

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



OFFICE OF  
AIR AND RADIATION

July 27, 2016,

Dear ENERGY STAR<sup>®</sup> Computer Server Partner or Other Interested Stakeholder,

The U.S. Environmental Protection Agency (EPA) welcomes your input on the Draft 1 Version 3.0 ENERGY STAR specification for Computer Servers. EPA has reviewed and considered all stakeholder feedback gathered during the two previous "offseason" server stakeholder meetings. The deadline to provide comments on this Draft 1 specification is **August 26, 2016**.

The primary goals of this Draft 1 specification and supporting documents are to: 1) establish revised Idle State power requirements and expand their scope to additional server types; 2) determine more aggressive power supply efficiency requirements; and 3) gather feedback regarding the approach for Active State power metrics and requirements to be developed for Draft 2. EPA will work in cooperation with the European Commission throughout the revision process.

The following are some of the key elements of this Draft 1 specification:

- **Section 3.2:** EPA proposes more stringent power supply efficiency requirements at 83%/90%/94% and 91% for single output and 90%/92% 89% for multi-output power supplies, 80 Plus platinum equivalent.
- **Section 3.5:** EPA states its intention to add Active State requirements to this specification and to propose metrics and efficiency requirements in Draft 2. EPA also requests stakeholder feedback on points key to adding this new metric.
- **Section 3.6:** EPA proposes Idle State efficiency requirements for all one and two socket servers, including blade, multi-node, and resilient categories where applicable. In addition to new base allowances, the adder allowances in Table 5 have also been revised to reflect recent technology improvements.
- **Section 3.10:** EPA proposes lowering the Auxiliary Processing Accelerator (APA) maximum idle state power requirement from 46 watts per APA to 30 watts per APA to reflect recent efficiency improvements in the GPU market.

More details regarding EPA's rationale for making the changes listed above are included in note boxes throughout the specification. EPA is continuing to collaborate closely with stakeholders on how to aggregate SERT worklet scores across all product types on the market to allow fair comparison of servers' Active State performance, and intends to release a proposed approach on Active State efficiency criteria in Draft 2.

Stakeholders are requested to provide comments on the Draft 1 specification **no later than August 26, 2016**. Please send comments via e-mail to [servers@energystar.gov](mailto:servers@energystar.gov). All comments received will be posted to the ENERGY STAR Product Development website, unless the submitter specifically requests that his or her comments remain confidential.

**On August 12, from 12-2pm U.S. Eastern Time**, EPA will host a stakeholder webinar to present details on Draft 1 Version 3.0 ENERGY STAR Computer Server specification and address stakeholder questions and concerns. If you wish to attend this webinar, please register prior to the webinar by clicking [here](#).

The exchange of ideas and information between EPA, industry, and other interested parties is critical to the success of ENERGY STAR. Specifications and meeting materials will be posted on the ENERGY STAR website. To track EPA's progress with the revision of this specification, please visit the product development website at [www.energystar.gov/revisedspecs](http://www.energystar.gov/revisedspecs) and navigate to "Computer Servers."

Please contact me at [Hanson.Steven@epa.gov](mailto:Hanson.Steven@epa.gov) or 202-343-9836 or John Clinger at [John.Clinger@icfi.com](mailto:John.Clinger@icfi.com) or 215-967-9407 with questions or concerns. For any other computer server related questions, please contact [servers@energystar.gov](mailto:servers@energystar.gov). Thank you for your continued support of the ENERGY STAR program.

Sincerely,

A handwritten signature in cursive script that reads "Steven Hanson".

Steven Hanson  
Manager, ENERGY STAR for Data Center Products