



## ENERGY STAR Small Network Equipment Template

**Description:** Information for certification bodies to provide to EPA on products certified as meeting the eligibility criteria for the ENERGY STAR® Program Requirements for Small Network Equipment Version 1.0. Additional instructions for submitting this information to EPA are available at [www.energystar.gov/qpx](http://www.energystar.gov/qpx).

Name	Description	Required/ Optional	Multiple Select	Data Type	Restrictions	Enumerations
<b>ENERGY STAR Core Data Requirements (Applicable to all ENERGY STAR Product Categories)</b>						
1 ENERGY STAR Manufacturing Partner	The ENERGY STAR Manufacturing Partner is the organization that has signed an ENERGY STAR Partnership Agreement and labels the model. This organization is typically the brand owner.	R	N	Text	Min Length: 1 Max Length: 80	
2 ENERGY STAR Manufacturing Partner's EPA-issued Organization ID	This EPA-issued ID is the number assigned to the ENERGY STAR Manufacturing Partner. This ID can be located via the certification body's My ENERGY STAR Account (MESA) and searching for the organization's name.	R	N	Integer		
3 Partner Contact Name for This Model	Provide the ENERGY STAR Manufacturing Partner contact responsible for this certified model.	R	N	Text	Min Length: 1 Max Length: 200	

<p>Type of Transaction</p>	<p>Include the Type of Transaction associated with the certified model. Only the options included in the enumeration list may be provided. Initial certification must only be used if the model has never been submitted and does not have an ENERGY STAR Model Identifier. Registration must only be used for select types of models where EPA allows certification bodies to add previously qualified models to their programs for purposes of verification testing only. Modification must be used for administrative changes, including rerating the model(s). Certification withdrawn must be used when the model is no longer certified as ENERGY STAR. Recertification will rarely be used and must be approved by EPA prior to the transaction.</p>	<p>R</p>	<p>N</p>	<p>Enumeration Data</p>	<ul style="list-style-type: none"> <li>• Initial Certification</li> <li>• Modification</li> <li>• Certification Withdrawn</li> <li>• Recertification</li> <li>• Registration</li> </ul>
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4

Reason for Transaction	<p>Include the Reason for Transaction associated with the Type of Transaction. Only the reasons included in the enumeration list may be provided. If "other" is provided, list further details in the notes field. The certification body will determine when it is appropriate to use the reasons associated with "Initial Certification," "Registration" or "Modification." The reasons "Manufacturer Voluntary Withdrawal" and "No Longer Available" may be determined by the certification body and must only be associated with the transaction type "Certification Withdrawn." For all other cases of "Certification Withdrawn" or "Recertification," EPA must determine the appropriate reason and provide direction to the certification body.</p>	R	N	Enumeration Data	<ul style="list-style-type: none"> <li>• Initial Certification: Model Meets ENERGY STAR Requirements</li> <li>• Registration: Included in Verification Testing Pool</li> <li>• Modification: Added Model Name/Number</li> <li>• Modification: Removed Model Name/Number</li> <li>• Modification: Changed Model Name/Number</li> <li>• Modification: Changed Data</li> <li>• Modification: Rerated Models</li> <li>• Modification: Other (If Other, List in Notes Field)</li> <li>• Certification Withdrawn: No Longer Available</li> <li>• Certification Withdrawn: Manufacturer Voluntary Withdrawal</li> <li>• Certification Withdrawn: Delisted - Issue with Partnership</li> <li>• Certification Withdrawn: Disqualified Model - Failed Testing</li> <li>• Certification Withdrawn: Other (If Other, List in Notes Field)</li> <li>• Recertification: Model Meets ENERGY STAR Requirements</li> <li>• Recertification: Other (If Other, List in Notes Field)</li> </ul>
Date of Transaction Type	<p>This date must be the same as the date when the Type of Transaction occurred. For example, the initial certification date must be the date the certification body notified the partner of model certification.</p>	R	N	Date	

