

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



**OFFICE OF
AIR AND RADIATION**

September 4, 2012

Dear Displays Partner or Other Interested Party:

The U.S. Environmental Protection Agency (EPA) is pleased to provide you with the Final Version 6.0 ENERGY STAR® Displays specification and the Final ENERGY STAR Displays Test Method. EPA would like to thank the many stakeholders who have invested time and effort over the past year to contribute feedback to this specification revision process. The effective date for the Version 6.0 ENERGY STAR Displays specification is June 1, 2013. This letter highlights key features of the new specification and outlines the process for qualifying products to it.

The Version 6.0 specification establishes new On Mode power consumption requirements for displays with a viewable diagonal screen size from 12 to 30 inches and for computer monitors greater than 30 inches. It also establishes a new maximum Sleep Mode power requirement of 0.5 watts for all displays, and a power management requirement that all computer monitors must enter Sleep Mode after the connection to a host is discontinued. Under these new ENERGY STAR efficiency requirements, savings from computer monitors will grow to over \$800 million in energy costs, with a reduction in annual greenhouse gas emissions equivalent to that of nearly 1 million cars.

In addition, this specification

- Establishes an allowance in Sleep Mode for multiple networking and control protocols, including Gigabit Ethernet or Wi-Fi protocols, and additional capabilities, such as occupancy sensors or memory, implemented in a single product
- Adds a definition for enhanced-performance displays and establishes an allowance in On Mode for products that meet that definition
- Establishes a hierarchy under the Test Method for testing network connected products in Sleep Mode and lighting conditions for testing products with automatic brightness control (ABC) enabled by default.

The Version 6.0 Displays specification was developed through extensive engagement with stakeholders including numerous draft specifications and meetings. Stakeholder comments, draft versions of the specification, and related materials are available on the ENERGY STAR website at www.energystar.gov/RevisedSpecs under the link for "Displays."

The only change to the Version 6.0 specification from the Final Draft relates to the treatment of enhanced performance displays and resolution as outlined in an August 7, 2012 EPA letter to stakeholders. In response to feedback, EPA further clarifies that:

- A product does not need to have an Off Mode to be eligible for qualification; and

- The Sleep Mode adder applies to only the individual ports that are active during the test, not to inactive ports.

Timeline and Next Steps:

EPA shares partners' desire for a smooth transition from one ENERGY STAR specification to the next, so that consumers can expect ENERGY STAR labeled products to fully meet the latest requirements upon their effective date. With this in mind, EPA has established the following timeline:

- Effective today, manufacturers may elect to have their certification body (CB) certify their eligible products to the Version 6.0 requirements.
- After January 15, 2013, CBs will be instructed to stop certifying new product submittals to the Version 5.1 specification. Note, however, that existing certifications will remain valid for purposes of ENERGY STAR qualification until June 1, 2013.
- Any display manufactured as of June 1, 2013 will have to meet the Version 6.0 requirements to bear the ENERGY STAR mark. All certifications of products to the Version 5.1 specification will be invalid for purposes of ENERGY STAR qualification, and CBs will be permitted to submit to EPA for qualification only those models they have certified to Version 6.0.

Third-party Certification:

As a reminder, all new products must be certified by an EPA-recognized CB before being labeled and marketed as ENERGY STAR qualified. Upon satisfactory completion of all certification requirements, a CB will notify the partner that the product is ENERGY STAR qualified and will submit qualified product data to EPA for listing on the ENERGY STAR website. For more information on the Third-party Certification program, please visit www.energystar.gov/3rdPartyCert.

EPA thanks stakeholders who provided feedback during the specification revision process and looks forward to working with you as you qualify and market your energy-efficient displays. If you have any questions or concerns about the specification or partnership process, please feel free to contact me at (202) 343-9845 or Radulovic.Verena@epa.gov. For any questions related to the Test Method, please contact Ashley Armstrong, DOE, at Armstrong.Ashley@ee.doe.gov.

Thank you for your continued support of ENERGY STAR.

Best Regards,



Verena Radulovic, Product Manager
ENERGY STAR for Consumer Electronics

Enclosures:

Final Version 6.0 Program Requirements for ENERGY STAR Displays
Final Draft Version 6.0 Comment Response Document