



VERIFICATION PLAN – ROUND PC-2014-01

Personal Computers and Displays

March 2014

I. PURPOSE AND CONTENTS OF THIS DOCUMENT

This document outlines the plan for a round of investigations to be performed in accordance with EPEAT process document QP-02, rev. 1, this verification plan, and other governing documents.

II. SELECTION OF CRITERIA AND PRODUCTS FOR VERIFICATION

Verification Round PC-2014-01 will focus on Level 2 and Level 3 investigations, and involve laboratory evaluation of products registered in either Europe or Asia. The geographic focus of this Round is Europe and Asia because Verification Round PC-2013-05 investigated similar criteria for products in North America. Products will be purchased without the knowledge or participation of the manufacturer, disassembled and inspected (Level 2) or analytically tested (Level 3) to verify conformance. Investigations are planned for the following criteria:

- 4.1.8.1 Optional – Large parts free of PVC;
- 4.3.1.3 Required – Easy disassembly of external enclosures;
- 4.3.1.4 Required – Marking of plastic components;
- 4.3.1.5 Required – Identification and removal of components containing hazardous materials;
- 4.3.1.6 Optional – Reduced number of plastic material types;
- 4.3.1.7 Optional – Molded/glued in metal eliminated or removable;
- 4.3.2.1 Optional – Manual separation of plastics;
- 4.3.2.2 Optional – Marking of plastics;
- 4.8.2.1 Required – Separable packing materials; and
- 4.8.2.2 Optional – Packaging 90% recyclable and plastics labeled.

Level 3 investigations (analytical testing) are planned for criterion 4.1.8.1. Additionally, should the Level 2 investigation results for criteria 4.3.1.4 and 4.3.2.2 indicate that a plastic component greater than 25 grams is likely marked incorrectly (i.e. the type of plastic appears to be different from that shown in the ISO 11469 material marking code), EPEAT may conduct a Level 3 investigation on the component to determine its composition.

Prior to the beginning of this Round, EPEAT staff will examine the number of investigations performed against these criteria in the last six months, and the number of Subscribers that declared the optional criteria. A maximum of 70 investigations are planned, and will be chosen as follows:

- All Subscribers and product-criterion combinations registered in Europe and Asia will be considered for inclusion in Round PC-2014-01, with one exception. Products that have been investigated in the last six months for the target criteria will be excluded from selection.
- After this initial filtering, EPEAT staff will review the Registry to determine which products are claiming at least five of the six optional criteria listed above. Seven products will be chosen for investigation from this list, with only one product chosen per Subscriber.
- A range of different product types will be selected – desktops, notebooks, integrated desktops and displays. All products must be available from consumer retailers located in Europe or Asia.

Once the Product Verification Committee has approved this Round Plan, the Verification Round will proceed in accordance with the current procedures, as follows:

1. EPEAT will take a “snapshot” of the Registry. Products will be selected as per this document.
2. The Verification Round Plan will be published on epeat.net.
3. EPEAT will instruct PREs (if applicable – see Section V) to proceed with the investigations.
4. The PREs will notify their subject Subscribers that their products are being investigated.
5. The PREs will engage qualified testing laboratories for their assigned investigations and complete an Investigation Report for each investigation, recommending conformance or nonconformance. The PREs will ensure the Reports are clear, complete and supported by evidence.
6. The PREs will forward the completed Investigation Reports to EPEAT.
7. The Product Verification Committee will review the reports and determine conformity. The products and Subscribers being verified will not be disclosed to the Product Verification Committee. The Product Verification Committee is blind to the specific product and Subscriber for which they are making conformity decisions.
8. The subject Subscribers will be informed of the decision by their PRE. For decisions of Non-Conformance, Subscribers are required to take corrective action within 14 calendar days to restore the accuracy of the EPEAT Registry.

9. EPEAT will publish a "Verification Round Outcomes Report" identifying the nonconforming products and Subscribers, as well as the action taken to restore accuracy of the Registry.

III. PRODUCT VERIFICATION COMMITTEE

The following individuals are the members of the Product Verification Committee:

- Libby Chaplin, CEO, Arcadian Solutions
- Patty Dillon, Dillon Environmental Associates
- Jack Geibig, President, Ecoform
- Robert Pfahl, Pfahl Consulting L.L.C.
- Annette Roesler, Ph.D., Independent Professional Chemist

IV. PRODUCT REGISTRATION ENTITIES AND QUALIFIED VERIFIERS

All investigations will be conducted through PREs engaging qualified testing laboratories. The following Product Registration Entities may be involved in investigations for this Verification Round:

- DEKRA Certification PRE
- EPEAT PRE
- UL Environment PRE

V. VERIFICATION ROUND PLAN APPROVAL

The Product Verification Committee approved this Verification Round Plan by discussion and e-mail on March 12, 2014.

VI. PERSONAL COMPUTERS AND DISPLAYS VERIFICATION ROUND PC-2014-01 INVESTIGATIONS

Criterion		Verification Selection and Process	# Planned Investigations
4.1.8.1	Optional – Large parts free of PVC	<ul style="list-style-type: none"> Level 3 investigations only. Only products declaring 4.1.8.1 will be included in the selection process. Exclusions: Products investigated for this criterion within the last six months. 	7
4.3.1.3	Required – Easy disassembly of external enclosures	<ul style="list-style-type: none"> Level 2 investigations only. All products will be included in the selection process. Exclusions: Products investigated for this criterion within the last six months. 	7
4.3.1.4	Required – Marking of plastic components	<ul style="list-style-type: none"> Level 2 investigations only. If inconclusive, potentially Level 3 investigations to determine composition of applicable plastic components. All products will be included in the selection process. Exclusions: Products investigated for this criterion within the last six months. 	7
4.3.1.5	Required – Identification and removal of components containing hazardous materials	<ul style="list-style-type: none"> Level 2 investigations only. All products will be included in the selection process. Exclusions: Products investigated for this criterion within the last six months. 	7
4.3.1.6	Optional – Reduced number of plastic material types	<ul style="list-style-type: none"> Level 2 investigations only. Only products declaring 4.3.1.6 will be included in the selection process. Exclusions: Products investigated for this criterion within the last six months. 	7
4.3.1.7	Optional – Molded/glued in metal eliminated or removable	<ul style="list-style-type: none"> Level 2 investigations only. Only products declaring 4.3.1.7 will be included in the selection process. Exclusions: Products investigated for this criterion within the last six months. 	7
4.3.2.1	Optional – Manual separation of plastics	<ul style="list-style-type: none"> Level 2 investigations only. Only products declaring 4.3.2.1 will be included in the selection process. Exclusions: Products investigated for this criterion within the last six months. 	7
4.3.2.2	Optional – Marking of plastics	<ul style="list-style-type: none"> Level 2 investigations. If inconclusive, potentially Level 3 investigations to determine composition of applicable plastic components. Only products declaring 4.3.2.2 will be included in the selection process. Exclusions: Products investigated for this criterion within the last six months. 	7

Criterion		Verification Selection and Process	# Planned Investigations
4.8.2.1	Required – Separable packing materials	<ul style="list-style-type: none"> • Level 2 investigations only. • All products will be included in the selection process. • Exclusions: Products investigated for this criterion within the last six months. 	7
4.8.2.2	Optional – Packaging 90% recyclable and plastics identified	<ul style="list-style-type: none"> • Level 2 investigations only. • Only products declaring 4.8.2.2 will be included in the selection process. • Exclusions: Products investigated for this criterion within the last six months. 	7
Total			70