5

6

ENERGY STAR Model Identifier	<p>ENERGY_STAR_Model_Identifier is a unique string of characters generated by certification bodies in accordance with EPA's ENERGY_STAR_Model_Identifier standard. ENERGY_STAR_Model_Identifier serves to distinguish models with non-identical performance characteristics. A unique ENERGY_STAR_Model_Identifier must be assigned to each set of performance data that represents a model. Models in a family, series, or DOE basic model group that differ by one or more performance characteristics must be assigned different and unique ENERGY_STAR_Model_Identifiers. ENERGY_STAR_Model_Identifier is different from Certification_ID or Family_ID, which may apply to several models that differ in terms of reported attributes. Naming convention is as follows: ES_ [[ManufacturerOID]]_ [[MODELNUMBER]]_ [[MMDDYYYYH24MISS]]_ [[7 Digit-randomnumber]]</p> <p>Note : Total Max length of this must not exceed 400 characters. [[ManufacturerOID]] = Provide Manufacturer EPA issued O_ID  [[MODELNUMBER]] = Provide Model Number of the model  [[MMDDYYYYH24MISS]] = Create date time string in the format where MM= month number, DD - Day number, YYYY = Year number, H24 hours (0-23), MI minute number, SS seconds. This typically indicates the date of certification, but there are no validations performed on it. [[7 Digit-random number]] = Provide a random number of seven digits.</p>	R	N	Text	Min Length: 1 Max Length: 400
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<p>Certification ID</p>	<p>Certification_ID is a unique string of characters generated by certification bodies in accordance with EPA's Certification_ID standard. Certification_ID serves to distinguish one or more models with differing performance characteristics under a single certification in order to track models associated with that certification. Naming convention for Certification_ID is as follows:  CER_[[ManufacturerOID]]_[[MMDDYYYYH24MISS]]_[[7 Digit-random number]] Note : Total Max length of this must not exceed 400 characters.  [[ManufacturerOID]] = Provide Manufacturer EPA issues O_ID, [[MMDDYYYYH24MISS]] = Create date time string in the format where MM= month number, DD - Day number, YYYY = Year number, H24 hours (0-23), MI minute number, SS seconds. This typically indicates the date of certification, but there are no validations performed on it. [[7 Digit-random number]] = Provide a random number of seven digits.</p>	<p>R</p>	<p>N</p>	<p>Text</p>	<p>Min Length: 1 Max Length: 400</p>	
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Family ID	<p>Family_ID is a unique string of characters generated by certification bodies in accordance with EPA's Family_ID standard. Family_ID serves to identify models under the same certification that are part of the same model family, series, or DOE basic model group. Family_ID may only be included for models where the ENERGY STAR specification supports families. *NOTE* Under a single certification, certification bodies may or may not have a Family_ID listed. A Family_ID must not be listed if the certification is comprised of only a single model. If there is a Family_ID listed, all models within the certification listed must also have the same Family_ID. Naming conventions for Family_ID are as follows:  FAM_[[ManufacturerOID]]_[[MMDDYYYYH24MISS]]_[[7 Digit-randomnumber]] Note : Total Max length of this must not exceed 400 characters.  [[ManufacturerOID]] = Provide Manufacturer EPA issues O_ID, [[MMDDYYYYH24MISS]] = Create date time string in the format where MM= month number, DD - Day number, YYYY = Year number, H24 hours (0-23), MI minute number, SS seconds. This typically indicates the date of certification, but there are no validations performed on it. [[7 Digit-randomnumber]] = Provide a random number of seven digits.</p>	O	N	Text	Max Length: 400	
Model Name	<p>Provide the Model Name of the certified model. If the certified model is part of a model family, include the family model name. The use of wildcards is allowed, but may limit the ability to search for a specific model name.</p>	R	N	Text	Min Length: 1 Max Length: 255	
Model Number	<p>Provide the Model Number of the certified model. If the certified model is part of a model family, include the family model number. The use of wildcards is allowed, but may limit the ability to search for a specific model name.</p>	R	N	Text	Min Length: 1 Max Length: 255	

