

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460



OFFICE OF  
AIR AND RADIATION

August 28, 2008

Dear ENERGY STAR<sup>®</sup> Imaging Equipment Partner or Other Interested Party:

The U.S. Environmental Protection Agency (EPA) and the European Commission (EC) welcome your input on the attached Draft Final Version 1.1 ENERGY STAR Imaging Equipment specification ("Draft Final"). EPA is revisiting the ENERGY STAR specification for imaging equipment to set Tier 2 performance levels that ensure the ENERGY STAR mark continues to represent the top performers in terms of energy efficiency.

This Draft Final specification reflects stakeholders' comments received on the previous Draft 2 document (distributed on July 16, 2008), including those discussed at the August 19, 2008 Web-based stakeholder meeting. The comments on the Draft 2 specification are available on the ENERGY STAR Product Development Web site.

One of the key items discussed during the stakeholder meeting was whether EPA considered the number of manufacturers that are able to qualify models under the proposed Typical Electricity Consumption (TEC) criteria by different speed ranges. EPA re-examined the TEC data analysis to ensure that multiple manufacturers were well represented. The following are percentages of manufacturers that would be able to meet the proposed TEC criteria of the manufacturers who have products in each TEC category: 73% in TEC1; 67% in TEC2; 88% in TEC3; and 73% in TEC4. For the numbers of manufacturers that would be able to meet the proposed Operational Mode (OM) criteria, please refer to the Draft 2 Data Summary document available on the Web site.

Some revisions to the specification include:

- Further clarification on the definition of a digital front end (DFE) and updated energy-efficiency requirements on imaging equipment products sold with a DFE.
- Further clarification to the definition of the high performance ink jet marking technology by removing the term "thermal" from the definition.
- Correction of the manufacture date for imaging equipment sold with an external power supply to qualify under Version 1.1 from April 1, 2009 to July 1, 2009.
- Minor modification to the TEC1 criteria (between 40 through 82 ipm) to allow more models in this speed range to qualify.
- Increase the Sleep mode power requirement for Operational Mode (OM) products in OM1 to account for the additional scanning function of OM1 products as compared to OM8 from 14 Watts (W) to 30 W.
- Increase in the Sleep mode power requirements for OM7 products from 3.5 W to 4.3 W to account for the reduction of the secondary functional adder for scanners that use Cold Cathode Fluorescent Lamp (CCFL) technology from 2.0W to 0.5W.

More details regarding EPA's rationale for making these changes are included in the highlighted note boxes throughout the document. The highlighted note boxes in the Draft Final document will be omitted in the Final specification to be distributed on October 1, 2008.

In addition, EPA performed an initial data analysis for products tested at the 230 Volt (V) level. Based on the initial results, EPA may consider product data reporting from 230V testing for products marketed in different markets in future specification development efforts.

Below is the current timeline of the Version 1.1 ENERGY STAR Imaging Equipment specification revision process.

Step	Date
Draft Final distributed	August 28, 2008
Comments on Draft Final due	September 18, 2008
Final Specification distributed	October 1, 2008
Effective Date	July 1, 2009

As always, the exchange of ideas and information among EPA, industry, and other interested parties is critical to the success of ENERGY STAR. Manufacturers are strongly encouraged to provide written feedback on the Draft Final specification to Bijit Kundu at [bkundu@icfi.com](mailto:bkundu@icfi.com) by **September 18, 2008**.

To track EPA's progress in revising the ENERGY STAR specification for imaging equipment, visit the Product Development Web site at [www.energystar.gov/productdevelopment](http://www.energystar.gov/productdevelopment) and click on "Revisions to Existing Specifications." In an effort to keep the specification revision process as transparent as possible, all documents relating to the Version 1.1 imaging equipment specification will be available at the above site in the coming days, including: this cover memo; a summary of stakeholder comments with EPA responses; and the Draft Final Version 1.1 specification.

Thank you for taking the time to review this draft specification. Please feel free to contact me directly with any questions or concerns at (202) 343-9046 or via e-mail at [kent.christopher@epa.gov](mailto:kent.christopher@epa.gov).

Sincerely,



Christopher Kent  
ENERGY STAR Product Development