

EPEAT[®] 101



[Name]

[Organization]

Overview

- What is EPEAT
- Who uses EPEAT
- How was it developed
- How does it function
- Where is it going
- Q&A

What is EPEAT® ?

Electronic Product Environmental Assessment Tool

For Purchasers it is:

- An environmental procurement tool designed to help IT purchasers address environmental concerns in their purchasing process for electronic products
- A system that currently covers laptops, desktops, and monitors and is in the process of expanding to include imaging equipment (printers/scanners/etc.) and televisions



What is EPEAT?

For Manufacturers it is:

- Clear and consistent performance criteria for the design of products and related services
- An opportunity to secure market recognition for efforts to reduce the environmental impacts of their products



Some Purchasers Using EPEAT

- National Governments:
 - USA, including NASA, DOD, EPA, DHS, DOE, DOI, GSA (approx \$65 billion in contracts citing EPEAT)
 - Canadian Federal Government Master Agreement
 - New Zealand Environmental Ministry, Govt. of Thailand, Govt. of Singapore
- Private Sector:
 - Kaiser Permanente, HSBC, Premier Inc., McKesson, Marriott International, Deloitte, Tesco, Fairmont Hotels
- Cities:
 - San Francisco, Phoenix, AZ, San Jose, CA, Vancouver, BC, Seattle, WA, Portland OR, Los Angeles County, Culver City, CA, Providence RI, Keene NH
- States/Provinces:
 - California, Maine, Massachusetts, Minnesota, New York, Oregon, Washington, Wisconsin, Provinces of Nova Scotia, Ontario, Quebec
- Higher Ed: Cornell, Yale, University of California system

For more purchaser information, see www.epeat.net/RFP.aspx



Requirements for Feds to Buy EPEAT

- Acquisition of EPEAT registered electronic products is required by:
 - Federal Acquisition Regulation (FAR) Section 23.705
 - E.O. 13423
- Compliance measured in:
 - OMB Environmental Stewardship Scorecard
- EPEAT requirements are also being integrated into OMB IT Optimization Plans



Requirements For Feds to Buy EPEAT

- EPEAT is now in the FAR:
 - 23.705 Electronic products environmental assessment tool.
- (a) General. As required by E.O. 13423, agencies must ensure that they meet at least 95 percent of their annual acquisition requirement for electronic products with Electronic Product Environmental Assessment Tool (EPEAT)-registered electronic products, unless there is no EPEAT standard for such products. This policy applies to contracts performed in the United States, unless otherwise provided by agency procedures.



Sample Contract Language

For desktops, laptops and monitors:

- The Government reserves the right to require or otherwise provide preference on contractor solutions that include specific models of desktop computers, notebooks and monitors qualified through the Electronics Products Environmental Assessment Tool (EPEAT) or its successor.

For forthcoming imaging equipment:

- [DEPARTMENT/AGENCY] reserves the right to require, via upcoming technology refreshes to this contract, products meeting the upcoming IEEE 1680.2 Standard for the Environmental Assessment of Imaging Equipment, and/or the IEEE 1680.3 Standard for the Environmental Assessment of Televisions once these standards are final and publicly available. The Contractor shall be responsible for ensuring equipment meets the latest EPEAT registration requirements before it is delivered. The registration requirements and a list of all equipment meeting the requirements will be available at: www.epeat.net.
- At the time that these new IEEE standards are final, suppliers will be required to provide quarterly reports quantifying the number of EPEAT registered products purchased under this contract.



EPEAT Development

- Developed in a three-year multi-stakeholder process supported by EPA to address difficulty with “green computer” sourcing
 - Extensive engagement of:
 - Environmental advocacy groups
 - Manufacturers, technical experts, recyclers
 - Private and public purchasers
 - Consensus achieved on environmental criteria and the EPEAT system
 - Board of Advisors comprised of all stakeholder groups
 - EPEAT is developed and guided by all stakeholders



The EPEAT System

1. Standard comprised of 51 environmental performance criteria (IEEE Standard 1680 for the Environmental Assessment of Personal Computer Products)
2. System for identifying and verifying products that meet these criteria (EPEAT Registry at www.epeat.net)
3. Environmental Benefits Calculator to assess (or project) benefits from purchasing EPEAT



EPEAT Environmental Criteria

23 required and 28 optional criteria in eight categories:

- Environmentally Sensitive Materials
- Materials Selection
- Design for End of Life
- Product Longevity/Life Cycle Extension
- Energy Conservation
- End of Life Management
- Corporate Performance
- Packaging



