

Date: 27 July 2017

Name of Product: Lenovo XClarity Energy Manager

**Summary Table**  
**Voluntary Product Accessibility Template®**

| <b>Criteria</b>  | <b>Supporting Features</b> | <b>Remarks and explanations</b>               |
|--|----------------------------|---|
| Section 1194.21<br><a href="#">Software Applications and Operating Systems</a>     | Supports                   | Supported features are noted in the main VPAT |
| Section 1194.22<br><a href="#">Web-based Internet Information and Applications</a> | Supports                   | Supported features are noted in the main VPAT |
| Section 1194.23<br><a href="#">Telecommunications Products</a>                     | Not applicable             | Section is not applicable to this product.    |
| Section 1194.24<br><a href="#">Video and Multi-media Products</a>                  | Not applicable             | Section is not applicable to this product.    |
| Section 1194.25<br><a href="#">Self-Contained, Closed Products</a>                 | Not applicable             | Section is not applicable to this product.    |
| Section 1194.26<br><a href="#">Desktop and Portable Computers</a>                  | Not applicable             | Section is not applicable to this product.    |
| Section 1194.31<br><a href="#">Functional Performance Criteria</a>                 | Supports                   | Supported features are noted in the main VPAT |
| Section 1194.41<br><a href="#">Information, Documentation and Support</a>          | Not applicable             | Section is not applicable to this product.    |

**Section 1194.21 Software Applications and Operating Systems – Detail**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b>  |
|---|----------------------------|--|
| (a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.  | Supports                   | A keyboard can be used to achieve all tasks in the application, allowing blind and mobility impaired users to access information without the use of the mouse. |
| (b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as | Supports                   | Accessibility structure and descriptions are preserved.  |

**Section 1194.21 Software Applications and Operating Systems – Detail**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b>   |
|---|----------------------------|---|
| <p>accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.</p>   |                            |   |
| <p>(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.</p>             | Supports                   | <p>When using the application with a keyboard, users can tell where they are on the screen and the information is available to assistive technologies to communicate screen location to visually impaired users.</p>  |
| <p>(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text.</p> | Supports                   | <p>This software application allows a screen reader to describe the user interface environment and controls to a blind user. For example, if you tab through a form and find a radio button, the user would be able to determine it is a radio button and the current selection status of the button.</p> |
| <p>(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance.</p>   | Supports                   | <p>Images are not used.</p>   |
| <p>(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.</p>  | Supports                   | <p>Text information is accessible so assistive technologies can communicate content, attributes and caret location to blind users.</p>  |
| <p>(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>   | Supports                   | <p>System settings are inherited by the application so that customized preferences will not need to be continually reset. For example, color contrast settings enhanced for a low vision user would be preserved by the application.</p>  |
| <p>(h) When animation is displayed, the information shall be displayable in at least</p>  | Supports                   | <p>Application provides an option to display animation in a non-animated mode,</p>  |

**Section 1194.21 Software Applications and Operating Systems – Detail**

| <b>Criteria</b>  | <b>Supporting Features</b> | <b>Remarks and explanations</b>  |
|--|----------------------------|--|
| one non-animated presentation mode at the option of the user.  |                            | allowing users with vision impairments equal access to the same information and reliable interaction with assistive technology.  |
| (i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.   | Supports                   | Color is used only as an enhancement, and an alternate means to convey information or indicate an action is available to users with visual impairments.                            |
| (j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.  | Not applicable             | This software does not support adjusting color and contrast settings.  |
| (k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.   | Supports                   | The use of blinking text, objects or elements has been avoided, reducing risk of seizures for users with photosensitive epilepsy.  |
| (l) When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues. | Supports                   | When electronic forms are used, the application design allows assistive technology access to information, field elements, and functionality required to complete and submit forms. |

**Section 1194.22 Web-based Internet Information and Applications – Detail**

| <b>Criteria</b>  | <b>Supporting Features</b> | <b>Remarks and explanations</b>  |
|--|----------------------------|----------------------------------|
| (a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).                         | Not applicable             | Not applicable to this software. |
| (b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.   | Not applicable             | Not applicable to this software. |
| (c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup. | Not applicable             | Not applicable to this software. |