12	Brand Name	Provide the model Brand Name in this field. To aid with consumer model searches, use consistent spelling, punctuation, and capitalization when providing brand names.	R	N	Text	Min Length: 1 Max Length: 200	
13	Tested Model Name	Provide the model name of the specific model that was tested. This will be the same as the Model Name unless this is a model family or private labeling submission.	R	N	Text	Min Length: 1 Max Length: 255	
14	Tested Model Number	Provide the model number of the specific model that was tested. This will be the same as the Model Number unless this is a model family or private labeling submission.	R	N	Text	Min Length: 1 Max Length: 255	
15	<b>Additional Models Represented by Family, Series, or DOE Basic Model</b>						
16	Additional Models Represented by Family, Series, or DOE Basic Model	Additional Models Represented by Family, Series, or DOE Basic Model allows the listing of multiple additional models that are part of the same certification where performance characteristics are the same. The additional models may be identified by multiple sets of a model name and/or model number and/or additional identifying information. Each uniquely identified additional model name/number/identifier set must be listed as a separate entry within this field and must not be a comma-separated list. The use of wildcards is allowed, but may limit the ability to search for specific additional model names/numbers/identifiers.	O	Y			
17	Additional Model Name	Provide each Additional Model Name as a separate data entry.	O	N	Text	Max Length: 255	
18	Additional Model Number	Provide each Additional Model Number as a separate data entry.	O	N	Text	Max Length: 255	

19	Additional Identifying Information	Provide any Additional Identifying Information associated with the Model Name and/or Model Number. The identifying information may be used by consumers, incentive programs, or retailers to identify this model or model family. This includes, but is not limited to, SKUs, UPC codes, retail numbers, and/or descriptions of models included/not included in the reported Model Family. Provide each Additional Identifying Information as a separate data entry.	O	N	Text	Max Length: 255	
20							
21	Is the Partner Listed the Original Equipment Manufacturer (OEM)?	Indicate whether or not the ENERGY STAR Manufacturing Partner that labels this model also manufactures this model.	R	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
22	If the Partner is not the Original Equipment Manufacturer, Who Is?	In the case that the manufacturer partner listed is not the original equipment manufacturer (OEM), provide the name of the OEM. The OEM is the organization that has manufactured the model.	O	N	Text	Max Length: 80	
23	Currently Available on Market?	If model is currently available, indicate "Yes." Otherwise, indicate "No." Note that all available models are displayed on an ENERGY STAR qualified product list and are subject to verification testing.	R	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
24	Date Available on Market	Date model is first sold within one or more markets.	R	N	Date		
25	Date Tested	Date of laboratory test. If multiple test reports, provide the most recent date.	R	N	Date		
26	Date Certification Body Notified Partner of Model Certification.	The date the certification body notifies the manufacturer that the model is certified as ENERGY STAR.	R	N	Date		
27	Certification Body Contact Name for this Model	The name of the primary certification body contact responsible for any questions concerning the certification of the model.	R	N	Text	Min Length: 1 Max Length: 200	
28	<b>Laboratory</b>						



29	Laboratory	Include information about one or more laboratories in which the model was tested.	O	Y			
30	Laboratory's EPA-issued Organization ID	This EPA-issued ID is the number assigned to the EPA-recognized laboratory that tested the model. This ID can be located via the certification body's My ENERGY STAR Account (MESA) and searching for the laboratory's name. This field is required for all certified models.	O	N	Integer		
31	Laboratory Contact for this Model	The name of the primary laboratory contact responsible for any questions concerning the testing of the model. This information is required for each laboratory indicated.	O	N	Text	Max Length: 200	
32	<b>Small Network Equipment Product-specific System Information</b>						
33	ENERGY STAR Specification Version		R	N	Enumeration Data		• 1.0
34	Product Type		R	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Broadband Modem - Cable</li> <li>• Broadband Modem - DSL</li> <li>• Optical Network Termination Device (ONT)</li> <li>• Integrated Access Device (IAD) - Cable</li> <li>• IAD - ADSL</li> <li>• IAD - VDSL</li> <li>• Access Point</li> <li>• Router</li> <li>• Switch</li> </ul>

