



# **Guidance on Purchasing EPEAT Registered Products**

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# EPA's Recommendations of Standards and Ecolabels draws from the following authorities...

- National Technology Transfer and Advancement Act & OMB Circular A-119
  - Directs agencies to use private sector consensus standards instead of government-unique standards, when practical, in procurement and regulatory programs
- The P2 Act [42 U.S.C.A. § 13103(b)(11)]
  - Requires EPA to “Identify opportunities to use Federal procurement to encourage source reduction.”
- Executive Orders for environmental leadership in the Federal government since 1993
  - Require feds to procure environmentally sustainable products
  - Require EPA to help federal agencies buy environmentally preferable products and services
  - Take a multi-attribute, lifecycle based approach to defining “environmentally preferable purchasing”



# Introduction to EPEAT



## What is EPEAT®?

- The Electronic Product Environmental Assessment Tool (EPEAT)
- Helps *purchasers* evaluate, compare and select electronic products based on their environmental attributes
- Enables *manufacturers* to obtain market recognition through achievement of specific performance criteria in electronic product design and sales
- Managed by non profit Green Electronics Council



## What is EPEAT?

- A set of environmental performance standards for electronic products
- A registry of products that meet the standards
- A verification system to ensure that products have achieved specified performance criteria



# How are Standards EPEAT Uses Created?

- Developed through ANSI accredited Standards Development Organizations
- Open, consensus based process used
- Active participation from manufacturers, suppliers, recyclers, academics, government representatives, purchasers, and environmental advocacy organizations



# How are products rated in EPEAT?

- Products must meet all **required** criteria to qualify for EPEAT.
- Products are rated Bronze, Silver or Gold based on how many **optional** criteria they meet

Green (< 50%)



Greener (50-75%)



Greenest (> 75%)





# What is Greener About EPEAT Registered Products?

- Products must meet several required criteria for:
  - Energy Conservation (Energy Star, FEMP)
  - Environmentally Sensitive Materials
  - Materials Selection
  - Design for End of Life
  - Product Longevity/Life Cycle Extension
  - Packaging
  - Corporate Performance
  - End of Life Management
  - Imaging Equipment Products – Consumables, Indoor Air Quality
- Products can also meet more stringent optional criteria in each of these categories





# Feds Required to Buy EPEAT Registered Products

- Executive Order 13693 Section 3 (l) states that *the head of each agency shall promote electronics stewardship by....ensuring procurement preference for environmentally sustainable electronic products (defined in EPA's Recommendations)*
- EPA's Recommendations for Computers, Imaging Equipment, and Televisions are to procure EPEAT Registered products
- Federal Acquisition Regulation (FAR) Part 23
  - Requires acquisition of EPEAT® registered electronics (23.103A)
  - Contracting clause requires acquisition of Bronze registered products, alternate clause for Silver or higher



# What Dollar Threshold of IT Purchases Does the EPEAT Requirement Apply to?

- **ALL PURCHASES** -- There is no statutory, executive order, or FAR threshold for purchases of sustainable products.
- FAR 13.201 (f) “The procurement requirements in subparts 23.1, 23.2, 23.4, and 23.7 apply to purchases at or below the micro-purchase threshold”.



# What Products Does EPEAT Cover?

**Currently:** Computer Desktops, Notebooks (including two in one notebooks), Displays, Integrated Desktop Computers, Workstation Desktops, Thin Clients, and Slates/Tablets

Imaging equipment: (Printers, Copiers, Multi-Function Devices, Scanners, Fax Machines, Digital Duplicators, Mailing Machines)

Televisions

**Up next:** Servers

Mobile devices





# What Products Does EPEAT Not Cover Yet? (as of December 2016)

- Cellular phones, PDAs, or other handhelds
- Peripherals, except those sold with covered products
- Digital whiteboards
- Handheld scanners and printers (e.g., for bar codes)
- Desktop (small-scale) servers
- Professional signage and digital picture frames



# What Is Considered An EPEAT Registered Product?

- Products must be **active** EPEAT registered products at:
  - the time of bid submission
  - the time of award
  - the time of purchase
- Archived EPEAT registered products are not considered EPEAT registered products

# EPEAT-Registered Products



- For the purposes of compliance and reporting :
  - Products count as EPEAT-registered if they had an active registration at the time of acquisition

