

Annex

Date 10/26/09	Document ENERGY STAR A/V V2.0 Final Draft	Project Nr.
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Document: ENERGY STAR Program requirements for Audio/Video V2.0 Final Draft
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 Date: 10/26/09

Member Name	Line number	Clause/ Subclause	Paragraph Figure/ Table	Type of comment (General/ Technical/Editorial)	COMMENTS	Proposed change	OBSERVATIONS OF THE SECRETARIAT on each comment submitted
Jeff Howell	111-114	1.a)		Technical	Per previous comment, it should not be necessary to monitor for the last user input in all cases. Suggest modifying language.	APD (Auto-Power Down): The capability to automatically switch a device from On mode to Sleep mode <u>after a predetermined period of time (APD timing) has elapsed. APD timing begins</u> when all of the following criteria have been met: (1) the device has ceased performance of all primary functions, <u>or</u> (2) the last user input has been received (e.g. remote control signal, volume adjustment), <u>and (3) a predetermined period of time (APD timing) has elapsed.</u>	

Member Name	Line number	Clause/ Subclause	Paragraph Figure/ Table	Type of comment (General/ Technical/Editorial)	COMMENTS	Proposed change	OBSERVATIONS OF THE SECRETARIAT on each comment submitted
Jeff Howell	306-313	3.1a)		Technical	Per previous comment, it should not be necessary to monitor for the last user input in all cases. Suggest modifying language.	<u>Mandatory Auto-Power Down:</u> To qualify for ENERGY STAR, all products must offer APD functionality that is enabled by default. APD timing begins after the last user input has been received (e.g. control signal, volume adjustment) or and when the product ceases performance of all primary functions. For devices that process audio or video signals from external sources, the presence of a signal on any active AV input shall constitute performance of a primary function, and APD timing begins upon loss of signal (LOS) on all active AV inputs. APD must function on all available AV inputs. Manufacturers may offer users the option (via system menu, DIP-switch, or other means) to modify APD timing in 30 minute intervals or to disable APD entirely.	
Jeff Howell	378		Table 4	Editorial	<p>The limits for optical discs are unclear. For example, for SD, the limits are written as :</p> <p>6.0 W (Player Only)</p> <p>16 W (Player Recorder)</p> <p>The above appear to be misleading as it appears the actual limits are intended to be :</p> <p>6.0 W (Playback mode)</p> <p>16 W (Record Mode)</p>	<p>Change as follows or as appropriate:</p> <p>6.0 W (Playback mode<u>Player Only</u>)</p> <p>16 W (Record mode<u>Player/Recorder</u>)</p> <p>10 W (Playback mode<u>Player Only</u>)</p> <p>20 W (Record mode<u>Player/Recorder</u>)</p> <p>15 W (Playback mode<u>Player Only</u>)</p> <p>25 W (Record mode<u>Player/Recorder</u>)</p>	
Jeff Howell	471		Appendix A	Editorial	There appear to be some minor errors in the flow chart.	See attached Appendix A for suggested modifications.	
Jeff Howell	499			Editorial	The end of the sentence is missing	"becomes effective, all products must be tested to <u>????????????????</u> "	

Member Name	Line number	Clause/ Subclause	Paragraph Figure/ Table	Type of comment (General/ Technical/Editorial)	COMMENTS	Proposed change	OBSERVATIONS OF THE SECRETARIAT on each comment submitted
Jeff Howell	527	4.3c)		Technical	There are several static and dynamic signals on the IEC 62087 test disks. Suggest specifying the "broadcast loop" if that is intent.	c) Video Sources: SD and HD video content from IEC-62087 broadcast loop shall be used as the video source for optical disc player tests in Section 6.	
Jeff Howell	591	5.2 3)		Technical	Some products, for example some HD optical drives, may take longer than 60 seconds to fully turn on. Additional language should be added to allow for these cases. It appears that the idle state value intended to be captured is after the unit has been turned on and is not performing a primary function. This value should not include power on cycles.	5.2. Idle State 1) Configure the UUT in a typical Sleep or Off mode operational state. 2) Press the Power button to bring the unit into an On mode operational state, such that no active content is playing. 3) Wait 60 seconds or until power consumption has stabilized . 4) Measure & record the average power consumption over a 2-minute period.	
Jeff Howell	608-609	5.4 5)		Technical	The AV 1.0 spec referred to a table that gave the voltage /freq. combinations for a number of countries. Since this spec. may be used internationally, these clause should refer to the previous table and not just the North America voltage/freq.		
Jeff Howell	635	6.3 1)		Technical	Typo. Pink noise is referred to from last draft instead of a 1 kHz sine wave.	1) Insert / install the optical disc media and begin playback of a 1 kHz sine wave pink noise signal per section 4.3.b.	
Jeff Howell	638	6.4 1)		Technical	Typo. Pink noise is referred to from last draft instead of a 1 kHz sine wave.	1) Insert / install the optical disc media and begin recording of a 1 kHz sine wave pink noise signal per section 4.3.b.	
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APPENDIX A: Audio/Video Version 2.0 Requirements Flow Chart (Not Applicable to Tier 1 Consumer AV Products)

Note: This flow chart is provided as a visual aid only and should not be used in place of the full requirements specification. In the event of a discrepancy between this flow chart and the primary document, the requirements specified in the primary document shall prevail.

