



# Imaging Equipment: New Purchasing Standard & SEC Program Requirements

Partner Only Webinar  
September 20, 2012



# New Environmental Performance Standard for Imaging Equipment

- IEEE Standard 1680.2 for the Environmental Assessment of Imaging Equipment
  - Covers printers, copiers, multifunction devices (MFDs)
  - To be published October 2012
  - 3+ year multi-stakeholder process
- EPEAT<sup>®</sup> Registry launch January 2013
  - Similar to computer registry
  - Searchable by product type, manufacturer, criteria at [www.epeat.net](http://www.epeat.net)



# Environmental Performance – What's Similar to Computer Specs

- Required & optional criteria
  - 59 Total: 33 required, 26 optional
- Bronze, silver & gold ratings
  - Bronze – meets all required criteria
  - Silver – meets all required + 50% optional criteria
  - Gold – meets all required + 75% optional criteria
- EPEAT verifies conformance



# Environmental Performance – What’s Similar to Computer Specs

Required	Optional
<ul style="list-style-type: none"><li>• EU RoHS compliance restricting lead, mercury, cadmium, hexavalent chromium</li><li>• ENERGY STAR</li><li>• Manufacturer take back</li><li>• Design for recycling</li><li>• Recycled content packaging &amp; no heavy metals</li></ul>	<ul style="list-style-type: none"><li>• Mercury-free light sources (e.g., LED)</li><li>• 5-25% postconsumer recycled content</li><li>• 5-25% biobased material</li><li>• Recyclable/compostable packaging</li><li>• Upgradeable &amp; spare parts available</li></ul>



# Environmental Performance – What's New for Imaging Equipment

- Required Criteria
  - Postconsumer recycled content in every unit
  - No brominated/chlorinated flame retardants or PVC in external housing
  - Eliminate chlorine to bleach packaging
  - Unit does not prevent use of recycled content paper & non-manufacturer ink/toner cartridges
  - Cartridges can't be designed to prevent reuse
  - Maximum thresholds for indoor air emissions
  - Recycling using certified recyclers (E-Stewards or R2)



## Environmental Performance – What's New for Imaging Equipment

- Optional criteria
  - Reduced fluorinated greenhouse gas emissions in LCD manufacturing
  - Inventory of chemicals in product
  - Public disclosure of supply chain toxics
  - Analysis of product carbon footprint
  - Default to duplex printing

Standard available at: [http://www.techstreet.com/cgi-bin/detail?vendor\\_id=5158](http://www.techstreet.com/cgi-bin/detail?vendor_id=5158)



## SEC Program Modifications – Parallel to Computers

2013	2014
<ul style="list-style-type: none"><li>• Program requirements<ul style="list-style-type: none"><li>– Purchasing policies</li><li>– Operations</li><li>– End-of-life</li></ul></li><li>• Questions added to <i>Baseline/Annual Reporting Form</i></li></ul>	<ul style="list-style-type: none"><li>• Program requirements<ul style="list-style-type: none"><li>– EPEAT purchases</li></ul></li><li>• Benefits of imaging equipment stewardship added to sustainability reports</li></ul>
<p><a href="http://www.stateelectronicschallenge.net/requirements_checklist.html">http://www.stateelectronicschallenge.net/requirements_checklist.html</a></p>	



# Modified Program Requirements

## *Procurement*

*(in addition to computers & monitors)*

2013

- Modify procurement policies to require/give preference to EPEAT registered printers, copiers, & MFDs

2014

- Ensure 95% are EPEAT registered





# Sample Procurement Language

[Purchaser] prefers to purchase electronic products that have been registered as meeting the environmental performance criteria of the EPEAT system. Therefore, [Purchaser] requires that Contractor deliver or furnish for Purchaser use only imaging equipment products that have achieved Bronze registration or higher in the EPEAT system.

EPEAT is a procurement tool designed to help large volume purchasers evaluate, compare, and select electronic products based upon their environmental attributes as specified in the consensus-based IEEE 1680 Standard for Environmental Assessment of Electronic Products.

The Contractor shall be responsible for ensuring equipment meets the latest EPEAT registration requirements before it is delivered. The registration requirements and a database of all equipment meeting the requirements will be available at: [www.epeat.net](http://www.epeat.net).



## Sample Procurement Language – Require Vendor Reporting!

Suppliers are required to provide [quarterly/semiannual/annual] reporting on the number of EPEAT registered products purchased under this contract. For each piece of equipment sold, EPEAT Registration Status (i.e. Bronze, Silver, Gold or Unregistered) must be provided.

For updates see: <http://www.epeat.net/model-purchase-language/>



# Modified Program Requirements

## *Operations & Maintenance*

- Establish & promote policy for power management of printers, copiers, & MFDs
- Ensure “power down” settings are enabled
- Ensure double-sided printing features on 75% of printers, copiers, & MFDs





# Modified Program Requirements

## *End-of-Life Management*

- Add printers, copiers, & MFDs to policy/directive:
  - Reuse & donation
  - Environmentally sound management
- Track units donated for reuse, recycled, or returned to manufacturer
- Use recycler that has earned 3<sup>rd</sup> party certification:
  - R2, E-Steward, or R2/RIOS





# Additions to Reporting Form

EPEAT purchases

	Copiers	Printers	Multifunction Devices
EPEAT Registered (Bronze)	<input type="text"/>	<input type="text"/>	<input type="text"/>
EPEAT Registered (Silver)	<input type="text"/>	<input type="text"/>	<input type="text"/>
EPEAT Registered (Gold)	<input type="text"/>	<input type="text"/>	<input type="text"/>
EPEAT Registered (Rating Unknown)	<input type="text"/>	<input type="text"/>	<input type="text"/>
Not EPEAT Registered	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="checkbox"/> Don't Know	<input type="checkbox"/> Don't Know	<input type="checkbox"/> Don't Know

% power managed

2d. Estimated percentage of enabled copiers:  %  Don't Know  
 2e. Estimated percentage of enabled printers:  %  Don't Know  
 2f. Estimated percentage of enabled multifunction devices:  %  Don't Know

Number of units transferred, recycled, etc.

	Copiers	Printers	Multifunction Devices
Transferred or donated for reuse	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sent for recycling	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sent for disposal (e.g., landfill, waste-to-energy)	<input type="text"/>	<input type="text"/>	<input type="text"/>
In storage	<input type="text"/>	<input type="text"/>	<input type="text"/>
Use manufacturer take-back program or lease return	<input type="text"/>	<input type="text"/>	<input type="text"/>
	<input type="checkbox"/> None <input type="checkbox"/> Don't Know	<input type="checkbox"/> None <input type="checkbox"/> Don't Know	<input type="checkbox"/> None <input type="checkbox"/> Don't Know



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*NERC is an equal opportunity provider & employer.*

Prepared with funding from the  
Great Lakes Restoration Initiative, Samsung, Panasonic, Sims Recycling  
Solutions, the Consumer Electronics Association, Metech Recycling,  
& ISRI R2/RIOS program