

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



OFFICE OF AIR  
AND RADIATION

July 13, 2015

Dear ENERGY STAR® Displays Partner or Other Interested Stakeholder:

The U.S. Environmental Protection Agency (EPA) is pleased to share with you the Final Draft Version 7.0 ENERGY STAR Displays specification, developed in consultation with the European Commission. With this Final Draft specification, the Department of Energy (DOE) also shares the Final Draft Test Method for Displays. EPA appreciates the time and effort stakeholders contributed to this specification development process. This specification will take effect on April 30, 2016.

The Final Draft reflects input received from stakeholders in response to Draft 2. In general, stakeholders were supportive of the changes made in Draft 2, though a number of manufacturers provided feedback and supporting data demonstrating a need for allowances for signage displays with touch functionality and network connectivity. EPA reviewed this data and agrees that it justifies a number of adjustments to the previously proposed requirements for signage displays. EPA has adjusted the luminance allowance to allocate a greater proportion of power to area, such that the specification continues to reflect the performance of top performing signage products in EPA's dataset. EPA changed the allowance for signage displays with full network connectivity in Sleep to 3 Watts. Lastly, EPA included a 1.5 W allowance in Sleep Mode for touch functionality in large signage displays, based on data received.

Stakeholders also suggested modifications to EPA's proposed criteria for enhanced performance displays (EPDs). Since the release of Draft 2, EPA identified nearly 40 models not categorized as EPDs under the Version 6.0 specification that appear to meet the Final Draft color gamut and contrast ratio criteria. Therefore, EPA expanded its final dataset of models considered to be EPDs to 76, which may include more efficient models that did not need the EPD allowance under Version 6.0. Based on this expanded dataset, EPA has adjusted the allowances as described in the enclosed specification. In addition, stakeholders suggested EPA take further steps to differentiate computer monitors from signage displays. In the Final Draft, EPA has added the criterion "ships without a mounting stand" to further differentiate computer monitors and signage displays. EPA discusses each of these edits in noteboxes within the specification.

Any comments on the Final Draft specification **should be submitted no later than July 27, 2015**. Please send comments via e-mail to [displays@energystar.gov](mailto:displays@energystar.gov). All comments received will be posted to the ENERGY STAR Product Development website, unless the submitter specifically requests otherwise.

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 Displays products specification and to review comments, please visit the Product Development Web site at [www.energystar.gov/RevisedSpecs](http://www.energystar.gov/RevisedSpecs) and click on "Version 7.0 is in development" under "Displays."

Thank you for taking the time to review these materials. Please contact me at [Radulovic.Verena@epa.gov](mailto:Radulovic.Verena@epa.gov) or (202) 343-9845 with any questions or concerns. For any questions related to the test method for ENERGY STAR products, please contact Jeremy Dommu at [Jeremy.Dommu@ee.doe.gov](mailto:Jeremy.Dommu@ee.doe.gov) or (202) 586-9870.

Best Regards,

A handwritten signature in black ink that reads "Verena Radulovic". The signature is written in a cursive style with a large initial 'V'.

Verena Radulovic, Product Manager  
ENERGY STAR for Consumer Electronics

Enclosures:

Final Draft Version 7.0 ENERGY STAR Displays Products Specification  
Final Draft ENERGY STAR Displays Test Method  
Version 7.0 Displays Data Reporting Template (Final Draft)  
Masked Dataset Used to Determine Proposed Final Draft Energy Efficiency Requirements and  
Chart Showing Proposed Final Draft Energy Efficiency Requirements for Enhanced Performance  
Displays  
Draft 2 Version 7.0 Comment Response Document