

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



OFFICE OF  
AIR AND RADIATION

February 24, 2012

Dear ENERGY STAR® Imaging Equipment Partner or Other Interested Stakeholder:

The U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE) have revised the test method as part of the ENERGY STAR imaging equipment specification revision and seek your additional comments on the enclosed draft.

The development of this final draft test method was a joint effort between EPA and DOE conducted in response to comments received after the distribution of the draft test method on November 9, 2011 and during an online meeting on December 8, 2011. This memorandum details changes that are included in the ENERGY STAR Version 2.0 Final Draft (Rev. Feb-2012) Test Method for Imaging Equipment, which incorporates stakeholder feedback received on the Version 2.0 Draft 2 (Rev. Nov-2011) test method.

- Measurement Uncertainty – Section 4.1: Increased the required uncertainty for measurements under 0.5 W to 0.02 W or better at the 95% confidence level to align with IEC 62301 Ed. 2.0.
- Time Measurement – Section 4.1: Updated the requirements to allow that time keeping devices other than a standard stopwatch may be used for testing, as long as they have a resolution of at least one second.
- Fax Machine Configuration – Section 6.2: Clarified that network capable fax machines shall be connected to a phone line as well as the network connection specified in Table 6 for testing, to ensure consistency.
- Network Connections – Section 6.1: Removed the requirement that units under test (UUT) be connected only to a local area network (LAN).
- Pre-test Initialization – Section 7.1: Clarified that only the paper sources designated to hold the paper specified for testing need to be filled and that the paper for testing should be pulled from the default paper source.
- Print Drivers – Section 7.1: Clarified that print driver settings apply whether the computer and UUT are connected directly or via a network to ensure that all testing is performed in the same manner. Also clarified which print driver settings should be recorded during testing to minimize confusion.
- Print/Fax Jobs – Section 8.1: Clarified that all print and fax jobs should be sent immediately before each job is performed in order to more accurately represent normal usage.
- TEC Testing – Section 8.2, Table 8: Removed references to Auto-off Mode in step 10 of Table 8 to minimize confusion during testing.
- OM Testing – Section 9.1: To align with IEC 62301 Ed. 2.0, extended the accumulated energy measurement and average power measurement duration from 5 to 10 minutes. Updated guidance stating how to test modes that do not last longer than 10 minutes.

- DFE Testing – Section 10: To align with IEC 62301 Ed. 2.0, extended the accumulated energy measurement and average power measurement duration from 5 to 10 minutes.

**Stakeholders are requested to provide written comments to EPA on the final draft test method by Monday, March 26, 2012.** Please send all comments and supporting information to [imagingequipment@energystar.gov](mailto:imagingequipment@energystar.gov). All documents will also be posted to the ENERGY STAR Imaging Equipment Specification Revision page for your reference. To access them, please go to [www.energystar.gov/revisedspecs](http://www.energystar.gov/revisedspecs) and click on “Imaging Equipment”.

#### **Imaging Equipment In Person Meeting to Discuss Draft 1**

As a reminder, on Wednesday, March 7, 2012, at 10:00 AM, Eastern Time, EPA will host a stakeholder meeting to present details on the revisions made in the Draft 1 Version 2.0 ENERGY STAR Imaging Equipment specification and the data analysis performed to date, as well as address stakeholder questions and concerns regarding the proposed changes. If you wish to attend this meeting, please RSVP to [imagingequipment@energystar.gov](mailto:imagingequipment@energystar.gov) no later than Monday, March 5, 2012.

The exchange of ideas and information between EPA, industry, and other interested parties is critical to the success of ENERGY STAR. To track EPA’s progress in revising the ENERGY STAR Imaging Equipment specification and to review comments, please visit the Product Development Web site at [www.energystar.gov/RevisedSpecs](http://www.energystar.gov/RevisedSpecs) and click on “Imaging Equipment.”

Thank you for your continued support of ENERGY STAR. Please contact me at (202) 343-9046 or [kent.christopher@epa.gov](mailto:kent.christopher@epa.gov) with any questions or comments regarding this specification revision.

Sincerely,



Christopher Kent, EPA Product Manager  
ENERGY STAR Product Specification Development