

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



OFFICE OF
AIR AND RADIATION

December 18, 2003

Re: International Support of One Efficiency Test Procedure for External Power Supplies

Dear Power Supply Manufacturers, ENERGY STAR[®] Partners, and Other Interested Parties:

Numerous governmental organizations across the globe are investigating and/or developing strategies to encourage the manufacture, use, and purchase of energy-efficient power supplies. In recognition of these shared interests, international organizations representing five countries are collaborating with the U.S. Environmental Protection Agency (EPA) to support the development of one internationally-recognized *test procedure* for determining the energy efficiency of single voltage external AC/DC power supplies. We believe this approach is mutually beneficial for government and industry because it ensures comparability of efficiency claims and specifications worldwide and minimizes manufacturers' cost of compliance/participation for this globally manufactured and marketed product category.

With billions of units in use worldwide, power supplies represent a major opportunity for reducing energy consumption across the globe. While policy measures within each country may vary to reflect local interests and concerns, we believe that all stakeholders are best served through the development and implementation of one global test procedure and hence one global data set for evaluating and setting efficiency levels.

Together, we strongly encourage power supply and product designers and manufacturers to comment on the latest draft of the test procedure (enclosed), which addresses *active mode*, as well as standby mode efficiency. Interested parties have through **January 16, 2004** to submit their comments as well as any additional measured data for review via e-mail to fanara.andrew@epa.gov. Please note that the January 16 deadline is firm; the test procedure will be finalized before the end of January.

The proposed procedure references and builds upon standby mode test procedures already in development through the International Electrotechnical Commission (IEC), Institute of Electrical and Electronics Engineers (IEEE), and other organizations, but supplements them where necessary to consistently and precisely cover active mode. It was first posted for comment in the summer of 2003 and has undergone multiple revisions in response to helpful input from a variety of international stakeholders. The revised test procedure was presented at a Technical Workshop cosponsored by EPA, the Natural Resources Defense Council, the California Energy Commission, and Pacific Gas & Electric in San Francisco, California on November 7. It has since been further revised to incorporate stakeholder comments from many of the nearly 40

workshop attendees representing manufacturers, industry associations, government agencies, and research groups. It also has been presented for comment in forums in Europe and China. Finally, hundreds of external power supplies have been measured according to this test procedure in the United States, Asia, and Europe.

As always, your involvement in this power supply effort and other energy efficiency initiatives is appreciated and vital to a successful process. If you have any questions, please contact Andrew Fanara (US EPA) via email at fanara.andrew@epa.gov or by telephone at 1-202-343-9019. Thank you.

Best regards,

A handwritten signature in black ink, appearing to read 'Andrew Fanara', with a long horizontal stroke extending to the right.

Andrew Fanara, US EPA
ENERGY STAR Specification Development

Enclosures:

- (1) Initial Supporters of an Internationally Accepted Efficiency Test Procedure for Single-Voltage External AC/DC Power Supplies
- (2) Proposed Test Method for Calculating the Energy Efficiency of Single-Voltage External AC/DC Power Supplies (dated December 15, 2003)
- (3) Sample External Power Supply Efficiency Test Report (Annex A)

**INITIAL SUPPORTERS OF AN
INTERNATIONALLY ACCEPTED EFFICIENCY TEST PROCEDURE FOR
SINGLE-VOLTAGE EXTERNAL AC/DC POWER SUPPLIES**

We, the undersigned, on this 18th day of December, 2003, indicate our support of the principles outlined in the attached US EPA letter “International Support of One Efficiency Test Procedure for External Power Supplies.”



Andrew Fanara
ENERGY STAR Specification Development Manager
US Environmental Protection Agency



Arthur H. Rosenfeld, Ph.D.
Commissioner, California Energy Commission



Australian Government
Australian Greenhouse Office

Dr. Tony Marker, Chair
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Mr. Tienan Li, Director
China Certification Center for Energy Conservation Products