**PRODUCT:** Lenovo ThinkCentre M90 Small

**PRE:** EPEAT, Inc.

**COUNTRY:** United States

**PRODUCT TYPE:** Desktops

**MANUFACTURER:** Lenovo

**URL:** <http://www.lenovo.com>

**RATING:**



**REGISTRATION DATE:** 1/27/2010

**PRODUCT STATUS:** ■ Active

**PRODUCT:** HP Compaq dc5800 Microtower PC

**PRE:** EPEAT, Inc.

**COUNTRY:** United States

**PRODUCT TYPE:** Desktops

**MANUFACTURER:** Hewlett-Packard

**URL:** <http://hp.com>

**RATING:**



**REGISTRATION DATE:** 3/26/2008

**PRODUCT STATUS:** ■ Archived on 3/9/2011



# Product Availability as of January 2017

- **Computers and Displays:**
  - Over 1,734 EPEAT registered computer products in US
  - Manufactured by: 32 different manufacturers, representing 90-95% of the global market share
- **Imaging Equipment:**
  - Over 1,628 EPEAT registered imaging equipment products in US
  - Manufactured by: 16 different manufacturers, representing 90-95% of the global market share
    - Examples include: Canon, Dell, Epson, Fujitsu Limited, HP, Kodak Alaris, Konica Minolta, Kyocera, Lexmark, Ricoh, Samsung, Sharp, Toshiba, Xerox.
- **Televisions**
  - Over 64 EPEAT registered televisions in US
  - Manufactured by: LG, Samsung
  - Manufacturers represent ~33% of the global computer market share
- No known price differential for these products in B2B settings
- If you don't see a product on the Registry that you want to procure, let your vendors know!



# Integrating EPEAT Requirements Into Our Contracts





# Finding EPEAT Registered Products

- Find on the EPEAT Registry: [www.epeat.net](http://www.epeat.net)
- Procure registered products via:
  - Major IT Vehicles identified on [Acquisition Gateway](#)
    - NASA SEWP V IT GWAC
    - NIH NITAC BPA or CIO CS IT GWAC
    - GSA Schedule 70
  - IT Commodities -- [GSA Advantage Select](#)
  - GSA Multiple Award Schedules (36, 58 I, 70, and 75)
  - GSA Federal Strategic Sourcing Initiative (FSSI) Office Supplies, third generation (OS3) IDIQs
  - Purchasing platforms: GSA Advantage, DOD Email
  - Agency Specific contracts
  - Ask your Agency IT department if your Agency IT hardware contract offers EPEAT registered products
- Specify you want EPEAT registered products in all Task Orders!



# Searching the EPEAT Registry

A program of the Green Electronics Council

EPEAT Purchaser Awards    Contact    Case Studies    News

**ABOUT EPEAT**    PARTICIPANTS    RESOURCES    MANUFACTURER LOGIN

**Q SEARCH FOR PRODUCTS**

How Does EPEAT Work?

Find Out More

● ○ ○ ○ ○

A screenshot of the EPEAT Registry website. The top navigation bar includes "ABOUT EPEAT", "PARTICIPANTS", "RESOURCES", and "MANUFACTURER LOGIN". A search bar with the text "Q SEARCH FOR PRODUCTS" is highlighted with a red circle and a red arrow. Below the navigation is a large banner image of a person's hands typing on a laptop keyboard. The banner contains the text "How Does EPEAT Work?" and a "Find Out More" button. At the bottom of the banner are four small circles, with the first one filled.

# EPEAT Registry Search



## Quick Search

Your resource for greener electronics. EPEAT is the definitive global registry for greener electronics. It's an easy-to-use resource for purchasers, manufacturers, resellers and others wanting to find or promote environmentally preferable products.

Imaging Equipment  United States

				Total
Copier	0	4	12	16
Digital Duplicator	0	10	0	10
Facsimile Machine (Fax Machine)	2	3	0	5
Mailing Machine	0	0	0	0
Multifunction Device (MFD)	171	452	361	984
Printer	117	299	90	506
Scanner	39	67	1	107
<b>Totals</b>	<b>329</b>	<b>835</b>	<b>464</b>	<b>1628</b>

# EPEAT Registry Search



Show  entries

Search:

[More Detail](#)

