

Version 6.0 ENERGY STAR Displays Product Specification
Summary of Stakeholder Comments in Response to the Draft Test Method distributed on June 3, 2011.

Issue No.	Topic	Comment	EPA Response
1	Light Measuring Device	Some stakeholders commented that the luminance measured area will influence the test result especially when a display does not have good brightness uniformity and felt that the current requirement specified under section 8.1 should be expanded to include measuring an area of at least 500pixels. Other stakeholders noted that some LMD's may need close up lenses or may simply not be designed for use within 1 meter, and using a meter like this at an incorrect focal distance would result in incorrect luminance measurements.	For luminance testing, EPA has clarified that Partners may either position the Light Measuring Device (LMD) as close to the screen as possible, not exceeding 500mm, or measure an area of at least 500 pixels. Stakeholders are welcome to include the specific parameters used for measuring luminance in the data assembly form accompanying the Test Method.
2	Luminance	Some stakeholders requested clarification pertaining to the luminance requirement for qualifying a display product under Version 6.0 of the ENERGY STAR Display Products Specification.	EPA proposes that Partners test their products in their as-shipped configuration. For qualification purposes, the 'as-shipped' luminance must be at least 65% of the maximum luminance, as measured per the Test Method.
3	Test Room Conditions	Stakeholders commented that in order to ensure repeatability across different test laboratories, the Test Method should clarify the testing room conditions, e.g., color of the walls, floor, type of lighting etc...	During the data assembly process, and as an initial step towards investigating the variations in room test conditions, EPA is asking stakeholders to share the room conditions in which their display products are being tested. EPA hopes to assemble sufficient data for recommending test room conditions to laboratories in the future.
4	Power Factor	Stakeholders expressed that for displays tested with ABC enabled by default, multiple power factor values would need to be reported. In addition, since power factor often decreases at lower loads on the power supply, displays that support additional features such as speakers, battery charging of notebook and/or mobile devices will have power supplies with significantly higher output ratings. Consequently, when these displays are tested without the additional loading of the battery charger or speakers, the power factor values will be relatively low.	EPA understands the discrepancy in power factor readings and continues to request power factor measurements from Partners. EPA's intention is not to place a test burden on Partners; therefore, EPA asks for Partners to provide only the power factor measured for On Mode power with ABC disabled.
5	Host Connectivity	Stakeholders commented that the test method needs to specifically describe attaching the display UUT to a host system.	Within the Test Method, under the test conduct section, EPA has specified the proper UTT connection to a host system.
6	Conditions for Power Measurement	Stakeholders recommended for power values in sleep and off mode testing to be the result of a 5 minute integration to ensure better accuracy and repeatability. Stakeholders feel that this is especially important in low power modes where pulse mode power management on the power supply may be incorporated.	To accommodate stakeholders request, EPA has increased the stabilization period from three to five minutes.
7	IEC 62087 Standard	Some stakeholders supported the adoption of IEC 62087 test standard, but asked EPA to reference the most recent edition, Ed. 3.	EPA is referencing the most recent edition of the IEC 62087 standard, edition 3. However, EPA understand that the provisions that relate to televisions, and therefore displays, were unchanged. As such, Partners may continue to utilize IEC 62087 Ed 2.0 for testing and qualifying displays for ENERGY STAR.