

Final Draft Version 7.0 ENERGY STAR Televisions Specification Stakeholder Comment Summary and Response

| Topic | Stakeholders Comment Summary | U.S. Environmental Protection Agency Response |
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| Scope: Included Products | One stakeholder recommended that EPA add the word "or" to Section 2.1.1 "Included Products" as follows: (2) capable of being powered from a wall outlet <u>or</u> with an external power supply | EPA has included the suggested revision in the Final Specification. |
| On Screen Information Requirements | Two stakeholders expressed support for the updates to the Final Draft Sections 3.2.4 and 3.2.5 that provide flexibility with regards to required on screen information if the model has a physical label affixed to the TV. | EPA thanks the stakeholders for the support and has maintained the change in the Final Specification. |
| Luminance Requirements | Two stakeholders expressed general support for the Final Draft revision requiring that TVs with Brightest Selectable Preset Picture Setting greater than or equal to 350 cd/m ² shall have Default Picture Setting luminance of at least 228 cd/m ² . | EPA thanks the stakeholders for the support and has maintained the change in the Final Specification. |
| On Mode | Three stakeholders expressed support for the Final Draft On Mode Requirements. | EPA appreciates the comments and has maintained the On Mode requirements in the Final Specification. |
| Standby-Passive Mode | One stakeholder pointed out that in Section 3.4.1 Standby-Passive, Mode Requirements the reference to Section 7.3.3 should be to Section 7.3.2. Another stakeholder commented that the requirements for Standby-Passive Mode "seem fair and appropriate." | EPA thanks the stakeholder for the suggested edit and has incorporated the change in the Final Specification. |
| Standby-Active, Low | One stakeholder commented that they continue to believe that any TV should be able to maintain a power level of 3.0 W or less in Standby-Active, Low, regardless of whether features such as Quick Start are enabled by default, selected during the initial set up, or activated at a later time. Another stakeholder commented that the requirements for Standby-Active, Low mode "seem fair and appropriate". | EPA has maintained the 3.0 W requirement for Standby-Active, Low as tested per the referenced Federal Test Procedure. EPA notes that Version 7.0 data template collects features present in certified TVs and whether they are enabled in each mode. EPA will review these data during the Version 8.0 specification development process to better understand the prevalence of and technological evolution of features such as Quick Start. |
| Standby-Active, High | One stakeholder expressed concerns with the frequency and duration that a TV is in Standby-Active, High mode since EPA continues only to require that the TV return to Standby-Active, Low within 15 minutes of completing downloads. Thus, the stakeholder urged EPA to investigate the energy consumption associated with these features, through required reporting in the QPX Template, in preparation for the next specification revision. | EPA will continue to investigate the energy consumption associated with Standby-Active, High mode. From its initial review, several manufacturers indicate that data transfer and other functions of this mode do not occur frequently when content is not being displayed on the TV. Nevertheless given that these features are relatively new to TVs, EPA understands the need to continue monitoring the market as it evolves. EPA will prioritize the consideration of these features under the Version 8.0 specification development process. |
| Quick Start | One stakeholder stated that rather than adopt its initial proposal to require reporting of Quick Start feature including power use and reboot time, EPA has proposed not to add any additional requirements regarding Quick Start that is not part of the TV's initial set up. The stakeholder expressed understanding that EPA's decision was guided in part by their desire to minimize manufacturer reporting and testing burden. As a compromise, the stakeholder strongly recommended EPA simply add a mandatory Y/N field to its reporting template for manufacturers to identify whether or not their model includes a post set up Quick Start option. The stakeholder emphasized that the reporting requirement is similar to reporting other already reported features like gesture and voice recognition and that the information gathered will help inform the Version 8.0 revision. | EPA notes that there is a field in the Version 7.0 data collection template called "Features" for which the EPA-recognized certification body (CB) is to report functions including Quick Start which are present in the TV. There are then 3 additional fields for Standby-Passive; Standby-Active, Low; and Standby-Active, High modes where the CB reports which of the present functions are enabled. In combination, these fields indicate which features are enabled as-shipped and which may be later enabled by the user. EPA anticipates reviewing these data under the Version 8.0 specification development process and requesting additional data as needed. |
| High Resolution Allowance Expiration Date | One stakeholder expressed support for the removal of the High Resolution Allowance expiration date in the Final Draft specification. In contrast, three stakeholders expressed concern that removal of an expiration date may "negatively impact the leadership value and integrity of the ENERGY STAR label and brand" should significant quantities of relatively less efficient UHD TVs meet the requirements during the Version 7.0 effective time frame. These stakeholders urged EPA to include an expiration date for the High Resolution Allowance of at least December 31, 2016. | EPA has kept an expiration date for the High Resolution Allowance out of the Final Specification. Doing so eliminates an arbitrary cut off within the specification's time frame and provides EPA greater flexibility in assessing when to revise the specification and determine the extent to which an allowance is necessary to reflect the top performing products with ultra-high resolution. EPA will monitor the UHD adder and adjust as needed, either prompting a Version 8 revision or take the performance of UHD TVs into account during Version 8. |
| High Resolution Allowance | One stakeholder expressed support for a decrease in the High Resolution Allowance from 55% to 50% given the On Mode Power Requirement adjustments in the Final Draft. Another stakeholder stated that while a higher allowance would be preferable, the 50% allowance is justified by the data. | EPA thanks the stakeholders for the comments and has maintained the Final Draft High Resolution Allowance proposal in the Final Specification. Based on the EPA dataset, the proposed High Resolution Allowance achieves a similar ultra-high definition pass rate as that for high definition TVs. Based on how rapidly the television market evolves, EPA continues to anticipate an increased selection of ENERGY STAR certified UHD models by the time the specification takes effect in late 2015 as technology and designs are further optimized. |
| Specification Effective Date | One stakeholder commended EPA's timely development of the Version 7.0 specification and the Final Draft proposal for an effective date of September 2015. Four stakeholders, however, commented that the effective date does not provide enough lead time and conflicts with manufacturer and marketing cycles. These four stakeholders requested the effective date be delayed to the end of 2015 or Quarter 1, 2016, expressing deep concern that there would be major market disruption if models lost their ENERGY STAR certification midway through the year and prior to the holiday season. Additionally they emphasized that delaying the effective date would allow time for product redesign and completion of the ENERGY STAR certification process. | The growing market share for ENERGY STAR televisions was a primary driver for this specification revision. In light of the holiday and early January drivers for TV partners, EPA has shifted the effective date to October 30, 2015. The overall schedule is outlined in the cover memo accompanying the final Version 7.0 specification. Partners may begin to work with their certification bodies immediately to certify products to the Version 7.0 specification. The referenced test procedure has not changed significantly so laboratories do not need to be re-accredited for ENERGY STAR TVs. Therefore, EPA expects that there should be minimal delay to receiving Version 7.0 certification. |
| Future Specification Revisions | One stakeholder commented that EPA should plan for a Version 8.0 specification effective date of no later than January 1, 2018, while another recommended that EPA closely track and report qualifying TV shipments and commit to updating the specification if market share increases to 50%. Both stakeholders expected shipments of qualified of UHD TVs to increase rapidly due to advances in the efficiency of UHD models and falling prices. | EPA thanks the stakeholders for the comment. EPA notes that preceding TV specifications have been revised on a 2 year timeframe and will continue to monitor the market to launch a timely Version 8.0 specification development with an effective date that encourages and accounts for technological advances. |