Wireless Link Used for Testing	Required for Access Points. Indicate the wireless link used for the ENERGY STAR test per Table 4 or 5.	O	N	Enumeration Data	<ul style="list-style-type: none"> <li>• Single: IEEE 802.11ac, 5 GHz</li> <li>• Single: IEEE 802.11n, 5 GHz</li> <li>• Single: IEEE 802.11n, 2.4 GHz</li> <li>• Single: IEEE 802.11g, 2.4 GHz</li> <li>• Single: IEEE 802.11b, 2.4 GHz</li> <li>• Single: IEEE 802.11a</li> <li>• Simultaneous: IEEE 802.11n, 2.4 GHz; IEEE 802.11ac, 5GHz</li> <li>• Simultaneous: IEEE 802.11n, 2.4 GHz; IEEE 802.11n, 5 GHz</li> <li>• Simultaneous: IEEE 802.11g, 2.4 GHz; IEEE 802.11n, 5 GHz</li> <li>• Simultaneous: IEEE 802.11g, 2.4 GHz; IEEE 802.11a, 5 GHz</li> <li>• Simultaneous: IEEE 802.11b, 2.4 GHz, IEEE 802.11a, 5 GHz</li> </ul>
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36	Highest Data Rate for Test (Mb/s)	Select the highest supported Data Rate in Mb/s used during the ENERGY STAR test per Table 8 listed as "Downlink or Symmetric Link, Uplink."	R	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Downlink: 1.0; Uplink: 0.5</li> <li>• Downlink: 2.0, Uplink: 1.0</li> <li>• Downlink: 5.0, Uplink: 2.0</li> <li>• Downlink: 10, Uplink: 5.0</li> <li>• Downlink: 20, Uplink: 10</li> <li>• Downlink: 50, Uplink: 20</li> <li>• Downlink: 100, Uplink: 50</li> <li>• Downlink: 200, Uplink: 100</li> <li>• Downlink: 500, Uplink: 200</li> <li>• Other</li> </ul>
37	Highest Data Rate for Test Other (Mb/s)	Required if Highest Data Rate for Test (Mb/s) is Other. Indicate the highest downlink data rate used during the ENERGY STAR test method per Equation 1.	O	N	Decimal	No. of Decimal: 1	
38	Tested Input Voltage (Vac)	Required for ac powered models. Indicate the input voltage in Vac used during the ENERGY STAR test.	O	N	Enumeration Data		<ul style="list-style-type: none"> <li>• 115</li> <li>• 230</li> <li>• 100</li> </ul>
39	Tested Input Frequency (Hz)	Required for ac powered models. Indicate the input frequency in Hz used during the ENERGY STAR test.	O	N	Enumeration Data		<ul style="list-style-type: none"> <li>• 50</li> <li>• 60</li> </ul>
40	Power Supply	Indicate the available power supplies for the model.	R	Y	Enumeration Data		<ul style="list-style-type: none"> <li>• External Power Supply (Level I-IV Efficiency)</li> <li>• External Power Supply (Level V Efficiency)</li> <li>• Internal Power Supply</li> </ul>

