



Green Electronics Council

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OUTCOMES REPORT EPEAT VERIFICATION ROUND PC-2016-01

1. Overview of Verification Round

This report provides the detailed results of EPEAT Verification Round PC-2016-01. This Round focused on randomly chosen criteria and randomly chosen products via Level 1 investigations. The products and criteria were selected as follows:

- All products that were active in the Registry were eligible for inclusion, and were chosen first through a random selection process.
- All criteria are eligible for inclusion, and were chosen randomly for each selected product.
- All geographies and Manufacturers were eligible for inclusion.
- Exception is as follows: If a criterion is randomly selected for a product and that product has been investigated against that criterion in the last six months, a new criterion will be randomly selected for the product.
- No Manufacturer was subject to more than four investigations during this Round.

Eighty-four Investigations were conducted on 40 criteria and 47 of these investigations were of required criteria and 37 were of optional criteria. Using a random selection process encourages unbiased representation of the Registry to be examined in a single Verification Round, without partiality or preference in the selection process. In this regard, Round PC-2016-01 touched the following areas of the EPEAT Registry:

Figure 1:

- 29 Manufacturers were investigated in the Round.
- 40 criteria out of 51 criteria in IEEE 1680.1-2009.
- 27 out of 43 countries in the Registry – see Figure 1

2. Summary of Outcomes

Highlights from this Verification Round are:

- 84 investigations completed
- 63 decisions of Conformance
- 16 decisions of Non-Conformance – see 2 below
- 5 investigations cancelled due to 2 manufacturers archiving their products in the time between when the Round snapshot was taken and the launch of the Round.

Countries Investigated in PC-2016-01

Australia	Latvia
Austria	Lithuania
Brazil	Mexico
Canada	Netherlands
China	New Zealand
Czech Republic	Poland
Finland	Portugal
France	Slovakia
Germany	Spain
Greece	Switzerland
Hungary	Taiwan
India	United Kingdom
Italy	United States
Japan	

**FIGURE 2: Overall Conformance Status for PC-2016-01
(as percentages of total investigations)**

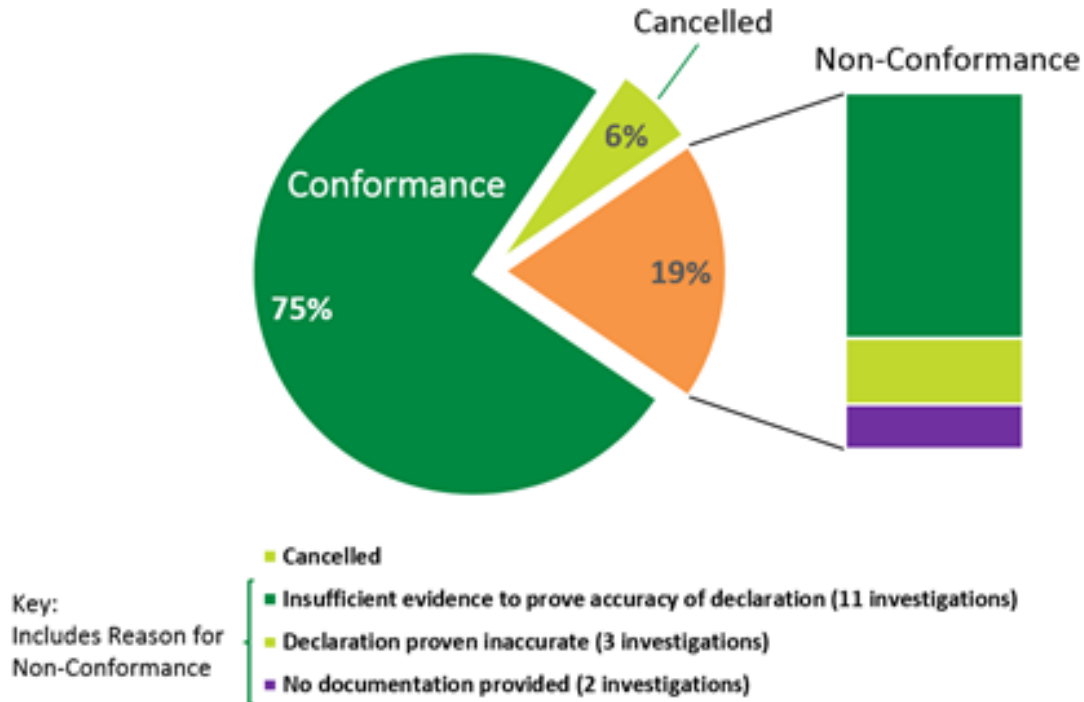


Table 1 below summarizes the number of investigations that were planned, cancelled and which investigations were Non-Conformances.

