)</li> <li>• TUV Toilet (certified July 1, 2009)</li> <li>• QRS Toilet (certified August 5, 2010)</li> <li>• NOP Toilet (certified July 19, 2011)</li> </ul> <p>Additional Companies/Listees:</p> <p>None</p>	<p>Certified Models:</p> <ul style="list-style-type: none"> <li>• A0B Toilet (certified January 3, 2007)</li> <li>• A1B Toilet (certified February 8, 2007)</li> <li>• A2B Toilet (certified November 23, 2007)</li> <li>• A3B Toilet (certified March 16, 2008)</li> <li>• A4B Toilet (w-White, i-Ivory) (certified May 25, 2008)</li> <li>• A5B Toilet (certified December 12, 2008)</li> <li>• A6B Toilet (certified February 16, 2009)</li> <li>• A7B Toilet (certified April 1, 2009)</li> <li>• A8B Toilet (certified June 19, 2009)</li> <li>• A9B Toilet (certified August 21, 2009)</li> <li>• B1B Toilet (certified September 12, 2009)</li> </ul> <p>Additional Companies/Listees/Private Labelers:</p> <p>Private Labeler 2</p> <ul style="list-style-type: none"> <li>• 987A Toilet (corresponds to A1B Toilet) *</li> <li>• 654A Toilet (corresponds to A3B Toilet) *</li> </ul>

\*Note that EPA does not require the licensed certifying body to identify on its certification listing the specific original certified model number with which each private labeled product corresponds, though the licensed certifying body should have this information available in its records.

Using the examples provided above in Table 1, of the 27 certified models, the following 17 models would be eligible for retesting as of September 29, 2011:

- ABC Toilet (or 123 Toilet)
- DEF Toilet (or 456 Toilet)
- HIJ Toilet (white, black, or off-white)
- KLM Toilet (or 789 Toilet)
- TUV Toilet

- XYZ Toilet
- A0B Toilet
- A1B Toilet (or 987A Toilet)
- A2B Toilet
- A3B Toilet (or 654A Toilet)
- A4B Toilet (white or ivory)
- A5B Toilet
- A6B Toilet
- A7B Toilet
- A8B Toilet
- A9B Toilet
- B1B Toilet

Models QRS and NOP are not eligible for retesting as of September 29, 2011, because they were initially tested within the previous two years.

For models HIJ and A4B, which represent a family of models with variations in toilet color, only one of the models within each of those families would be eligible for retesting.

Models 123, 456, 789, 987A, and 654A are private labeled models and should not be counted as separate models from the original manufacturers' models. They may, however, be selected for sampling to represent their respective original manufacturers' models.

From this list of 17 eligible models, three total models must be selected for retesting:

$$17 \text{ models} * 15 \text{ percent} = 2.55, \text{ which is rounded to } 3 \text{ models}$$

Of these three models, EPA reserves the right to designate one model for retesting:

$$17 \text{ models} * 7.5 \text{ percent (half of the } 15 \text{ percent total)} = 1.3, \text{ which is rounded to } 1 \text{ model}$$

The licensed certifying body would randomly select the additional two models for retesting to account for the remainder of the total number of models required to comprise the 15 percent:

$$3 \text{ total models for retesting} - 1 \text{ model designated by EPA} = 2 \text{ models randomly selected by the licensed certifying body}$$

*Note: The licensed certifying body **should not** base the number of models it must retest on the remaining percent of eligible products left after EPA's designation (e.g., 7.5 percent).*

If EPA does not designate a model for retesting, the licensed certifying body would randomly select all three models for retesting.

Figure 3 below illustrates how the licensed certifying body determines the number of models that are eligible for annual market surveillance, how many models EPA may designate, and how many models it is responsible for selecting.

**Figure 3. Calculating Number of Models Selected for Annual Market Surveillance**