



## DRAFT ENERGY STAR Televisions Template

Release Date: TBD

**Description:** Information for certification bodies to provide to EPA on products certified as meeting the eligibility criteria for the ENERGY STAR® Program Requirements for Televisions Version 7.0. Additional instructions for submitting this information to EPA are available at [www.energystar.gov/qpx](http://www.energystar.gov/qpx).

Total Data Fields: 58

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
<b>ENERGY STAR Specification Version</b>		R	N	Enumeration Data	Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Product Type</b>		R	N	Enumeration Data	Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>Television (TV)</li> </ul>
<b>Application</b>	Indicate the application or market for which the product is intended for use.	R	Y	Enumeration Data	Min Occurs: 1 Max Occurs: 4	<ul style="list-style-type: none"> <li>Consumer</li> <li>Commercial Signage/Monitor</li> <li>Hospital Grade</li> <li>Hospitality</li> <li>Other</li> </ul>
<b>Display Type</b>		R	N	Enumeration Data	Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>DLP</li> <li>LCD</li> <li>OLED</li> <li>Plasma</li> <li>Other</li> </ul>
<b>Other Display Type</b>	Required if the Display Type is Other.	C	N	Text	Min Occurs: 0 Max Length: 1000	
<b>Backlight Technology</b>		R	N	Enumeration Data	Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>CCFL</li> <li>Direct-lit LED</li> <li>Edge-lit LED</li> <li>HCFL</li> <li>Other</li> </ul>
<b>Other Backlight Technology</b>	Required if the Backlight Technology is Other.	C	N	Text	Min Occurs: 0 Max Length: 1000	

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
Native Vertical Resolution (pixels)		R	N	Integer		
Native Horizontal Resolution (pixels)		R	N	Integer		
Resolution Format		R	N	Enumeration Data	Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>720p</li> <li>1080i</li> <li>1080p</li> <li>2160p</li> <li>Other</li> </ul>
Other Resolution Format	Required if the Resolution Format is Other.	C	N	Text	Min Occurs: 0 Max Length: 1000	
Local Dimming?		R	N	Enumeration Data	Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>None</li> <li>Display Dims as an Entire Unit</li> <li>Display Dims by Horizontal or Vertical Rows</li> <li>Display Dims in Local Sectors</li> <li>Other</li> </ul>
Other Local Dimming	Required if Local Dimming is Other.	C	N	Text	Min Occurs: 0 Max Length: 1000	
Viewable Screen Height (in)		R	N	Decimal	No. of Decimal: 2	
Viewable Screen Width (in)		R	N	Decimal	No. of Decimal: 2	
Diagonal Viewable Screen Size (in)		R	N	Decimal	No. of Decimal: 2	
Viewable Screen Area (sq in)		R	N	Decimal	No. of Decimal: 2	
External Power Supply (EPS)	Indicate whether the product ships with an External Power Supply.	R	N	Enumeration Data	Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>Yes</li> <li>No</li> </ul>
Features	Indicate any available features in the product. The features may include those not enabled during tests for ENERGY STAR certification.	R	Y	Enumeration Data	Min Occurs: 1 Max Occurs: 21	<ul style="list-style-type: none"> <li>3D</li> <li>Additional Analog Tuner</li> <li>Anti-burn-in</li> <li>Anti-glare</li> <li>Automatic Brightness Control</li> <li>Digital IP Tuner</li> <li>Electronic Program Guide</li> <li>Energy Gauge</li> <li>Gesture Recognition</li> </ul>

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
						<ul style="list-style-type: none"> <li>• HPNA</li> <li>• High Dynamic Range</li> <li>• Integrated DVD</li> <li>• Integrated DVR</li> <li>• Integrated hard drive</li> <li>• MoCA</li> <li>• Motion Blur</li> <li>• Picture-in-Picture</li> <li>• Quick Start</li> <li>• Upconversion</li> <li>• User Adjustable Backlight</li> <li>• Voice Recognition</li> <li>• Wide Color Gamut</li> <li>• Other</li> <li>• None</li> </ul>
<b>Features Enabled in Default On Mode</b>	Indicate features enabled in the default tested On Mode.	R	Y	Enumeration Data	Min Occurs: 1 No. of Decimal: 6	<ul style="list-style-type: none"> <li>• Automatic Brightness Control</li> <li>• Gesture Recognition</li> <li>• High Dynamic Range</li> <li>• Upconversion</li> <li>• Voice Recognition</li> <li>• Other</li> <li>• None</li> </ul>
<b>Features Enabled in Default On Mode Other</b>	Required if Features Enabled in Default On Mode is Other.	C	N	Text	Min Occurs: 0 Max Length: 1000	
<b>Features Enabled in Default Standby-Active, Low Mode</b>	Required for models tested in Standby-Active, Low Mode. Indicate the features enabled in the tested default Standby-Active, Low Mode.	R	Y	Enumeration Data	Min Occurs: 1 Max Occurs: 7	<ul style="list-style-type: none"> <li>• Gesture Recognition</li> <li>• Quick Start</li> <li>• Internal Timer or Clock</li> <li>• Voice Recognition</li> <li>• Wake-on-LAN</li> <li>• WoWLAN</li> <li>• Other</li> <li>• N/A</li> </ul>
<b>Features Enabled in Default Standby-Active, Low Mode Other</b>	Required if Features Enabled in Default Standby-Active, Low Mode is Other.	C	N	Text	Min Occurs: 0 Max Length: 1000	
<b>Features Enabled in Default Standby-Active, High Mode</b>	Required for models with a Standby-Active, High Mode. Indicate the features	R				<ul style="list-style-type: none"> <li>• Gesture Recognition</li> <li>• Quick Start</li> <li>• Internal Timer or Clock</li> <li>• Voice Recognition</li> <li>• Other</li> </ul>

