



## 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
<b>Native Vertical Resolution (lines)</b>		R	N	Integer		
<b>Native Horizontal Resolution (lines)</b>		R	N	Integer		
<b>Resolution Format</b>		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>
<b>Other Resolution Format</b>	Required if the Resolution Format is Other.	C	N	Text	Min Occurs: 0 Max Length: 1000	
<b>Local Dimming?</b>		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>
<b>Other Local Dimming</b>	Required if Local Dimming is Other.	C	N	Text	Min Occurs: 0 Max Length: 1000	
<b>Viewable Screen Height (in)</b>		R	N	Decimal	No. of Decimal: 2	
<b>Viewable Screen Width (in)</b>		R	N	Decimal	No. of Decimal: 2	
<b>Diagonal Viewable Screen Size (in)</b>		R	N	Decimal	No. of Decimal: 2	
<b>Viewable Screen Area (sq in)</b>		R	N	Decimal	No. of Decimal: 2	
<b>External Power Supply (EPS)</b>	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>
<b>Features</b>	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: 23	<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 Reduction</li> <li>• Occupancy Sensor</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>• Motion Blur Reduction</li> <li>• Occupancy Sensor</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-Passive Mode</b>	Required for models tested in Standby-Passive Mode. Indicate the features enabled in the tested default Standby-Passive Mode.	R	Y	Enumeration Data	Min Occurs: 1 No. of Decimal: 6	<ul style="list-style-type: none"> <li>• Gesture Recognition</li> <li>• Internal Timer or Clock</li> <li>• Quick Start</li> <li>• Occupancy Sensor</li> <li>• Voice Recognition</li> <li>• Other</li> <li>• None</li> <li>• N/A</li> </ul>
<b>Features Enabled in Default Standby-Passive Mode Other</b>	Required if Features Enabled in Default Standby-Passive Mode is Other.	C	N	Text	Min Occurs: 0 Max Length: 1000	
<b>Features Enabled in</b>	Required for	R	Y	Enumeration	Min Occurs: 1 Max Occurs: 7	<ul style="list-style-type: none"> <li>• Gesture Recognition</li> </ul>

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
<b>Default Standby-Active, Low Mode</b>	models tested in Standby-Active, Low Mode. Indicate the features enabled in the tested default Standby-Active, Low Mode.			Data		<ul style="list-style-type: none"> <li>• Internal Timer or Clock</li> <li>• Quick Start</li> <li>• Occupancy Sensor</li> <li>• Voice Recognition</li> <li>• Wake-on-LAN</li> <li>• WoWLAN</li> <li>• Other</li> <li>• None</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>Full Network Connectivity</b>	Required for models tested in Standby-Active, Low Mode. Indicate whether the model meets the definition of Full Network Connectivity.	C	N	Enumeration	Min Occurs: 1 Max Occurs: 2	<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
<b>Features Enabled in Default Standby-Active, High Mode</b>	Required for models with a Standby-Active, High Mode. Indicate the features enabled in the tested default Standby-Active, High Mode.	R				<ul style="list-style-type: none"> <li>• Gesture Recognition</li> <li>• Internal Timer or Clock</li> <li>• Quick Start</li> <li>• Occupancy Sensor</li> <li>• Voice Recognition</li> <li>• Other</li> <li>• None</li> <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>

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
<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 interoperability protocols to receive and share multimedia supported by the model.	R	Y	Enumeration Data	Min Occurs: 1 Max Occurs: 3	<ul style="list-style-type: none"> <li>• DLNA</li> <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> </ul>

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
						• Other
<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 illuminance.	C	N		No. of Decimal: 1 Max Value: None	
<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</b>	Provide the Maximum On	R	N	Decimal	No. of Decimal: 1 Max Value: 125	

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
<b>Certification (W)</b>	Mode Power limit for the product plus high resolution allowance, if applicable.					
<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 (P <sub>standby-passive</sub> ) 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 appear on the ENERGY STAR list of certified products.	R	N	Decimal	No. of Decimal: 1 Max Value: 0.5	
<b>Measured Standby-Active, Low Mode Power (W)</b>	Provide the measured Standby-Active, Low Mode power (P <sub>standby-active, low</sub> ) in watts. Provide power use at 115 V.	R	N	Decimal	No. of Decimal: 1 Max Value: 3.0	

Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
<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	
<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)	C	Y	Enumeration Data	Min Occurs: 1 Max Occurs: 4	<ul style="list-style-type: none"> <li>• Download Channel Listing Information for Use by an Electronic Programming Guide</li> </ul>



Name	Description	Required/ Conditionally Required	Multiple Select	Data Type	Restrictions	Enumerations
	Present is Yes. Indicate which activities occur under DAM.					<ul style="list-style-type: none"> <li>• Monitor for Emergency Messaging/Communications</li> <li>• Otherwise Communicate Through a Network Protocol</li> <li>• Other</li> <li>• N/A</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. 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. Products with a physical ENERGY STAR mark affixed to the front or top of the TV may display alternate language.	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>