41	Network Address Translation	Indicate whether Network Address Translation (NAT) is present in the model, enabled as default when shipped, and enabled during testing.	R	Y	Enumeration Data	<ul style="list-style-type: none"> <li>• Present in the Model</li> <li>• Enabled in As-Shipped Default State</li> <li>• Enabled During Testing</li> <li>• Not Present in the Model</li> <li>• Unknown</li> </ul>
42	IPv6 Networking	Indicate whether IPv6 networking is present in the model, enabled as default when shipped, and enabled during testing.	R	Y	Enumeration Data	<ul style="list-style-type: none"> <li>• Present in the Model</li> <li>• Enabled in As-Shipped Default State</li> <li>• Enabled During Testing</li> <li>• Not Present in the Model</li> <li>• Unknown</li> </ul>
43	DHCP Server	Indicate whether DHCP is present in the model, enabled as default when shipped, and enabled during testing	R	Y	Enumeration Data	<ul style="list-style-type: none"> <li>• Present in the Model</li> <li>• Enabled in As-Shipped Default State</li> <li>• Enabled During Testing</li> <li>• Not Present in the Model</li> <li>• Unknown</li> </ul>
44	IPSec	Indicate whether IPSec Status is present in the model, enabled as default when shipped, and enabled during testing	R	Y	Enumeration Data	<ul style="list-style-type: none"> <li>• Present in the Model</li> <li>• Enabled in As-Shipped Default State</li> <li>• Enabled During Testing</li> <li>• Not Present in the Model</li> <li>• Unknown</li> </ul>

45	SSID	Required for Integrated Access Devices, Routers with Wireless, and Access Points. Provide the SSID for the unit under test (UUT).	O	N	Text	Max Length: 1000	
46	Network Encryption Supported	Indicate network encryption standards supported by the model.	R	N	Text	Max Length: 1000	
47	Network Encryption As-Shipped	Indicate the network encryption in the model's as-shipped configuration.	R		Text	Max Length: 1000	
48	Additional UUT Wired Network Settings	Indicate any changes that were made to the model's as-shipped default state for the ENERGY STAR test. If no changes were made, indicate "N/A."	R	N	Text	Max Length: 1000	
49	Measured Idle Power (W)	Indicate the measured power in watts from the Idle S	R	N	Decimal	No. of Decimal: 3	
50	Calculated Average Power (W)	Indicate the Calculated Average Power $P_{avg}$ in watts per Equation 1.	R	N	Decimal	No. of Decimal: 1	
51	Maximum Average Power (W)	Indicate the Maximum Average Power calculation in watts per Equation 2 for the model.	R	N	Decimal	No. of Decimal: 1	
52	Measured WAN Power - Idle (W)	Required for Broadband Modems, Optical Network Termination Devices, and Integrated Access Devices. Indicate the measured power in watts from the Wired Network - WAN test with no data traffic.	O	N	Decimal	No. of Decimal: 3	
53	Measured WAN Power - Low (W)	Required for Broadband Modems, Optical Network Termination Devices, and Integrated Access Devices. Indicate the measured power in watts from the Wired Network - WAN test at 1.0 kb/s.	O	N	Decimal	No. of Decimal: 3	
54	Measured WAN Power - High (W)	Required for Broadband Modems, Optical Network Termination Devices, and Integrated Access Devices. Indicate the measured power in watts from the Wired Network - WAN test at the rates specified in Equation 1 or Table 8 of Section 7.1.	O	N	Decimal	No. of Decimal: 3	
55	Measured LAN Power - Idle (W)	Required for Integrated Access Devices, Routers, and Switches. Indicate the measured power in watts from the Wired Network - LAN test with half of available wired LAN ports populated and no data traffic.	O	N	Decimal	No. of Decimal: 3	

56	Measured LAN Power - Low (W)	Required for Integrated Access Devices, Routers, and Switches. Indicate the measured power in watts from the Wired Network - LAN test with half of available wired LAN ports populated at 1.0 kb/s.	O	N	Decimal	No. of Decimal: 3	
57	Measured LAN Power - High (W)	Required for Integrated Access Devices, Routers, and Switches. Indicate the measured power in watts from the Wired Network - LAN test with half of available wired LAN ports populated at the rates specified in Equation 1 or Table 8 of Section 7.1.	O	N	Decimal	No. of Decimal: 3	
58	Measured Wireless Power - Idle (W)	Required for Integrated Access Devices, Routers with Wireless, and Access Points. Indicate the measured idle power in watts from the Wireless Network - LAN test with no data traffic.	O	N	Decimal	No. of Decimal: 3	
59	Measured Wireless Power - Low (W)	Required for Integrated Access Devices, Routers with Wireless, and Access Points. Indicate the measured low data rate power in watts from the Wireless Network - LAN test at 1.0 kb/s.	O	N	Decimal	No. of Decimal: 3	
60	Measured Wireless Power - High (W)	Required for Integrated Access Devices, Routers with Wireless, and Access Points. Indicate the measured high data rate power in watts from the Wireless Network - LAN test at the rates specified in Equation 1 or Table 8 of Section 7.1.	O	N	Decimal	No. of Decimal: 3	

