

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



OFFICE OF
AIR AND RADIATION

March 17, 2016,

Dear ENERGY STAR[®] Computer Server Partner or Other Interested Stakeholder,

With this letter, the U.S. Environmental Protection Agency (EPA) is launching a revision of the ENERGY STAR Computer Servers specification. This letter highlights an initial list of priority areas and next steps in the revision process. EPA looks forward to working with stakeholders to develop the Version 3.0 specification which will account for advances in technology and raise the bar on energy efficiency requirements for servers.

EPA intends to take the following steps in the Version 3.0 revision:

- Set Active State energy efficiency requirements
- Increase power supply efficiency requirements
- Evaluate treatment of Auxiliary Processing Accelerators (APA), Field Programmable Gate Arrays (FPGAs), and other complimentary computing options found in computer servers
- Revise existing Idle State requirements
- Potentially increase scope as the Server Efficiency Rating Tool (SERT) allows, including Dc-Dc servers

Since the Version 2.0 specification took effect on December 16, 2013, EPA and stakeholders have held two “off-season” meetings to review available Standard Performance Evaluation Corporation (SPEC) SERT data. EPA is collaborating closely with stakeholders to on how to aggregate SERT worklet scores across all product types on the market to allow fair comparison of servers’ Active State performance.

EPA welcomes stakeholder suggestions on any other issues to be considered during the Version 3.0 specification revision process. EPA is pleased to be collaborating with the European Commission on this specification development.

Data Assembly of Non-certified Product Energy and Performance Data

To assist EPA in determining ENERGY STAR power and performance metrics, manufacturers are invited to submit product information on non-certified computer server models using the data template posted with this letter. A robust data set of both certified and non-certified product data will ensure that revised Idle State and new Active State levels are reflective of the today’s market. If you wish to submit non-certified product data, please send completed data forms to servers@energystar.gov by **April 22, 2016**. EPA anticipates releasing a Draft 1 Version 3.0 specification in Q2 2016.

Specifications and meeting materials will be distributed via email and 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 and navigate to “Computer Servers.”

Please contact me at Hanson.Steven@epa.gov or 202-343-9836 or John Clinger at John.Clinger@icfi.com or 215-967-9407 with questions or concerns. For any other computer server related questions, please contact 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