Guidance on Purchasing EPEAT Registered Products

“the federal government can and should lead by example when it comes to creating innovative ways to reduce greenhouse gas emissions, increase energy efficiency, conserve water, reduce waste, and use environmentally responsible products and technologies”.

- President Obama, October 2009

Holly Elwood
Senior Program Manager
Pollution Prevention Division
Office of Chemical Safety and Pollution Prevention
US Environmental Protection Agency
The Environmentally Preferable Purchasing Program

• Established in 1993 by Executive Order 12873, and reaffirmed in Obama’s Executive Order 13514

• Executive Order Mandates EPA to:
  – Help federal agencies buy greener products and services
  – Harness federal purchasing power to green markets

• Federal Acquisition Regulations Part 23.703 state that Agencies must “Maximize the utilization of environmentally preferable products and services (based on EPA-issued guidance)”.

• Lead Agency efforts to:
  – Work with stakeholders to create life cycle, multi-attribute environment performance standards for priority products that feds procure and
  – Provide technical assistance to help feds buy products meeting these standards

• Focus on electronics, buildings, meetings
Introduction to EPEAT
What is EPEAT®?

• The Electronic Product Environmental Assessment Tool (EPEAT)
• A system to help *purchasers* evaluate, compare and select electronic products based on their environmental attributes
• A system to enable *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 voluntary performance criteria that define required and optional environmental attributes for electronic products

• A system for listing products that meet the performance criteria

• A method for verifying that listed products have achieved specified performance criteria
How are Standards EPEAT Uses Created?

• Developed through ANSI accredited Standard 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.
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 Orders 13514 and 13423
  - Require purchase and lease of EPEAT® registered electronics under both sustainable acquisition and electronics stewardship goals
  - Must achieve a 95% acquisition rate for products covered by EPEAT
- Federal Acquisition Regulation (FAR) Part 23
  - Requires 95% acquisition rate for 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**
• 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”.

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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 9/10/14)

- 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

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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.

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>Lenovo ThinkCentre M90 Small</th>
<th>Lenovo ThinkCentre M90 Small</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRE</td>
<td>EPEAT, Inc.</td>
<td>EPEAT, Inc.</td>
</tr>
<tr>
<td>COUNTRY</td>
<td>United States</td>
<td>United States</td>
</tr>
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<td>PRODUCT TYPE</td>
<td>Desktops</td>
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<tr>
<td>MANUFACTURER</td>
<td>Lenovo</td>
<td>Hewlett-Packard</td>
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<td>RATING</td>
<td>EPEAT Gold</td>
<td>EPEAT Gold</td>
</tr>
<tr>
<td>PRODUCT STATUS</td>
<td>Active</td>
<td>Archived on 3/9/2011</td>
</tr>
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</table>
When Do I Need to Start Buying EPEAT Registered Imaging Equipment and Televisions?

• Short answer – now!
• June 24, 2014 – the Federal Acquisition Regulations were amended to add requirement to procure EPEAT registered imaging equipment and televisions
• May 31st, 2013 – Memo issued by OMB’s Office of Federal Procurement Policy and CEQ’s Office of the Federal Environmental Executive
  – The memo states that “…agencies should begin purchasing, as appropriate, EPEAT certified products for these two new categories…”
• Agencies’ OMB Energy and Sustainability Scorecard scores will be impacted by progress towards meeting this requirement in 2014
Product Availability as of Fall of 2014

- Imaging Equipment:
  - Over 792 EPEAT registered imaging equipment products in US
  - Manufactured by: Canon, Dell, Epson, Fujitsu Limited, HP, Kodak Alaris, Konica Minolta, Kyocera, Lexmark, Ricoh, Samsung, Sharp, Toshiba, Xerox
  - Participating manufacturers represent over 80% of global imaging equipment market share

- Televisions
  - Over 243 EPEAT registered televisions in US
  - Manufactured by: LG, Samsung
  - Participating manufacturers represent over 40% of global TV 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:
  - National IT Commodities Program
  - GSA Multiple Award Schedules (36, 58, 70, and 75)
  - GSA Federal Strategic Sourcing Initiative (FSSI) Office Supplies 3 BPAs (once issued)
  - GSA FSSI Print Management Services BPAs
  - Purchasing platforms: GSA Advantage, DOD Email
  - NASA SEWP V IT GWAC
  - NIH NITAC BPA or upcoming CIO CS IT GWAC
  - 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