61	WAN Connections	Required for Modems and Integrated Access Devices. Indicate the WAN connections supported by the model.	O	Y	Enumeration Data		<ul style="list-style-type: none"> <li>• DOCSIS 1.1</li> <li>• DOCSIS 2.0</li> <li>• DOCSIS 3.0</li> <li>• DOCSIS 3.1</li> <li>• ADSL2</li> <li>• ADSL2+</li> <li>• ADSL2+M</li> <li>• VDSL</li> <li>• VDSL2</li> <li>• GPON</li> <li>• 1G-EPON</li> <li>• 10/1G-EPON</li> <li>• 10/10G-EPON</li> <li>• XG-PON1</li> <li>• Fibre Ptp Fast Ethernet</li> <li>• Fibre Ptp Gigabit Ethernet</li> <li>• CAT5e Ethernet (IEEE 802.3)</li> <li>• MoCA 1.X</li> <li>• MoCA 2.X</li> <li>• HPNA</li> <li>• WiMAX (802.16e)</li> <li>• 3G</li> <li>• LTE</li> <li>• Other</li> </ul>
62	WAN Connection Other	Required if WAN Connections is Other. Indicate the type of WAN connection(s).	O	N	Text	Max Length: 1000	
63	LAN Connections	Required for Integrated Access Devices, Routers, and Switches. Indicate the LAN connections supported by the model.	O	Y	Enumeration Data		<ul style="list-style-type: none"> <li>• CAT5e Ethernet (IEEE 802.3)</li> <li>• MoCA 1.X</li> <li>• MoCA 2.X</li> <li>• HPNA</li> <li>• WiMAX (802.16e)</li> <li>• WiFi</li> </ul>
64	LAN Connection Other	Required if LAN Connections is Other. Indicate the type of LAN connection(s).	O	N	Text	Max Length: 1000	

65	Number of 10/100/1000 Ethernet Ports	Indicate the number of 10/100/1000 Ethernet ports present in the model. If there are none, enter "0."	R	N	Integer		
66	Number of 10/100 Ethernet Ports	Indicate the number of 10/100 Ethernet ports present in the model. If there are none, enter "0."	R	N	Integer		
67	Number and Type of Other Ethernet Ports	Indicate the number and type of Ethernet ports other than 10/100 and 10/100/1000 that are present in the model. If there are none, enter "0."	R	N	Integer		
68	Number and Type of Other LAN Ports with Link Rate <= 100Mb/s	Required for Integrated Access Devices, Routers, and Switches. Indicate the number and type of other LAN Ports with Link Rate <= 100 Mb/s. If there are none, enter "0."	O	N	Integer		
69	Number and Type of Other LAN Ports with 100Mb/s < Link Rate <= 1000Mb/s	Required for Integrated Access Devices, Routers, and Switches. Indicate the number and type of other LAN Ports with 100Mb/s < Link Rate <= 1000Mb/s. If there are none, enter "0."	O	N	Integer		
70	Number and Type of Other LAN Ports with Link Rate > 1000Mb/s	Required for Integrated Access Devices, Routers, and Switches. Indicate the number and type of other LAN Ports with Link Rate > 1000 Mb/s. If there are none, enter "0."	O	N	Integer		
71	Energy Efficient Ethernet (EEE)	Indicate whether the model has EEE functionality.	R	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
72	Number of EEE Compliant Gigabit Ethernet Ports	Indicate the number of IEEE 802.3az compliant Gigabit Ethernet ports. If there are none, enter "0."	R	N	Integer		
73	Maximum Ethernet Throughput	Required for Modems, Optical Network Termination Devices, Switches, Routers and Integrated Access Devices. Indicate the maximum data rate in User Datagram Protocol data payload expressed in Mb/s.	O	N	Integer		



