



## The Definitive Global Rating System for Greener Electronics

### EPEAT Manufacturer Update: May 19, 2014

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#### Slates to be Eligible for EPEAT PC Registration

ENERGY STAR plans to release version 6.1 of the Computers specification in early June 2014, simultaneous with release of the 6.0 specification. The 6.1 specifications for the first time will explicitly address "slate"-style computing devices -- as [defined by ENERGY STAR](#) specifications, basically tablet computing devices lacking a fixed keyboard and without a cellular voice connection.

As of the eventual 6.1 effective date (it may be pushed back), the lack of an ENERGY STAR specification will no longer present a barrier to EPEAT registration of slate devices in the EPEAT PC and Display product category. The products ENERGY STAR defines as "[two-in-ones](#)" will also continue to be eligible for ENERGY STAR and EPEAT notebook category registration, as they have been under previous ENERGY STAR versions.

(See [this document](#) for detailed discussion during the specification development process of the ENERGY STAR definitions of two-in-ones vs. slates.)

Two-in-ones/Tablets and Slates are defined as subcategories of notebook computers in both ENERGY STAR 6.1 and IEEE 1680.1, and must meet all required criteria in the PC-Display standard that apply to the Notebook product category (i.e. all 1680.1 required criteria). EPEAT will add new product sub-categories within the PC and Display product listings to make registered tablet and slate devices easier to find.

#### Registration Process

Because slates will be registered under IEEE 1680.1,

EPEAT is not planning to require PREs to subject them to any special Desk Review procedures. Manufacturers who already register PCs and Displays and are off Desk Review for all criteria of IEEE 1680.1, if they wish to declare for these products, will be able to register slates directly, with the product records appearing immediately in the Registry. Slate device registrations by manufacturers that are not current EPEAT subscribers will appear on the Registry subject to the standard Desk Review requirements of their PRE.

EPEAT will verify a selection of newly registered slates soon after they appear on the Registry. As with all registered products, Participating Manufacturers should be prepared to support any declared criterion with adequate evidence, in the early stages of registration and throughout the products' Active status on the EPEAT Registry.

We look forward to the addition of slates to the EPEAT Registry.

### Technical Review

To help manufacturers prepare for registration of slates, EPEAT has compiled a list of the IEEE 1680.1 criteria that may potentially require extra attention to ensure full support for this new product category. EPEAT recommends that manufacturers planning to register slate products explore and discuss with their PRE any questions regarding conformance.

Criteria of interest include:

Criterion	Required or Optional	Criterion Title	Potential Issue for Slates?
4.3.1.3	R	Easy disassembly of external enclosure	Possibly
4.3.1.5	R	Identification and removal of components containing hazardous materials	Possibly
4.3.2.1	O	Manual separation of plastics	Possibly
4.4.1.1	R	Availability of additional 3-year warranty or service agreement	Possibly

4.4.2.1	R	Upgrade with common tools	Possibly
4.4.2.2	O	Modular design	Possibly
4.4.3.1	O	Availability of replacement parts	Possibly
4.6.1.1	R	Provision of product take-back service	Possibly
4.6.2.1	R	Provision of rechargeable battery take-back service	Possibly

### **Provision of Analytical or Empirical Test Data for 1680.1 Verification Rounds**

The verification requirements for criteria in Section 4.1 of IEEE 1680.1-2009 call for "*Evidence of certification from component manufacturers that is based on either empirical data demonstrating compliance or analytical test data demonstrating compliance.*"

Interpretation 1-6 indicates: "*Empirical data may include supplier assurance of conformance, and must include component sampling or data collection that is evaluated within a quality control system that demonstrates conformance.*" Additionally, the Conformity Assurance Protocols indicate that demonstration of a quality control program should include the following, or an equivalent:

- Description of program, including frequency of monitoring;
- Demonstration of how the program provides assurance of conformance for all manufacturing operations and/or all suppliers as appropriate to the criterion; and
- A spot-testing program of incoming components or raw materials with at least one sample of test results measured to a threshold sufficient to verify conformance to the applicable criterion.

Therefore, whether empirical or analytical, results from laboratory testing are required for these criteria. Participating Manufacturers are encouraged to be prepared with this information for Verification Rounds.

### **Reminder: Call for Papers for "Going Green - CARE INNOVATION 2014" Conference**

The International CARE Electronics Office this year will host Going Green - CARE INNOVATION 2014 in Vienna, Austria, from Nov. 17-20. This premiere international conference on green electronics for 2014 will attract more than 400 global experts and provide "a platform for presenting up-to-date progress on sustainable development and the development of eco-efficient electr(on)ic and automotive products." Partner conferences are held on a rotating annual basis in Europe, North America and Asia.

As a leader in greener electronics, you may be exploring opportunities to share your ideas and advances. If so, the deadline for submitting abstracts is May 31. For more information, visit the conference's [official website](#).

### **Verification Updates**

- [Imaging Equipment Outcomes Report: IE-2014-01](#)
- [Televisions Outcomes Report: TV-2013-03](#)
- [First Imaging Equipment Verification Round of 2014 launched](#)
- [Imaging Equipment Outcomes Report: IE-2013-04](#)
- [Imaging Equipment Outcomes Report: IE-2013-03](#)