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
	enabled in the tested default Standby-Active, High Mode.					<ul style="list-style-type: none"> <li>N/A</li> </ul>
<b>Features Enabled in Default Standby-Active, High Mode Other</b>	Required if Features Enabled in Default Standby-Active, High Mode is Other.	C				
<b>Wireless Technologies Supported</b>	Indicate the wireless band and frequency supported by the model.	R	Y	Enumeration Data	Min Occurs: 1 Max Occurs: 6	<ul style="list-style-type: none"> <li>IEEE 802.11ac, 5 GHz</li> <li>IEEE 802.11n, 5 GHz</li> <li>IEEE 802.11n, 2.4 GHz</li> <li>IEEE 802.11g, 2.4 GHz</li> <li>IEEE 802.11b, 2.4 GHz</li> <li>IEEE 802.11a, 5 GHz</li> <li>Other</li> <li>None</li> </ul>
<b>Low Power Wireless Technologies</b>	Indicate whether the model supports low power wireless technologies.	R	Y	Enumeration Data	Min Occurs: 1 Max Occurs: 3	<ul style="list-style-type: none"> <li>ZigBee</li> <li>Bluetooth</li> <li>Other</li> <li>None</li> </ul>
<b>Physical Data Ports</b>		R	Y	Enumeration Data	Min Occurs: 1 Max Occurs: 7	<ul style="list-style-type: none"> <li>Universal Serial Bus (USB)</li> <li>Firewire</li> <li>Thunderbolt</li> <li>SATA</li> <li>SCSI</li> <li>RS-232</li> <li>Other</li> <li>None</li> </ul>
<b>Ethernet Supported</b>		R	Y	Enumeration Data	Min Occurs: 1 Max Occurs: 4	<ul style="list-style-type: none"> <li>Fast Ethernet (100 Mbit/s)</li> <li>Gigabit Ethernet (1000 Mbit/s)</li> <li>Fast Energy Efficient Ethernet (IEEE 802.3az)</li> <li>Gigabit Energy Efficient Ethernet (IEEE 802.3az)</li> <li>None</li> <li>Other</li> </ul>
<b>Thin Client Capability</b>	Indicate whether the product has Thin Client Capability.	R	N		Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>Yes</li> <li>No</li> </ul>
<b>Multimedia Protocols</b>	Indicate the	R	Y	Enumeration	Min Occurs: 1 Max Occurs: 3	<ul style="list-style-type: none"> <li>DLNA</li> </ul>

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
	interoperability protocols to receive and share multimedia supported by the model.			Data		<ul style="list-style-type: none"> <li>• Miracast</li> <li>• RVU</li> <li>• Other</li> </ul>
<b>Multimedia Protocols Other</b>	Required if Multimedia Protocols is Other.	C	N	Text	Min Occurs: 0 Max Length: 1000	
<b>Audio/Video Ports</b>		R	Y	Enumeration Data	Min Occurs: 1 Max Occurs: 10	<ul style="list-style-type: none"> <li>• Coaxial</li> <li>• Component</li> <li>• Composite</li> <li>• DVI</li> <li>• HDMI 2.X</li> <li>• HDMI 1.X</li> <li>• IEEE 1394</li> <li>• RF</li> <li>• S-Video</li> <li>• VGA</li> <li>• Other</li> </ul>
<b>Other Audio/Video Ports</b>	Required if Audio/Video Ports is Other.	C	N	Text	Min Occurs: 0 Max Length: 1000	
<b>On Mode Power at 100 lx (W)</b>	Required for models with ABC enabled by default. Provide the measured On Mode Power at 100 lx illuminance.	C	N		No. of Decimal: 1 Max Value: None	
<b>On Mode Power at 35 lx (W)</b>	Required for models with ABC enabled by default. Provide the measured On Mode Power at 35 lx illuminance.	C	N		No. of Decimal: 1 Max Value: None	
<b>On Mode Power at 12 lx (W)</b>	Required for models with ABC enabled by default. Provide the measured On Mode Power at 12 lx illuminance.	C	N		No. of Decimal: 1 Max Value: None	
<b>On Mode Power at 3 lx (W)</b>	Required for models with ABC enabled by default. Provide the measured On Mode Power at 3 lx	C	N		No. of Decimal: 1 Max Value: None	

