

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



OFFICE OF
AIR AND RADIATION

April 8, 2015,

Dear ENERGY STAR[®] Computer Server Partner, Certification Body, or Recognized Laboratory,

The U.S. Environmental Protection Agency (EPA) has been made aware of an update to the Standard Performance Evaluation Corporation (SPEC) Server Efficiency Rating Tool (SERT). For the purposes of ENERGY STAR certification, computer servers should be tested using SERT Version 1.1.0 moving forward.

The Version 1.1.0 is a significant update, with the following changes:

- Support for Oracle Solaris 11 running on SPARC64 and SPARC T4 as well as Intel x86 architecture.
- Enhanced user-interface to simplify multi-node testing
- Automated range setting support has been added
- Adjustment of the memory worklet scoring algorithm (new Flood2 and Capacity2 worklet scores)
- Automated determination of correct current and voltage ranges.
- Full GUI support for multi-node (multi-server) and multi-power-analyzer configurations.
- More extensive warning messages to help ensure compliant testing results.
- Reduced measurement time for systems with high core/thread counts.
- Updated version of the SPEC PTDaemon

The Computer Servers Version 2.0 XML-based web service has been updated to allow the new SERT Version 1.1.0 to support the ENERGY STAR specification. Previously certified systems have had a formula applied to adjust the way the worklet values for the Flood and Capacity appear on the list of certified products so that the results tested with Version 1.0.X correlate with results tested using Version 1.1.0. Products certified from this point forward will need to include information on the version of SERT used for testing, and whether the system supports 64-bit architecture, so that EPA can ensure the proper results are displayed on the list of certified products.

For any questions about the web service update, please contact certification@energystar.gov. 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, reading "Katharine Kaplan".

Katharine Kaplan
U.S. Environmental Protection Agency
Manager, ENERGY STAR Product Development and Program Admin