<input type="checkbox"/>	Compare	Product	Country	Product Category	Rating		
<input type="checkbox"/>		RICOH MP C307SPF; MP C307	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		RICOH MP C407SPF; MP C407	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		RICOH MP 7503; MP 7503SP	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		RICOH MP 9003; MP 9003SP	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		SAVIN Pro C5210S	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		LANIER Pro C5210S	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		SAVIN MP C307SPF; MP C307	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		LANIER MP C307SPF; MP C307	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		SAVIN MP C407SPF; MP C407	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		LANIER MP C407SPF; MP C407	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		KYOCERA TASKalfa 4052ci	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		KYOCERA TASKalfa 5052ci	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		KYOCERA TASKalfa 6052ci	United States	Multifunction Device (MFD)	Gold	2	
<input type="checkbox"/>		KYOCERA TASKalfa 4002i	United States	Multifunction Device (MFD)	Gold	2	2017-01-23
<input type="checkbox"/>		KYOCERA TASKalfa 5002i	United States	Multifunction Device (MFD)	Gold	2	2017-01-23
<input type="checkbox"/>		KYOCERA TASKalfa 6002i	United States	Multifunction Device (MFD)	Gold	2	2017-01-23
<input type="checkbox"/>		RICOH MP 6503; MP 6503SP	United States	Multifunction Device (MFD)	Gold	2	2017-01-23 multiple
<input type="checkbox"/>		RICOH PRO 8210	United States	Multifunction Device (MFD)	Gold	2	2017-01-23 404939
<input type="checkbox"/>		RICOH PRO 8220	United States	Multifunction Device (MFD)	Gold	2	2017-01-23 404940
<input type="checkbox"/>		SAVIN PRO C7100S with R-61A	United States	Multifunction Device (MFD)	Gold	2	2017-01-23 404622
<input type="checkbox"/>		LANIER PRO C7100S with R-61A	United States	Multifunction Device (MFD)	Gold	2	2017-01-23 404622

Product  
 Country  
 Product Category  
 Rating  
 Reg. Date  
 Part No.  
 Energy Star Ver.  
 Monitor Type  
 Monitor Size  
 Active/Archived  
 Exceptions  
 Opt.Pts  
 UPC  
 EAN  
 CAB

# EPEAT Registry Search



## EPEAT Product Comparison

[Back to Search Results](#)

Criterion	Brand: RICOH Model: MP 9003SP; MP 9003 Company: Ricoh Country: United States Rating: Gold Points: 19/25	Brand: LANIER Model: MP C307SPF; MP C307 Company: Ricoh Country: United States Rating: Gold Points: 19/25	Brand: KYOCERA Model: TASKalfa 5052ci Company: Kyocera Country: United States Rating: Gold Points: 19/25
4.1.2.1 Further reduction of the use of European Union RoHS Directive hazardous substances (cadmium)	YES	YES	YES
4.1.3.2 Use of non-mercury containing light sources	YES	YES	YES
4.1.4.1 Reduction of substances on the European Union REACH Candidate List of SVHCs	YES	YES	YES
4.1.6.2 Eliminating or reducing BFR/CFR content of printed circuit board laminates	NO	NO	NO
4.1.6.3 Eliminating or reducing BFR/CFR/PVC content of product	NO	NO	NO
4.1.7.1 Reduce fluorinated gas emissions resulting from flat panel display manufacturing	YES	YES	YES
4.1.8.1 Inventory of intentionally added chemicals residing in the product	YES	YES	YES
4.2.1.3 Minimum 5% to 10% content of postconsumer recycled plastic	YES	NO	YES
4.2.1.4 Minimum 25% content of postconsumer recycled plastic	NO	NO	NO
4.2.2 Minimum content of high-strength plastic material	NO	NO	NO



# Using Existing Contracts

- If your contract includes language on purchasing EPEAT registered products when they become available
  - You should be able to buy EPEAT registered!
  - May need to specify EPEAT registered in task or delivery orders
- If your contract does not include language on purchasing EPEAT registered products
  - You may still be able to buy EPEAT registered
  - Check if you can specify EPEAT registered products in task or delivery orders
  - Check if you can add EPEAT registration requirements in upcoming technology refreshes or contract modifications



## What's in the FAR?

- The FAR currently includes contract clauses which require procurement of EPEAT registered products for all of the covered products
- These clauses can be integrated in existing contracts via technology refreshes and added to all new contracts



# FAR Contract Clause for Procuring EPEAT Registered Computer Desktops, Laptops, and Monitors

## 52.223-16 Acquisition of EPEAT Registered Personal Computer Products.

(b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for contractor use at a Federally controlled facility, only personal computer products that at the time of submission of proposals and at the time of award, were EPEAT Bronze registered or higher.