TABLE 1: Summary of Non-Conformance Findings					
Criterion	Description		Planned	Cancelled	Non-Conformances
4.1.1.1	Required	Compliance with provisions of European RoHS Directive	3	1	1
4.1.2.1	Optional	Elimination of intentionally added cadmium	4	1	1
4.1.3.1	Required	Reporting on amount of mercury used in light sources	1	0	0
4.1.3.2	Optional	Low threshold for amount of mercury used in light sources	3	0	0
4.1.3.3	Optional	Elimination of intentionally added mercury used in light sources	2	0	0
4.1.4.1	Optional	Elimination of intentionally added lead in certain applications	3	0	2
4.1.6.1	Required	Elimination of intentionally added SCCP	4	0	1

		flame retardants and plasticizers in certain applications			
4.1.6.2	Optional	Large plastic parts free of certain flame retardants classified under European Council Directive 67/548/EEC	2	0	2
4.1.7.1	Optional	Optional – Batteries free of lead, cadmium, and mercury	2	0	1
4.2.1.1	Required	Declaration of postconsumer recycled plastic content	2	0	0
4.2.2.1	Required	Declaration of renewable/biobased plastic materials content	2	0	0
4.2.3.1	Required	Declaration of product weight	2	0	0
4.3.1.1	Required	Identification of materials with special handling needs	1	0	0
4.3.1.2	Required	Elimination of paints or coatings that are not compatible with recycling or reuse	1	0	0
4.3.1.3	Required	Easy disassembly of external enclosure	3	0	0
4.3.1.4	Required	Marking of plastic components	1	0	0
4.3.1.5	Required	Identification and removal of components containing hazardous materials	1	0	0
4.3.1.6	Optional	Reduced number of plastic material types	2	0	0
4.3.1.7	Optional	Molded/glued in metal eliminated or removable	1	0	0
4.3.1.8	Required	Minimum 65% reusable/recyclable	2	0	1
4.3.1.9	Optional	Minimum 90% reusable/recyclable	1	0	0
4.3.2.1	Optional	Manual separation of plastics	2	0	0
4.3.2.2	Optional	Marking of plastics	3	0	2
4.4.1.1	Required	Availability of additional 3 year warranty or service agreement	1	0	0
4.4.2.1	Required	Upgradeable with common tools	3	0	0
4.4.2.2	Optional	Modular design	1	0	0
4.4.3.1	Optional	Availability of replacement parts	1	0	0
4.5.1.1	Required	ENERGY STAR	4	1	0
4.6.1.1	Required	Provision of a product take-back service	1	0	0
4.6.2.1	Required	Provision of a rechargeable battery take-back service	1	0	1
4.7.2.1	Required	Self-certified environmental management system for design and manufacturing organizations	1	0	0
4.7.2.2	Optional	Third-party certified environmental management system for design and manufacturing organizations	1	0	0
4.7.3.1	Optional	Corporate consistent with Performance Track or GRI	2	1	0
4.7.3.2	Optional	Corporate report based on GRI	2	0	1
4.8.1.1	Required	Reduction/elimination of intentionally	5	0	0

		added toxics in packaging			
4.8.2.1	Required	Separable packing materials	2	0	0
4.8.3.1	Required	Declaration of recycled content	4	1	2
4.8.3.2	Optional	Minimum postconsumer content guidelines	3	0	0
4.8.4.1	Optional	Provision of take-back program for packaging	3	0	1
4.8.5.1	Optional	Documentation of reusable packaging	1	0	0

3. Key Lessons

Material marking codes on plastic components greater than 25 grams (criterion 4.3.2.2):

Criterion 4.3.2.2 requires the marking of plastic components greater than 25 grams in accordance with the provisions of ISO 11469. This is a required criterion, and Manufacturers are encouraged to work closely with their suppliers to determine if the verification requirements can be met. In particular, ISO 11469 requires reverse angled brackets (the marks “>” and “<”) around the material marking code and designated abbreviations for polymers, flame retardants, fillers and/or plasticizers. Additionally, Subscribers are encouraged to revisit the Conformity Assurance Protocols to identify the types of information sought by the Conformity Decision Panel to determine conformance.

