

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



OFFICE OF
AIR AND RADIATION

December 17, 2007

Dear ENERGY STAR® TV Stakeholder:

The U.S. Environmental Protection Agency (EPA) is pleased to forward the Draft Final Version 3.0 ENERGY STAR TV products specification for your review. On behalf of EPA, I would like to thank stakeholders for reviewing and providing comments on the Draft 2 Version 3.0 ENERGY STAR TV products specification, distributed in September 2007, and subsequent proposals distributed in November, 2007. All stakeholder comments submitted to EPA on the previous Draft 2 version and subsequent proposals were reviewed and taken into consideration while preparing this Draft Final document. These comments, with EPA responses, are summarized as an attachment to this letter.

Provided below is a list of the key changes reflected in the attached Draft Final TV products specification. Note boxes are included throughout the draft specification to clarify EPA's reasoning for making the reflected changes. In summary, EPA has:

- Modified the definition of a TV monitor to align what EPA considers to be a computer input port with the FCC's Class B Computer Peripheral requirements.
- Modified the definition for Download Acquisition Mode (DAM) to clarify that a TV does not necessarily need to be connected to a device or have EPG functionality to be in DAM.
- Removed DAM requirements under Tier 1 of the Version 3.0 TV products specification, along with instructions on how to test TVs under DAM, and deferred development and implementation of DAM requirements to Tier 2.
- Edited the description of Qualifying Products to clarify that to qualify as ENERGY STAR, products must not exceed power consumption of 1 watt in Standby. TVs that do not have a mode meeting the definition of Standby (e.g., Public Alert CEA2009A certified models which offer 24/7/365 active features to alert users, and therefore exceed the required Standby level) are not able to qualify for ENERGY STAR.
- Revised levels for the On Mode requirements for high definition (HD) and full high definition (FHD) TVs, while the levels for non-high definition TVs remain the same as proposed in the November proposal. The requirements for TVs with a native vertical resolution of 768 (HD) and 1080 (FHD) were combined, so now a single set of levels covers both HD and FHD products. Charts showing the proposed Draft Final Energy-Efficiency Requirements, and the associated qualification rates, are attached.
- Modified the screen size delineations used in the On Mode Power Requirements slightly from greater than 650 in² and 1,000 in² to greater than or equal to 680 in² and 1,068 in² respectfully. Doing so will help ensure that all products are evaluated under the correct criteria and will help ensure that the qualification rates are reasonably balanced across all screen sizes.
- Modified the weighted equation for determining power consumption of products with Automatic Brightness Control enabled as the default, so it is assumed that the TV is being viewed in low ambient light conditions 45% of the time.
- Aligned all references to specific sections of the revised Draft of IEC 62087, Ed. 2.0 with the latest version of that document, which is currently in the committee draft stage.
- Provided clarifications on the use of "home" and "retail" in the forced menu option where the customer must select a mode in which the product will operate upon initially starting the TV. Further, EPA has clarified that an additional prompt confirming the choice of "retail" only has to appear the very first time that mode is selected, and may be substituted with information on the start-up menu explaining "home" is the mode that meets ENERGY STAR requirements.

- Delayed the effective date for Tier 1 to November 1, 2008, to allow manufacturers a full nine months after finalizing the specification. The effective date for Tier 2 remains as proposed in Draft 2, September 1, 2010.

A masked version of the data set used by EPA to determine the proposed energy efficiency requirements in this Draft Final Version 3.0 TV products specification is included as an attachment to this letter. Stakeholders are requested to **provide comments on the Draft Final specification no later than January 18, 2008. Please send comments via e-mail to Mehernaz Polad, ICF International, at mpolad@icfi.com.** EPA intends to distribute the Final Version 3.0 ENERGY STAR TV products specification to stakeholders on February 4, 2008.

Additionally, ENERGY STAR representatives will be attending the 2008 Consumer Electronics Show® (CES) in Las Vegas, NV on Tuesday, January 8, 2008 and Wednesday, January 9, 2008 and would welcome the opportunity to meet with TV stakeholders during this time. Please contact Mehernaz Polad no later than Noon on Friday, January 4, 2008 if you would like to schedule a meeting with ENERGY STAR representatives while at CES.

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 Final 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 and Happy Holidays,



Katharine Kaplan, EPA Product Manager
ENERGY STAR for Consumer Electronics

Enclosures:

Draft Final Version 3.0 ENERGY STAR TV Products Specification
Masked Data Set Used to Determine Proposed Draft Final Energy-Efficiency Requirements
Charts Showing Proposed Draft Final Energy-Efficiency Requirements
Summary of Comments on the Draft 2 Version 3.0 ENERGY STAR TV Products Specification and Subsequent Proposals with EPA Responses