

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



OFFICE OF
AIR AND RADIATION

September 15, 2008

Dear ENERGY STAR[®] Computer Partner or Other Industry Stakeholder:

The U.S. Environmental Protection Agency (EPA) and the EC (European Commission) welcome your comments on the attached **Draft 2** Version 5.0 ENERGY STAR computer specification. This V5.0 specification will replace the current Version 4.0 specification once final. The proposed effective date for this specification is July 2009.

EPA would like to thank all stakeholders who shared comments leading up to the creation of this document as well as those who submitted product data in to support the development of the levels included in this document. This information was carefully reviewed and considered while developing this Draft 2 document.

Draft 2 incorporates the following key elements. Note boxes are included throughout the draft specification to clarify EPA's reasoning for proposing the reflected changes:

- Typical Electricity Consumption (TEC) framework and proposed values for Desktop, Integrated Desktop, Notebook, and Tablet Computers. Levels are based on analysis of stakeholder submitted data. The TEC framework makes use of usage pattern weighting based on EPA's peer reviewed savings estimates for the ENERGY STAR program, developed and maintained by Lawrence Berkeley National Lab, and recently completed industry study capturing millions of computers.
- Framework for Workstation requirements based on the SPEC Benchmark tool; call for additional SPEC data; and a description of the alternative approach of reducing 4.0 levels by 25% should additional data not be received by September 22;
- Game console requirements, with emphasis on modal power allowances for Off and Sleep/Auto-Off modes;
- Small-Scale Server levels maintained from the Version 4.0 Specification. Recent limited product qualifications under the 4.0 Desktop-Derived category and a limited dataset supported maintenance of established levels;
- Revised levels for thin clients based on a draft proposal released in August and subsequent stakeholder comment;
- Requirements in Appendix A covering the ENERGY STAR Verification Testing Program for Computers. Attached with this message is the guidelines and procedures manual for this program; comments on this draft are due October 2, 2008 and may be forwarded to Kathleen Vokes, EPA, at kathleen.vokes@epa.gov.

Stakeholders are encouraged to review Draft 2 and provide written comments to Katharine Kaplan, US EPA, at kaplan.katharine@epa.gov and Evan Haines, ICF International, at ehaines@icfi.com by **September 26, 2008**. *Comments received prior to this date will be appreciated and aid EPA in solidifying discussion topics at the planned September 26 stakeholder meeting in Washington, DC.* All comments received will be posted to the ENERGY STAR Product Development Web site, unless the submitter specifically requests that their comments remain confidential.

Additional details on the September 26 meeting, will be distributed to Stakeholders in the coming week.

This Draft 2 Specification can be found on the ENERGY STAR Computer revision website at http://www.energystar.gov/index.cfm?c=revisions.computer_spec along with other materials from the specification development process.

Thank you for your participation. I look forward to your valuable feedback on the Draft 2 specification and further discussion of the attached **Draft 2** Version 5.0 ENERGY STAR computer specification during in this month's stakeholder meeting. I welcome you to contact me with any questions or concerns at (202) 343-9120 or the above email address.

Best Regards,

A handwritten signature in cursive script that reads "Katharine Kaplan".

Katharine Kaplan, U.S. EPA
ENERGY STAR for Office Equipment

Attachment:

- Draft 2 Version 5.0 ENERGY STAR Computer Specification;
- Masked Dataset;
- Notes on Draft 2 Dataset; and
- Computer Verification Testing Guidelines and Procedures Manual V1.0