



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

OFFICE OF
AIR AND RADIATION

June 29, 2007

Dear ENERGY STAR® TV Partner or Other Interested Stakeholder:

The U.S. Environmental Protection Agency (EPA) welcomes your input on the following Draft 1 Version 3.0 ENERGY STAR TV products specification. This document outlines the proposed new energy-efficiency requirements that TV products would need to meet in order to earn the ENERGY STAR. It is intended that once final, this document will replace the current Version 2.2 specification. The proposed effective date for this specification is September 1, 2008.

On behalf of EPA, I would like to thank all stakeholders who have provided feedback and data in response to the TV Update Document (distributed on January 3, 2007) and the revised Draft of IEC 62087, Ed 2.0: Methods of Measurement for the Power Consumption of Audio, Video and Related Equipment (distributed on April 2, 2007) that EPA previously circulated. The feedback and data received have helped to create the foundation for this Draft specification.

The Draft 1 Version 3.0 specification includes the following key elements:

- An electronic labeling option for manufacturers, as an alternative to the requirement to place a physical label on the top/front of the product, if manufacturers chose to use it.
- Proposed On Mode requirements that are based on a metric of watts per screen area, based on the straight-line equation: $Y = 0.245X + 11$. Y is the average On Mode power consumption in watts and rounded to the nearest whole number; X is the screen area of the product in square inches, found by multiplying the display width by the display height.
- Proposed requirements for an additional operational mode, Download Acquisition Mode (DAM), to account for the energy consumed by a TV when downloading channel listing information according to a defined schedule for use by the EPG or otherwise to communicating with a connected device through a network protocol.
- A Standby Mode requirement of one watt, that is identical to the requirement in the current Version 2.2 TV products specification.
- A proposed duty cycle for estimating the annual energy consumption of an ENERGY STAR qualified TV.
- A User Information Requirement whereby manufacturers will have to include information on ENERGY STAR and the benefits of keeping the TV at its factory default settings that meet ENERGY STAR criteria in either a hard copy or electronic copy of the user manual or on a box insert.
- Reference to IEC 62301 for direction on testing of TVs to determine power consumption in Standby Mode and DAM and the most current Draft of IEC 62087, Ed 2.0 for On Mode testing.

A masked version of the data-set used by EPA to determine the proposed energy-efficiency requirements in this Draft 1 Version 3.0 TV products specification is included as an attachment to this memorandum. Stakeholders are requested to **provide comments on the Draft 1 specification no later than July 27, 2007. Please send comments via e-mail to Mehernaz Polad, ICF International, at mpolad@icfi.com. On July 19, 2007, EPA will host a stakeholder meeting in Washington, DC to discuss this Draft 1 specification.** Please relay your intention to participate in this meeting to Mehernaz Polad. (More information on meeting location and a Draft agenda will be forthcoming shortly.) Comments received prior to the meeting would be greatly appreciated and will allow for a more meaningful conversation about this Draft 1 specification when we meet on July 19, 2007. All comments received will be posted to the ENERGY STAR Product Development Web site, unless the submitter specifically requests that their comments remain confidential.

The exchange of ideas and information between EPA, industry, and other interested parties is critical to the success of ENERGY STAR. To track EPA's progress in revising the ENERGY STAR TV products specification and to review comments, please visit the Product Development Web site at www.energystar.gov/productdevelopment and click on "Revisions to Existing Specifications."

Thank you for taking the time to review this Draft specification. Please feel free to contact me directly with any questions or concerns at (202) 343-9120 or via e-mail at kaplan.katharine@epa.gov.

Best Regards,

A handwritten signature in cursive script that reads "Katharine Kaplan".

Katharine Kaplan, EPA Product Manager
ENERGY STAR for Consumer Electronics

Enclosures:

Draft 1 Version 3.0 ENERGY STAR TV Products Specification

Masked Data-set Used to Determine Proposed Draft 1 Energy-Efficiency Requirements