(c) For information about EPEAT, see [www.epa.gov/epeat](http://www.epa.gov/epeat).

*Alternate 1 (Jun 2014).* As prescribed in [23.705\(d\)\(2\)](#), substitute the following paragraph (b) for paragraph (b) of the basic clause:

(b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for contractor use at a Federally controlled facility, only personal computer products that, at the time of submission of proposals and at the time of award, were **EPEAT Silver registered or gold-registered**.





# FAR Contract Clause for Procuring EPEAT Registered Imaging Equipment

## 52.223–13 Acquisition of EPEAT®- Registered Imaging Equipment.

(b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for Contractor use at a Federally controlled facility, only imaging equipment that, at the time of submission of proposals and at the time of award, was EPEAT® bronze registered or higher.

(c) For information about EPEAT®, see [www.epa.gov/epeat](http://www.epa.gov/epeat).

**Alternate I** (Jun 2014). As prescribed in 23.705(b)(2), substitute the following paragraph (b) for paragraph (b) of the basic clause:

(b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for contractor use at a Federally controlled facility, only imaging equipment that, at the time of submission of proposals and at the time of award, was EPEAT **silver-registered or gold-registered**.



# FAR Contract Clause for Procuring EPEAT Registered Televisions

## 52.223–14 Acquisition of EPEAT®- Registered Televisions.

- (b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for Contractor use at a Federally controlled facility, only televisions that, at the time of submission of proposals and at the time of award, were EPEAT® bronze registered or higher.
- (c) For information about EPEAT®, see [www.epa.gov/epeat](http://www.epa.gov/epeat).

**Alternate I** (Jun 2014). As prescribed in 23.705(c)(2), substitute the following paragraph (b) for paragraph (b) of the basic clause:

- (b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for Contractor use at a Federally controlled facility, only televisions that, at the time of submission of proposals and at the time of award, were EPEAT® **silver-registered or gold-registered**.



# Tracking Our Greener IT Purchases



# Contract Administration Audit

FAR 42.301 (a) (68) **Monitor** the contractor's **environmental practices** for adverse impact on contract performance or contract cost, and for **compliance with environmental requirements** specified in the contract. ACO responsibilities include—

- (i) Requesting environmental technical assistance, if needed;
- (ii) Monitoring contractor compliance with specifications or other contractual requirements requiring the **delivery or use of environmentally preferable products, energy-efficient products, products containing recovered materials, and biobased products**. This must occur as part of the quality assurance procedures set forth in Part 46.



# Reporting Requirements Related to EPEAT

- All agencies are required to report to OMB on their procurement of EPEAT registered products, as part of the Integrated Data Collection (IDC)
- Agencies must report the percentage of EPEAT-registered products purchased, in the most recent fiscal year, Agency-wide, across all applicable product categories:
  - Monitors
  - PCs (including tablets)
  - Laptops
  - Multi-Function Devices
  - Printers
  - Televisions



# Recommended Language for New Contracts

- “Suppliers are required to provide quarterly reports quantifying the number of EPEAT registered products purchased under this contract. The information must be reported in a matrix providing the following data for the current quarter, the fiscal year, and the duration of the contract”.

	Unregistered	Bronze	Silver	Gold
Desktops	1	0	5	12
Notebooks	0	1	3	10
Displays	0	0	0	30
Televisions	1	1	0	0
Printers	0	5	0	0
Copiers	0	2	0	0
MFDs	1	1	0	0

**EXAMPLE**



# Where to Find the Standards Used by EPEAT

- The IEEE 1680.1 Standard for the Environmental Assessment of Personal Computer Products:  
<http://www.techstreet.com/ieee/products/1676906>
- The IEEE 1680.2 Standard for the Environmental Assessment of Imaging Equipment:  
<http://www.techstreet.com/ieee/products/1789029>
- The IEEE 1680.3 Standard for the Environmental Assessment of Televisions:  
<http://www.techstreet.com/ieee/products/1789028>

To access these standards for free, please visit the “[Accessing Standards](#)” tab on EPA’s website.



## Need Further Assistance?

- Holly Elwood, EPA
  - [elwood.holly@epa.gov](mailto:elwood.holly@epa.gov)
  - 202-564-8854
  - [www.epa.gov/epeat](http://www.epa.gov/epeat) (has these training slides and the contract clauses and other resources)