


Subject: ENERGY STAR Displays Outreach for Enhanced-Performance Products

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Dear ENERGY STAR® Displays Partner or Other Interested Stakeholder:

The U.S. Environmental Protection Agency (EPA) is currently developing the Draft 3 Version 6.0 Displays specification. One of the issues under review is a possible category for enhanced-performance displays. EPA is analyzing features that distinguish these displays from the mainstream. In particular, EPA has received feedback from stakeholders on the methods used to measure and verify the viewing angle of a display. Most stakeholders referenced the Video Electronics Standard Association (VESA) Flat Panel Display Measurement Standard (FPDM), Version 2.0, as the procedure for determining viewing angle. According to EPA's dataset, many typical twisted nematic (TN) displays can achieve a contrast ratio of 10:1 at horizontal viewing angles of 89° (out of 90°). Displays with in-plane switching (IPS), vertical alignment (VA), and other similar performance enhancement technologies, are expected to achieve contrast ratios exceeding 10:1 at these extreme angles.

EPA is requesting stakeholder feedback on the **typical contrast ratio and luminance values** achievable by enhanced-performance displays, sometimes marketed as high-performance displays, at the horizontal and vertical viewing angles of 89°. Stakeholders should submit all comments to displays@energystar.gov by **next Tuesday, December 20**.

Please direct any questions to Verena Radulovic, EPA, at Radulovic.Verena@epa.gov or (202) 343-9845, or Bizhan Zhumagali, ICF International, at BZhumagali@icfi.com or (202) 572-9448.

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