Cancelled Investigations:

If a Manufacturer archives a product in the time between when the Round snapshot was taken and the launch of the Round, the EPEAT Scheme cancels the investigation(s). It would be unfair to make the Manufacturer perform this work when the product was actually archived before the official start of the Round. Please note that before the start of the Round, the Manufacturer is unaware of which products were chosen.

Initial response to Auditors:

When contacted regarding participation in a Verification Round, Manufacturers should respond to the Auditor as soon as possible to let them know they are communicating with the correct person or to inform them of the correct contact. This also helps the Auditor know that the e-mail address is valid.

Conformance of products that may share similar traits and/or supply chains:

If a Non-Conformance is found for a particular criterion and product, Manufacturers should be prepared to determine if other products on the EPEAT Registry are similarly impacted due to use of similar materials and/or supply chains, and develop corrective action plans to address the future conformance of these other products.

4. Looking Forward

Plans for Future Verification Activities:

There are four Verification Rounds planned for 2016 for 1680.1 (Computers and Displays). These Rounds may include Level 1, Level 2 and/or Level 3 investigations.

Conformity Assessment Protocols:

This and all future Verification Rounds have and will be conducted according to the guidance provided in the Conformity Assessment Protocols posted on www.epeat.net.

5. Investigations Table

TABLE 2: Specific Non-Conformance Findings and Corrective Action Taken

Participating Manufacturer	Product	Country	Product Type	Criterion	Required or Optional	Criterion Description	NC Finding Description	Corrective Action Taken
Acer Inc.	Veriton X2640G	Taiwan	Desktops	4.1.1.1	R	Compliance with provisions of European RoHS Directive	Insufficient evidence to prove accuracy of declaration	Manufacturer provided evidence demonstrating Conformance
Toshiba	Satellite Pro A50-C PS562, PS566, PS569, PS56D, PS56H, PS56M	India	Notebooks	4.1.2.1	O	Elimination of intentionally added cadmium	No documentation provided	Manufacturer undeclared the Non-Conformant criterion
TPV Technology Limited	E2260PWDA	Germany	Monitors	4.1.4.1	O	Elimination of intentionally added lead in certain applications	No documentation provided	Manufacturer archived the product
Hyundai IT America Corp.	P247DL	United States	Monitors	4.1.4.1	O	Elimination of intentionally added lead in certain applications	Insufficient evidence to prove accuracy of declaration	Manufacturer undeclared the Non-Conformant criterion
Corporativo Lanix, S.A. de C.V	TITAN HX 4260E	Mexico	Desktops	4.1.6.1	R	Elimination of intentionally added SCCP flame retardants and plasticizers in certain applications	Insufficient evidence to prove accuracy of declaration	Manufacturer archived the product
ViewSonic Corporation	VP2770-LED/VS14703	United States	Monitors	4.1.6.2	O	Large plastic parts free of certain flame retardants classified under European Council Directive 67/548/EEC	Insufficient evidence to prove accuracy of declaration	GEC archived the product
Iiyama corporation	ProLite E2773HS	Germany	Monitors	4.1.6.2	O	Large plastic parts free of certain flame retardants classified under European Council Directive 67/548/EEC	Insufficient evidence to prove accuracy of declaration	Manufacturer archived the product
Gammatech Computer Corporation	S15C	United States	Notebooks	4.1.7.1	O	Batteries free of lead, cadmium, and mercury	Insufficient evidence to prove accuracy of declaration	Manufacturer archived the product
TPV Technology Limited	E2350SDA	Germany	Monitors	4.3.1.8	R	Minimum 65% reusable/recyclable	Insufficient evidence to prove accuracy of declaration	Manufacturer provided evidence demonstrating Conformance
MMD-Monitors & Displays Taiwan Ltd.	220B4L	New Zealand	Monitors	4.3.2.2	O	Marking of plastics	Insufficient evidence to prove accuracy of declaration	Manufacturer undeclared the Non-Conformant criterion
Acer Inc.	Veriton X2631G	Portugal	Desktops	4.3.2.2	O	Marking of plastics	Declaration proven inaccurate	Manufacturer provided evidence demonstrating Conformance