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
	illuminance.					
<b>Measured On Mode Power (W)</b>	Provide the measured On Mode power (Pon) at 115 V.	R	N	Decimal	Min Occurs: 0 No. of Decimal: 1 Max Value: 130	
<b>Reported On Mode Power (W)</b>	Provide the rated/reported On Mode power at 115 V for models with or without ABC enabled by default, which will appear on the ENERGY STAR list of certified products.	R	N	Decimal	No. of Decimal: 1 Max Value: 130	
<b>Maximum On Mode Power for Certification (W)</b>	Provide the applicable Maximum On Mode Power limit for the product.	R	N	Decimal	No. of Decimal: 1 Max Value: 125	
<b>Luminance in Default Picture Setting (cd/m<sup>2</sup>)</b>	Provide the number in candelas per square meter.	R	N	Decimal	No. of Decimal: 1	
<b>Name of Default Picture Setting as Shipped</b>	Name of Default Picture Setting (or as selected using forced menu).	R	N	Text	Min Length: 1 Max Length: 1000	
<b>Luminance in Brightest Selectable Picture Setting (cd/m<sup>2</sup>)</b>	Provide the number in candelas per square meter.	R	N	Decimal	No. of Decimal: 1	
<b>Name of Brightest Selectable Preset Picture Setting</b>	Also known as the Brightest Selectable Picture Setting in the Final Rule.	R	N	Text	Min Length: 1 Max Length: 1000	
<b>Measured Standby-Passive Mode Power (W)</b>	Provide the measured Standby-Passive Mode power (Pstandby-passive) in watts. Provide power use at 115 V.	R	N	Decimal	No. of Decimal: 1 Max Value: 0.5	
<b>Reported Standby-Passive Mode Power (W)</b>	Provide the rated/reported Standby-Passive Mode power in watts at 115 V, which will	R	N	Decimal	No. of Decimal: 1 Max Value: 0.5	

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
	appear on the ENERGY STAR list of certified products.					
<b>Measured Standby-Active, Low Mode Power (W)</b>	Provide the measured Standby-Active, Low Mode power (Pstandby-active, low) in watts. Provide power use at 115 V.	R	N	Decimal	No. of Decimal: 1 Max Value: 3.0	
<b>Reported Standby-Active, Low Mode Power (W)</b>	Provide the rated/reported Standby-Active, Low Mode power in watts at 115 V, which will appear on the ENERGY STAR list of certified products.	R	N	Decimal	No. of Decimal: 1 Max Value: 3.0	
<b>Reported Annual Energy Consumption (kWh)</b>	Provide the rated/reported Annual Energy Consumption power in kWh at 115 V, which will appear on the ENERGY STAR list of certified products.	R	N	Decimal	Min Occurs: 0 No. of Decimal: 1	
<b>Download Acquisition Mode (DAM) Present</b>	Indicate whether the product has a Download Acquisition Mode.	R	N	Enumeration Data	Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
<b>DAM Duration (min per day)</b>	Required if Download Acquisition Mode (DAM) Present is Yes. Indicate typical time in DAM. If typical time in DAM is less than a minute, indicate number of seconds in decimal form i.e. 0.75 for 45 seconds.	C	N	Decimal	Min Occurs: 0 No. of Decimal: 2	

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
<b>DAM Measured Power (W)</b>	Required if Download Acquisition Mode (DAM) Present is Yes. Indicate typical power consumed while in DAM. Provide power use at 115 V.	C	N	Decimal	Min Occurs: 0 No. of Decimal: 1	
<b>DAM Functions</b>	Required if Download Acquisition Mode (DAM) Present is Yes. Indicate which activities occur under DAM.	C	Y	Enumeration Data	Min Occurs: 1 Max Occure: 4	<ul style="list-style-type: none"> <li>Download Channel Listing Information for Use by an Electronic Programming Guide</li> <li>Monitor for Emergency Messaging/Communications</li> <li>Otherwise Communicate Through a Network Protocol</li> <li>Other</li> <li>N/A</li> </ul>
<b>Consumer Informational Materials</b>	Indicate whether the unit ships with Consumer Informational Materials.	R	N	Enumeration Data	Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>Yes</li> <li>No</li> </ul>
<b>ENERGY STAR Included in Printed Literature</b>	Indicate whether additional detail about ENERGY STAR is included in printed literature.	R	N	Enumeration Data	Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>Yes</li> <li>No</li> </ul>
<b>Second Prompt Confirming Retail Configuration</b>	Indicate whether the product displays a second prompt confirming selection of Retail Configuration.	R	N	Enumeration Data	Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>Yes</li> <li>No</li> <li>No Forced Menu</li> </ul>
<b>Information Displayed About Default Picture Setting</b>	Indicate Yes if model displays information that Default Picture Setting is setting under which product is certified for ENERGY STAR.	R	N	Enumeration Data	Min Occurs: 1 Max Occurs: 1	<ul style="list-style-type: none"> <li>Yes</li> <li>No</li> <li>No Other Picture Settings Available</li> </ul>



Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
	Settings other than the default setting (the default setting may be called "Home" or "Auto" or "General"), can include other pre-set picture settings such as "Sports," "Cinema," etc.					