



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

OFFICE OF  
AIR AND RADIATION

September 24, 2007

Dear ENERGY STAR® TV Stakeholder:

The U.S. Environmental Protection Agency (EPA) is pleased to forward the Draft 2 Version 3.0 ENERGY STAR TV products specification your review. On behalf of EPA, I would like to thank stakeholders for reviewing and providing comments on the Draft 1 Version 3.0 ENERGY STAR TV products specification, distributed on June 29, 2007. All stakeholder comments submitted to EPA on the previous Draft 1 version were reviewed and taken into consideration while preparing this Draft 2 document. These comments with EPA responses are included as an attachment to this letter.

Provided below is a list of the key changes reflected in the attached Draft 2 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 under this Draft 2 document to be broadly consistent with the definition provided in the Version 2.2 specification, with the addition of Display Power Management Signaling for those products that are also sold with computer input ports.
- Merged the definition of various types of TV Combination Units, e.g., TV /VCR, TV/DVD, etc, into one TV Combination Units definition, for simplicity.
- Refined the Standby Level definition to be more consistent with IEC 62301, with some TV-specific clarifications.
- Revised levels for On Mode requirements, and developed separate specification lines based on TV resolution.
- Introduced a Tier 2 for TV products with a proposed effective date of September 1, 2010, with On Mode and Download Acquisition Mode (DAM) levels TBD.
- Provided a weighted equation to determine the On Mode power consumption of TVs with Automatic Brightness Control enabled at default, when shipped, based on testing at average and low level ambient light conditions.
- Revised both the maximum power consumption allowed under DAM and the time that TVs may spend in this mode, to reflect a maximum time-period within a 24-hour period.
- Clarified that testing of TVs should be conducted without a POD module installed, if available.
- Removed language previously included under Draft 1, requesting that stakeholders also test their TVs using the Internet content video signal.
- Specified that Section 11.3.6 of *Draft* IEC 62087 should be followed by manufacturers if picture level adjustments are required prior to testing their TVs and proposed language that could consistently relay appropriate picture level settings to users across manufacturers and models.
- Provided instructions for how to test TVs with Automatic Brightness Control enabled as the default, if applicable.

A masked version of the data-set used by EPA to determine the proposed energy efficiency requirements in this Draft 2 Version 3.0 TV products specification is included as an attachment to this letter.

Stakeholders are requested to **provide comments on the Draft 2 specification no later than October 24, 2007. Please send comments via e-mail to Mehernaz Polad, ICF International, at [mpolad@icfi.com](mailto:mpolad@icfi.com). On October 18, 2007, EPA will hold a stakeholder meeting in San Diego, CA to discuss this Draft 2 specification.** The meeting will be held in conjunction with the Consumer Electronics Association's (CEA's) Technology and Standards (T&S) Forum. EPA wishes to thank CEA for incorporating this EPA meeting into their T&S Forum. Comments received prior to the meeting would be

greatly appreciated and will allow for a more meaningful conversation about this Draft 2 specification when we meet on October 18, 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.

Additional meeting details are provided below, and a Draft agenda will be forthcoming shortly. Please note: a conference line will be provided for those stakeholders who cannot attend the meeting in person.

**TV Meeting Date & Time**

Thursday, October 18, 2007 from 9:00 a.m. – 2:30 p.m. Pacific Time.

**Registration**

Stakeholders must register to attend the CEA T&S Forum and the ENERGY STAR TV meeting **no later than October 4, 2007**. Details on how to register can be found at: [http://www.ce.org/Events/event\\_info/registration.asp?eventID=TSF07](http://www.ce.org/Events/event_info/registration.asp?eventID=TSF07). While registering, please select purchase of the "Technology and Standards Only" package in the Profile step, and the "ENERGY STAR TV Stakeholder Meeting" on October 18, as well as the lunch scheduled from 12:00 to 1:30 p.m. in Step 3 of the registration process. (Please note: registration for both the T&S Forum and the ENERGY STAR meeting is free, but must be completed online **no later than October 4.**)

**Location**

Hotel Del Coronado  
1500 Orange Avenue  
Coronado, CA 92118  
Tel: 1-800-468-3533

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](http://www.energystar.gov/productdevelopment) and click on "Revisions to Existing Specifications."

Thank you for taking the time to review this Draft 2 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](mailto:kaplan.katharine@epa.gov).

Best Regards,



Katharine Kaplan, EPA Product Manager  
ENERGY STAR for Consumer Electronics

**Enclosures:**

Draft 2 Version 3.0 ENERGY STAR TV Products Specification  
Masked Dataset Used to Determine Proposed Draft 2 Energy-Efficiency Requirements  
Charts Showing Proposed Draft 2 Energy-Efficiency Requirements  
Draft 1 Version 3.0 ENERGY STAR TV Products Specification Comment Summary