TABLE 2: Specific Non-Conformance Findings and Corrective Action Taken

Participating Manufacturer	Product	Country	Product Type	Criterion	Required or Optional	Criterion Description	NC Finding Description	Corrective Action Taken
Gammatech Computer Corporation	SA14	United States	Notebooks	4.6.2.1	R	Provision of a rechargeable battery take-back service	Insufficient evidence to prove accuracy of declaration	Manufacturer provided evidence demonstrating Conformance
ViewSonic Corporation	VG2228wm-LED/14298	United States	Monitors	4.7.3.2	O	Corporate report based on GRI	Insufficient evidence to prove accuracy of declaration	Manufacturer provided evidence demonstrating Conformance
Hyundai IT America Corp.	P247DPU	United States	Monitors	4.8.3.1	R	Declaration of recycled content	Declaration proven inaccurate	Manufacturer corrected the declaration on the EPEAT Registry
EIZO Corporation	FlexScan EV2316W	United States	Monitors	4.8.3.1	R	Declaration of recycled content	Declaration proven inaccurate	Manufacturer provided evidence demonstrating Conformance
EIZO Corporation	FlexScan S1933	United States	Monitors	4.8.4.1	O	Provision of take-back program for packaging	Insufficient evidence to prove accuracy of declaration	Manufacturer provided evidence demonstrating Conformance

6. Background

To assure the credibility of the EPEAT Registry, verification of the claims by Participating Manufacturers are rigorous, independent and transparent. Verification is conducted according to policies and procedures described in documents provided on www.epeat.net. Manufacturers are given no forewarning that their products will be verified, and verification is performed based on the declarations as they are in the Registry at the time the Verification Round begins.

Investigations are performed by expert technical contractors called Auditors working for a Conformity Assurance Body approved by the Green Electronics Council (GEC). Auditors are free of conflicts of interest, and their recommended decisions are reviewed and finalized by a four-person panel of independent technical experts (called the Conformity Decision Panel) who are also contractors free of conflicts of interest. Decisions of conformity by the Conformity Decision Panel are made blind to the identity of the products and companies they are judging, based only on evidence collected and analyzed by Auditors. A serious consequence of receiving a Non-Conformance is that it is published publicly in an Outcomes Report, for purchasers, competitors, and others to see.

- In a Level 0 investigation, an Auditor assesses Conformance to a criterion by examining publicly available information only – no products are obtained for inspection or testing, and the Manufacturer is not asked to submit documentation. If the publicly available information is inconclusive (i.e. was not available, could not be found from public sources, or did not provide enough details to determine conformance), the Auditor may be instructed to proceed with a Level 1 investigation.
- In a Level 1 investigation, an Auditor assess Conformance to a criterion by examining information submitted by a Manufacturer. The Manufacturer is required to provide detailed and accurate information in a timely manner.
- In Level 2 investigations, the Conformity Assurance Body obtains a product without the Manufacturer's knowledge or involvement, and has the product disassembled and inspected to assess conformance with one or more criteria.
- In Level 3 investigations, the Conformity Assurance Body obtains a product without the Manufacturer's knowledge or involvement, and has the product analytically tested to assess conformance with one or more criteria.

Manufacturers must correct Non-Conformances, either by bringing the product into Conformance, by un-declaring the criterion until Conformance is achieved, or by removing the product from the Registry. The Green Electronics Council also requires that Manufacturers examine other registered products to determine if their declarations should be corrected as well. If a Manufacturer corrects the Non-Conformance by un-declaring the criterion and the criterion is an optional criterion, they lose that point, and possibly the product drops a tier. If it is a required criterion, they must archive the product. If it is a required corporate criterion, they must archive all of their registered products.