

Commission Decision (EU) 2016/1756 of 28 September 2016 determining the European Union position with regard to a decision of the management entities under the Agreement between the Government of the United States of America and the European Union on the coordination of energy-efficiency labelling programmes for office equipment, on the revision of specifications for displays included in Annex C to the Agreement (Text with EEA relevance)

Sole Article Under the Agreement between the Government of the United States...
Signature

ANNEX I

DRAFT DECISION of ... the Management entities under the Agreement between the Government of the United States of America and the European Union on the coordination of energy-efficiency labelling programmes for office equipment on the revision of specifications for displays included in Annex C of the Agreement

ANNEX II

ANNEX PART II TO THE AGREEMENT

- I. DISPLAY SPECIFICATIONS (Version 7.0)
 1. Definitions
 2. Scope
 - 2.1. Included products
 - 2.1.1. Products that meet the definition of a Display as specified...
 - 2.2. Excluded products
 - 2.2.1. Products that are covered under other Energy Star product specifications...
 - 2.2.2. The following products are not eligible for qualification under this...
 3. Qualification criteria
 - 3.1. Significant digits and rounding
 - 3.1.1. All calculations shall be carried out with directly measured (unrounded)...
 - 3.1.2. Unless otherwise specified, compliance with specification requirements shall be evaluated...
 - 3.1.3. Directly measured or calculated values that are submitted for reporting...
 - 3.2. General requirements for Monitors and Signage Displays
 - 3.2.1. External power supplies (EPSs): Single- and Multiple-voltage EPSs shall meet...

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- 3.2.2. Power management:
 - 3.2.3. Signage Displays shall have a true power factor in On...
 - 3.3. Energy requirements for computer monitors
 - 3.3.1. The Total Energy Consumption (TEC) in kWh shall be calculated...
Equation Total Energy Consumption Calculation
 - 3.3.2. The Maximum TEC (ETEC_MAX) in kWh for Monitors shall be...
 - 3.3.3. For all Monitors, Calculated TEC (ETEC) in kWh shall be...
Equation Total Energy Consumption Requirement for Monitors
 - 3.3.4. For Monitors meeting the enhanced performance display (EPD) requirements below,...
 - 3.3.5. For monitors with Automatic Brightness Control (ABC) enabled by default, ...
Equation Calculation of On Mode Reduction with ABC Enabled by Default...
Equation Monitor ABC Energy Allowance (EABC) for Monitors
 - 3.3.6. Products with Full Network Connectivity confirmed in Section 6.7 of...
Table 3 Full Network Connectivity Energy Allowance (EN) for Monitors
 - 3.3.7. Products tested with an Occupancy Sensor active shall apply the...
 - 3.3.8. Products tested with Touch Technology active in On Mode shall...
Equation Energy Allowance for Touch Technology (ET) for Monitors
 - 3.4. On Mode requirements for Signage Displays
 - 3.4.1. The Maximum On Mode Power (PON_MAX) in watts shall be...
Equation Calculation of Maximum On Mode Power (PON_MAX) in Watts for...
Equation On Mode Power Requirement for Signage Displays
 - 3.4.2. For Signage Displays with ABC enabled by default, a power...
Equation Calculation of On Mode Power Allowance for Signage Displays with...
 - 3.5. Sleep Mode requirements for Signage Displays
 - 3.5.1. Measured Sleep Mode Power (PSLEEP) in watts shall be less...
Equation Sleep Mode Power Requirement for Signage Displays
Table 5 Maximum Sleep Mode Power Requirement (PSLEEP_MAX) for Signage Displays
 - 3.5.2. Products with Full Network Connectivity confirmed in Section 6.7 of...

- Table 6 Full Network Connectivity Allowance for Signage Displays
- 3.5.3. Products tested with an Occupancy Sensor or Touch Technology active...
- 3.6. Off Mode requirements for all displays
 - 3.6.1. A product need not have an Off Mode to be...
Table 8 Maximum Off Mode Power Requirement (POFF_MAX)
- 3.7. Luminance reporting requirements
 - 3.7.1. Maximum Reported and Maximum Measured Luminance shall be reported for...
- 4. Test requirements
 - 4.1. Test methods
 - 4.1.1. Test methods identified in Table 9 shall be used to...
 - 4.2. Number of units required for testing
 - 4.2.1. One unit of a Representative Model, as defined in Section...
 - 4.2.2. For qualification of a Product Family, the product configuration that...
- 5. User interface
 - 5.1. Manufacturers are encouraged to design products in accordance with the...
- 6. Effective date
 - 6.1. Effective Date: The Version 7.0 Energy Star Display specification shall...
 - 6.2. Future Specification Revisions: The European Commission reserves the right to...
- 7. Considerations for future revisions
 - 7.1. On Mode DC Power Limit: EPA and the European Commission...

FINAL TEST METHOD FOR DISPLAYS

- 1. Overview
- 2. Applicability
- 3. Definitions
- 4. Test set-up
- 5. Test conduct
 - 5.1. Guidance for power measurements
 - 5.2. Conditions for power measurements
- 6. Test procedures for all products
 - 6.1. Pre-test UUT initialisation
 - (A) Prior to the start of testing, the UUT shall be...
 - 6.2. Luminance testing
 - 6.3. On Mode testing for products without ABC enabled by default...
 - 6.4. On Mode testing for products with ABC enabled by default...
 - 6.5. Sleep Mode testing
 - 6.6. Off Mode testing
 - 6.7. Additional testing

Changes to legislation: *There are currently no known outstanding effects for the Commission Decision (EU) 2016/1756. (See end of Document for details)*

- (1) [OJ L 63, 6.3.2013, p. 5.](#)
- (2) Regulation (EC) No 106/2008 of the European Parliament and of the Council of 15 January 2008 on a Union energy-efficiency labelling programme for office equipment ([OJ L 39, 13.2.2008, p. 1.](#)).

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