EPEAT is a comprehensive global environmental rating system that helps purchasers identify greener computers and other electronics.
# EPEAT Registry Search

![EPEAT Registry Search](image)

## Table

<table>
<thead>
<tr>
<th>Device Type</th>
<th>ENERGY STAR</th>
<th>SILVER</th>
<th>GOLD</th>
<th>Total</th>
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<td>Copyer</td>
<td>0</td>
<td>16</td>
<td>2</td>
<td>18</td>
</tr>
<tr>
<td>Digital Duplicator</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>Facsimile Machine (Fax Machine)</td>
<td>5</td>
<td>0</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Mailing Machine</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Multifunction Device (MFD)</td>
<td>175</td>
<td>229</td>
<td>65</td>
<td>469</td>
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<td>Printer</td>
<td>76</td>
<td>142</td>
<td>10</td>
<td>228</td>
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<tr>
<td>Scanner</td>
<td>25</td>
<td>28</td>
<td>0</td>
<td>53</td>
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<td>Totals</td>
<td>281</td>
<td>418</td>
<td>77</td>
<td>776</td>
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</table>

**9/16/2014**

U.S. Environmental Protection Agency
EPEAT Registry Search

65 Search Results Found

You Searched For:
- Country: United States
- Product Status: Active
- Product Type(s): Multifunction Device (MFD)
- Rating: Gold

Options:
- Export Product Info
- Export Product and Criteria Info

Show 25 entries

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
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<tr>
<td></td>
<td>Konica Minolta bizhub C554</td>
<td>United States</td>
<td>Multifunction Device (MFD)</td>
<td>Gold</td>
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<td>2/21/2013</td>
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<td>Konica Minolta bizhub C454</td>
<td>United States</td>
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<td>6/14/2013</td>
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<td></td>
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<td>6/14/2013</td>
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<td></td>
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<td>United States</td>
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<td>Gold</td>
<td>20</td>
<td>6/14/2013</td>
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<tr>
<td></td>
<td>Konica Minolta bizhub C224</td>
<td>United States</td>
<td>Multifunction Device (MFD)</td>
<td>Gold</td>
<td>20</td>
<td>6/14/2013</td>
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</tbody>
</table>

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### EPEAT Product Comparison

**Criterion**

<table>
<thead>
<tr>
<th>Criterion</th>
<th>Konica Minolta bizhub C554</th>
<th>Canon imageRUNNER ADVANCE C9280 PRO</th>
<th>RICOH MP C6502</th>
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<tbody>
<tr>
<td>4.1.2.1 Further reduction of the use of European Union RoHS Directive</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>hazardous substances (cadmium)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.1.3.2 Use of non-mercury containing light sources</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>4.1.4.1 Reduction of substances on the European Union REACH Candidate</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
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<tr>
<td>List of SVHCs</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>4.1.6.2 Eliminating or reducing BFR/CFR content of printed circuit board</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>laminates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.1.6.3 Eliminating or reducing BFR/CFR/PVC content of product</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>4.1.7.1 Reduce fluorinated gas emissions resulting from flat panel</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>display manufacturing</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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/epate.

Alternate I (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.

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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.

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.

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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.

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.

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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 Federal Energy and Sustainability Scorecard

- Agencies must report:
  a. If IT contracts include EPEAT clauses
  b. % of EPEAT products purchased in FY 2014 Agency-wide in the following categories:
     - Monitors
     - PCs
     - Laptops
     - Multi-Function Devices
     - Printers
     - Televisions

- 95% compliance will be based on all EPEAT products purchased/leased in FY 14

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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”.

<table>
<thead>
<tr>
<th></th>
<th>Unregistered</th>
<th>Bronze</th>
<th>Silver</th>
<th>Gold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desktops</td>
<td>1</td>
<td>0</td>
<td>5</td>
<td>12</td>
</tr>
<tr>
<td>Notebooks</td>
<td>0</td>
<td>1</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>Displays</td>
<td>0</td>
<td>0</td>
<td>30</td>
<td>0</td>
</tr>
<tr>
<td>Televisions</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Printers</td>
<td>0</td>
<td>5</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Copiers</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MFDs</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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Recommended Language for New Contracts

• “Suppliers are required to block non-EPEAT registered products on their electronic catalogs that customers may buy from through this contract”.

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Where to Find the Standards Used by EPEAT


• 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
Need Further Assistance?

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

• Federal agencies can email questions or requests for technical assistance to fec@epa.gov