



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

OFFICE OF
AIR AND RADIATION

May 4, 2011

Dear Uninterruptible Power Supply Equipment Manufacturers and Other Interested Parties:

The U.S. Environmental Protection Agency (EPA) welcomes your input on the first Draft ENERGY STAR® specification for uninterruptible power supplies (UPSs). The UPS specification development process was launched in October 2010 and has involved several stakeholder meetings, the development of a draft test procedure, and a great deal of assistance from manufacturers in helping EPA understand the UPS market and finding data with which to set efficiency levels. There is a clear demand for greater energy efficiency in both residential and commercial IT applications and EPA has identified UPS products as a source of significant savings.

The eligibility criteria depicted in this draft are based on data obtained during the data assembly process held over this past winter. EPA assembled test results for a total of 325 units, which EPA believes are reflective of the US UPS market, following review of market studies and discussions with stakeholders. Subsequent analysis of these data revealed a significant energy savings potential from labeling top performing UPSs in each output power and input dependence category using the qualification criteria in the attached specification.

The Draft 1 ENERGY STAR specification for Uninterruptible Power Supplies addresses and includes the following:

- Qualification criteria for UPSs based on output power and input dependence (i.e., VFI, VI, or VFD).
- Similar qualification criteria for both smaller UPSs, typically used in consumer and small business settings, and larger UPS, mostly used in data center environments.
- Loading profile based on current data center trends.
- EPA's interest in developing a Power and Performance Data Sheet (PPDS) for UPSs.
- Testing methods based on IEC 62040-3¹.

EPA will host an in person **meeting in Washington, DC, on Thursday, May 12, 2011**, from 9 AM to 3:00 PM, Eastern Time to discuss this draft specification. To participate in the meeting, either virtually or in person, stakeholders must register no later than Thursday, May 5, 2011. Please RSVP by emailing ups@energystar.gov with the subject "RSVP – ES UPS May 12 meeting." EPA will provide opportunities for brief stakeholder presentations at various points in the meeting; if interested, please indicate a proposed topic in your RSVP email.

¹ International Electrotechnical Commission (IEC). IEC standard 62040-3. "Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements." Ed. 2.0

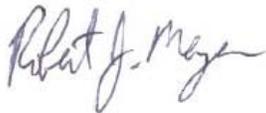
Lastly, EPA also **welcomes written comments** on the Draft 1 specification and ENERGY STAR test method **until Friday, May 27, 2011**. Please submit written comments at any time during that period by sending them to ups@energystar.gov.

On behalf of EPA, I would like to thank all stakeholders who provided feedback in response to the Draft 1 Test Method and who participated in the data assembly process. All of the feedback received aided the development of this draft specification, and EPA looks forward to further conversations with stakeholders throughout the development process. EPA would also like to thank the European Commission for participating in the ENERGY STAR® UPS draft specification development process.

The exchange of ideas and information between EPA, product manufacturers, and other interested parties is critical to our success. We hope you will continue to actively participate in the ENERGY STAR specification development process. If you know of others who may be interested in participating in this process, please forward this announcement and encourage them to send their contact information to UPS@energystar.gov to be added to the stakeholder contact list.

Please direct any specific questions to RJ Meyers, EPA, at Meyers.Robert@epamail.epa.gov or 202-343-9923, or Matt Malinowski, ICF International, at MMalinowski@icfi.com or 202-862-2693. We look forward to working with you and thank you for your interest in ENERGY STAR.

Sincerely,

A handwritten signature in cursive script, appearing to read "Robert J. Meyers".

RJ Meyers
U.S. Environmental Protection Agency
ENERGY STAR for UPS