74	Wireless Technologies Supported	Indicate the wireless band and frequency supported by the model.	R	Y	Enumeration Data		<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> </ul>
75	Wireless Technologies Supported Other	Required if Wireless Technologies Supported is Other. Indicate the wireless band and frequency supported by the model.	O	N	Text	Max Length: 1000	
76	Simultaneous Instantaneous Frequency Band Support	Required for Integrated Access Devices, Switches, Routers, and Access Points. Indicate whether the product supports simultaneous instantaneous frequency bands.	O	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
77	Number of 5 GHz MIMO Download Spatial Streams	Required for Integrated Access Devices, Switches, Routers, and Access Points.	O	N	Integer		
78	Number of 5 GHz MIMO Upload Spatial Streams	Required for Integrated Access Devices, Switches, Routers, and Access Points.	O	N	Integer		
79	Number of 2.4 GHz MIMO Download Spatial Streams	Required for Integrated Access Devices, Switches, Routers, and Access Points.	O	N	Integer		
80	Number of 2.4 GHz MIMO Upload Spatial Streams	Required for Integrated Access Devices, Switches, Routers, and Access Points.	O	N	Integer		
81	Maximum Number of Wireless Clients	Required for Integrated Access Devices, Switches, Routers, and Access Points. Indicate the maximum number of wireless clients supported by the UUT.	O	N	Integer		
82	Maximum Number of NAT Clients	Indicate the maximum number of NAT clients supported by the UUT.	R	N	Integer		

83	Physical Data Ports	Indicate all Physical Data Ports.	R	Y	Enumeration Data		<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> </ul>
84	Physical Data Ports Other	Required if Physical Data Ports is Other. Indicate the physical data ports supported by the model.	O	N	Text	Max Length: 1000	
85	External Proxy Capability	Indicate the highest level of External Proxy capability provided by the model.	R	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Base Capability</li> <li>• Remote Wake</li> <li>• Service Discovery/Name Services</li> <li>• Full Capability</li> </ul>
86	Built-in Battery	Indicate whether the model contains a built-in battery.	R	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
87	Data Storage Device	Indicate whether the models includes an internal data storage device.	R	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
88	Equipment Ratings	Provide any special equipment ratings (e.g., IEC 61850 / IEC61000 and IEEE1613, KEMA).	R	N	Text	Max Length: 1000	
89	Telephony and VoIP	Indicate the available ports and telephony functional	R	Y	Enumeration Data		<ul style="list-style-type: none"> <li>• RJ 11</li> <li>• RJ 14</li> <li>• DECT</li> <li>• DECT Cat-iq</li> <li>• Emergency fall-back to analog telephone</li> <li>• None</li> </ul>
90	Low Power Wireless Technologies	Indicate whether the model supports low power wire	R	Y	Enumeration Data		<ul style="list-style-type: none"> <li>• Zigbee</li> <li>• Bluetooth</li> <li>• Other</li> <li>• None</li> </ul>
91	RF Modulator	Indicate whether the model has an RF modulator.	R	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
92	Software Compatibility	Indicate any available software compatible with the model.	R	N	Text	Max Length: 1000	

93	Service Providers	Required if model is distributed to consumers through service providers. Indicate each Service Provider to through which the model is distributed separated by commas.	O	N	Text	Max Length: 1000	
94	Model Sold at Retail		R	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
95	VPN	Indicate whether the model has the ability to run a virtual private network (VPN).	R	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
96	Firewall	Indicate whether the model is shipped with internal firewall capability.	R	N	Enumeration Data		<ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>