Key Required Criteria

- Most recent ENERGY STAR standard
- RoHS compliance – reduced toxic substances
- Availability of OEM takeback and recycling
- Minimum 65% recyclable/reusable
- Upgradeable with common tools
- Extended warranty available
- Elimination of toxic metals in packaging
- Company EMS, policy and reporting



EPEAT Tiers



EPEAT Bronze

- Meets all 23 mandatory criteria



EPEAT Silver

- Meets all mandatory criteria and at **least 50%** of the optional criteria






EPEAT Gold

- Meets all mandatory criteria and at **least 75%** of the optional criteria

EPEAT Registered Products

EPEAT Quick Search Tool

Product				Total
	BRONZE	SILVER	GOLD	
Desktops	<u>12</u>	<u>58</u>	<u>94</u>	<u>164</u>
Integrated Desktop Computers	0	<u>30</u>	<u>6</u>	<u>36</u>
Monitors	<u>1</u>	<u>440</u>	<u>67</u>	<u>508</u>
Notebooks	<u>17</u>	<u>287</u>	<u>229</u>	<u>533</u>
Thin Clients	0	0	0	0
Workstations	0	<u>8</u>	<u>17</u>	<u>25</u>
Totals	30	823	413	1266

As of July 2009, see www.epeat.net for current registry

Participating Manufacturers

- Acer
- Apple
- Arquimedes Automatacao
- AsusTek
- CIARA-TECH
- Corporativo Lanix
- CTL
- Dell
- EIZO NANA0
- Fujitsu
- Gammatech
- General Dynamics Itronix
- GETAC
- Hewlett Packard
- Howard Technology Solutions
- Hyundai IT America
- Lenovo
- LG Electronics
- M&A Technology
- MDG Computers
- NCS Technologies
- NEC Display Solutions
- Northern Micro
- Panasonic
- Philips Electronics
- Positivo Informatica
- Samsung
- Sony Electronics
- Toshiba
- TPV
- Transource
- Viewsonic

As of May 2009, see www.epeat.net/Companies.aspx for current list

EPEAT Product Verification

- Product declaration with verification
- Manufacturers/Brand Owners:
 - Sign legal agreement to participate
 - Register products as meeting specific criteria
 - Must have specific verification evidence for all criteria
- Products routinely verified:
 - Random timing, no advance notice
 - Conformance decided by independent panel
 - Results published, total transparency

For more information and Verification Round Reports, see www.epeat.net/ProductVerification.aspx



2007 EPEAT Environmental Benefits

109+ million EPEAT qualified products sold worldwide

REDUCTIONS over conventional products	EQUIVALENT
3.4 million metric tons carbon equivalent GHG emissions	Removing 2.7 million U.S. cars from the road for a year.
3,440 metric tons toxic materials, including mercury	Weight of 1.7 million bricks Mercury in 488,266 fever thermometers
131,000 metric tons hazardous waste	Weight of 65 million bricks
43.3 billion kWh of electricity	Consumption of 3.8 million U.S. homes/ 1 year
77.4 million metric tons primary materials	Weight of 600 million refrigerators

For more information, see www.epeat.net/FastBenefits.aspx

Ways for Small Businesses to Participate

- All small businesses can buy EPEAT registered products
- Brand Owners (“manufacturers” / “integrators”) can register their branded products in EPEAT
 - Responsible for proving that their products meet the standard, must support EPEAT technical verification
 - Sign legal contract with EPEAT
 - Pay annual fee to EPEAT
- Resellers can sell products that a “brand owner” has registered in EPEAT
 - Sign simple agreement with EPEAT
 - Minimal cost
 - Recognized on web site, in marketing of EPEAT program
 - Identify EPEAT registered products in catalogs

For more information, please see www.epeat.net/smallbusiness.aspx



EPEAT Partners

30 Active Partner Resellers, including:



3 Active Partner Distributors:



Purchasing Champions include:



Partner Services: Data Feed

- EPEAT provides partners the ability to download an up to date 'snapshot' of the EPEAT registry to help identify EPEAT registered products
- Commercial data publishers provide an automated data feed to identify EPEAT registered products
- EPEAT Partner Distributors provide EPEAT product ID access to their channel partners
- EPEAT registered products identified via product specs or EPEAT logos in thousands of on-line retailers and shopping engines

EPEAT Expansion

- New Product Standards (through IEEE)
 - Process is open to all interested parties
 - Imaging equipment (underway)
 - TVs (underway)
 - Update of Computer and Monitor Standard (begin fall 2009)
 - Servers (expected to start development 2010)
 - Mobile devices – cell phones, PDAs
- Internationalization – Country-specific registry for 40 countries available in late July
- Increasing Public Visibility – Rebranding for consumer market, increased retailer partnerships

Contact

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www.epeat.net/smallbusiness.aspx