

## **Background**

EPEAT and the IEEE 1680 family of standards are environmental standards to assist in the procurement of more environmentally friendly IT products in a transparent manner. EPEAT follows a “Trust but Verify” registration model that requires subscribers to the EPEAT program to understand and implement certain product and corporate environmental criteria. They also must pass a post-registration verification wherein subscribers must provide details as to how they and/or their product’s are conformant to the IEEE 1680 standard. It is important that processes and procedures are in place during the design of registered products that assure that the standard is being met.

Schaffer Environmental provides a variety of services to manufacturers to assist their efforts in EPEAT enablement, assessment, verification, training and supportive testing. A “base” level EPEAT enablement assessment program and its cost are outlined on page 2. Additional potential services associated with EPEAT are listed on pages 3 and 4.

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## **About Schaffer Environmental**

Mark Schaffer, principal and owner, is a leader in the development and implementation of the EPEAT standard for desktops, notebooks and monitors and served on the Board of Advisors of the Green Electronics Council while with Dell. Mr.Schaffer currently is an active participant and voting member of the IEEE 1680 computer workgroup as well as the IEEE 1680.2 and .3 Imaging and Television standards workgroups that are developing the first expansion of EPEAT criteria into these product groups. He is the chair for the end-of-life management criteria sub-group for imaging devices. He has assisted multiple international manufacturers in enabling EPEAT “Gold” level products.

Headquartered just outside Austin, Texas, Schaffer Environmental provides leading environmental and sustainability consulting, advisory and project management services to organizations, businesses, governments and regulators around the world. Schaffer Environmental utilizes ten plus years of hands-on industry compliance and governmental/regulatory development engagements to apply real world experiences to existing and emerging environmental trends such as green procurement regulations (EPEAT and eco-labels) carbon/GHG reporting, product life cycle analysis, and corporate social responsibility. Industry expertise focus for Schaffer Environmental is in the electronics products and IT sectors.

## **EPEAT Enablement Evaluation and Assessment**

### **Cost: US\$8000.00**

#### **Includes the following key activities:**

1. Assist potential EPEAT subscriber (known as “subscriber” hence) in identifying the criteria points that must be claimed to meet the minimum EPEAT qualifications and the criteria points that are optional that each subscriber would want to claim to achieve the desired EPEAT level based.
2. Conduct Gap Analysis with subscriber to determine what additional services, testing and/or data that will be needed to meet the selected criteria based on subscriber’s current processes and services.
3. Provide assistance and training, where needed, to subscriber on implementing processes. Subscriber is responsible for the understanding and implementation of the recommended procedures.

Items 2 and 3 will be a detailed and in depth discussion with the individual subscriber for their product. The goal is to ensure that the subscriber understands the systems that need to be put in place for EPEAT conformance and understand the verification process.

#### **Key outcomes:**

1. Review and Identify any changes/additions to product, processes, procedures and/or services to achieve desired EPEAT criteria
2. Identify areas of additional data collection needed to show conformance to EPEAT criteria
3. Ability to register EPEAT products at the level desired based on the product design and the systems in place to show conformance
4. Pass future EPEAT verification

The subscriber will provide necessary information on products, services and capabilities to complete above tasks. As much as is possible, email and telephone discussions will be used to conduct the above work. Travel and non-typical expenses would be preapproved and are the responsibility of the potential subscriber.

### **Verification Simulation**

Three levels of varying degrees of verification simulation are offered as described below. Each verification would apply to a single product only. Additional costs will incur if multiple products are to be examined.

**Limited “Paper” Verification only – Cost: US\$8000.00**

**“Out of the Box” Verification – Cost: US\$12000.00 + product sample**

**Complete “Paper” Verification – Cost: US\$16000.00**

1. Limited paper verification - Conduct formal simulated verification on selected products and criteria. This will include request for data submittal to show conformance to selected criteria for specific products. Would be conducted on approximately 10 total criteria points being claimed for a single product. Objective is to train subscriber on the type of information that will be needed to be provided, assess the details of this information and interact with the subscriber similar to that of an EPEAT qualified verifier. A summary report of outcomes based on the verification will be provided.
2. “Out of the Box” Verification – Includes the limited paper verification as well as an examination of a production-level product. Subscriber would need to provide product and packaging as if ordered by any customer. Verification would be for non-destructive examination only. Analytical testing (such as materials or energy testing) or destructive testing would be at an additional charge based on tests requested.
3. Complete Verification Simulation – Conduct paper verification assessing the documentation for EPEAT conformance for the product for 100% of the claimed product and corporate criteria. A detailed report of outcomes based on the verification will be provided. An “Out of the Box” Verification can be added to the complete verification for an additional \$3000 + product sample as well as any additional cost incurred from required materials and/or energy testing, if requested.

### **EPEAT Education/Enablement Training**

**Cost: varies on criteria**

Provide detailed assistance and/or training for implementation of selected EPEAT criteria and/or Enablement processes. Please inquire with your specific need(s) for quote.

**Act as corporate contact for product registrations on EPEAT.net**

**Cost: \$8000/year**

Be the listed contact on EPEAT.net for a subscribing company and act as the project manager for inquiries through EPEAT.net including providing general product registration assistance to the subscriber, desk review and verification assistance. If interested, please inquire directly with Schaffer Environmental for details.

**Formal EPEAT Verification Round Assistance**

**Cost: US\$2000.00/verification round**

Support/Assess subscriber response to formal EPEAT verification requests. Help formulate responses to QV requests as well as corrective action plans (if necessary)

**Assist with Corporate and Product Registrations on EPEAT.net**

**Cost: US\$1000/product**

Provide training necessary for the subscriber to register products on EPEAT.net and initial corporate points. Register products on behalf of subscriber with subscribers assistance if needed.

**Additional EPEAT Services**

**Costs vary with services**

Schaffer Environmental and/or its affiliates can provide additional services that may be contracted independently by the subscriber. Other services are available or can be developed to support subscribers' unique needs.

1. Conduct "Conformance Testing" which may include external lab testing for materials compliance (RoHS and lower-than RoHS points) and for energy-star testing. Provide energy pre-testing services prior to submitting systems for formal Energy Star testing. Exact testing will be determined in collaboration with the manufacturer based on their needs and already collected information.
2. Recommend consultants, labs etc that can conduct and/or assist in various EPEAT compliance tests or process enablement activities.
3. Represent subscribers during IEEE standards development processes (working groups, calls, meetings etc)
4. Evaluate and/or implement OEM/ODM processes, programs, designs, and products for full EPEAT enablement and registration

**Standard hourly rate for non-packaged Services**

**Cost: US\$250/hour + expenses**

In addition to the above EPEAT services, Schaffer Environmental can be contracted at the above rate for other EPEAT and environmental services. Rate is negotiable based on length of contract and services required.

IF YOU ARE INTERESTED IN ANY OF THE LISTED EPEAT SERVICES OR OTHER ENVIRONMENTAL SERVICES, PLEASE CONTACT ME:

CONTACT INFORMATION:

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LISTED RATES ARE EFFECTIVE JANUARY 1, 2010.