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|--|----------------|----------------------------------|
| (d) Documents shall be organized so they are readable without requiring an associated style sheet.   | Not applicable | Not applicable to this software. |
| (e) Redundant text links shall be provided for each active region of a server-side image map.  | Not applicable | Not applicable to this software. |
| (f) Client-side image maps shall be provided instead of server-side image maps except where the regions cannot be defined with an available geometric shape.   | Not applicable | Not applicable to this software. |
| (g) Row and column headers shall be identified for data tables.  | Not applicable | Not applicable to this software. |
| (h) Markup shall be used to associate data cells and header cells for data tables that have two or more logical levels of row or column headers.   | Not applicable | Not applicable to this software. |
| (i) Frames shall be titled with text that facilitates frame identification and navigation  | Not applicable | Not applicable to this software. |
| (j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.  | Not applicable | Not applicable to this software. |
| (k) A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the provisions of this part, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes. | Not applicable | Not applicable to this software. |
| (l) When pages utilize scripting languages to display content, or to create interface elements, the information provided by the script shall be identified with functional text that can be read by Assistive Technology.  | Not applicable | Not applicable to this software. |
| (m) When a web page requires that an applet, plug-in or other application be present on the client system to interpret page content, the page must provide a link to a plug-in or applet that complies with §1194.21(a) through (l).   | Not applicable | Not applicable to this software. |
| (n) When electronic forms are designed to be completed on-line, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.                       | Not applicable | Not applicable to this software. |

|   |                |                                  |
|---|----------------|----------------------------------|
| (o) A method shall be provided that permits users to skip repetitive navigation links.  | Not applicable | Not applicable to this software. |
| (p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required. | Not applicable | Not applicable to this software. |

**Section 1194.23 Telecommunications Products – Detail**

| <b>Criteria</b>  | <b>Supporting Features</b> | <b>Remarks and explanations</b>                        |
|--|----------------------------|--|
| (a) Telecommunications products or systems which provide a function allowing voice communication and which do not themselves provide a TTY functionality shall provide a standard non-acoustic connection point for TTYs. Microphones shall be capable of being turned on and off to allow the user to intermix speech with TTY use. | Not applicable             | Product is not a telecommunications product or system. |
| (b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.  | Not applicable             | Product is not a telecommunications product or system. |
| (c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.  | Not applicable             | Product is not a telecommunications product or system. |
| (d) Voice mail, messaging, auto-attendant, and interactive voice response telecommunications systems that require a response from a user within a time interval, shall give an alert when the time interval is about to run out, and shall provide sufficient time for the user to indicate more time is required.                   | Not applicable             | Product is not a telecommunications product or system. |
| (e) Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.   | Not applicable             | Product is not a telecommunications product or system. |
| (f) For transmitted voice signals, telecommunications products shall provide a gain adjustable up to a minimum of 20 dB. For incremental volume control, at least one intermediate step of 12 dB of gain shall be provided.  | Not applicable             | Product is not a telecommunications product or system. |

**Section 1194.23 Telecommunications Products – Detail**

| <b>Criteria</b>  | <b>Supporting Features</b> | <b>Remarks and explanations</b>                        |
|--|----------------------------|--|
| (g) If the telecommunications product allows a user to adjust the receive volume, a function shall be provided to automatically reset the volume to the default level after every use.   | Not applicable             | Product is not a telecommunications product or system. |
| (h) Where a telecommunications product delivers output by an audio transducer which is normally held up to the ear, a means for effective magnetic wireless coupling to hearing technologies shall be provided.  | Not applicable             | Product is not a telecommunications product or system. |
| (i) Interference to hearing technologies (including hearing aids, cochlear implants, and assistive listening devices) shall be reduced to the lowest possible level that allows a user of hearing technologies to utilize the telecommunications product.  | Not applicable             | Product is not a telecommunications product or system. |
| (j) Products that transmit or conduct information or communication, shall pass through cross-manufacturer, non-proprietary, industry-standard codes, translation protocols, formats or other information necessary to provide the information or communication in a usable format. Technologies which use encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery. | Not applicable             | Product is not a telecommunications product or system. |
| (k)(1) Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be tactilely discernible without activating the controls or keys.   | Not applicable             | The product is software.                               |
| (k)(2) Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be operable with one hand and shall not require tight grasping, pinching, twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2N) maximum.  | Not applicable             | The product is software.                               |
| (k)(3) Products which have mechanically operated controls or keys shall comply with  | Not applicable             | The product is software.                               |

**Section 1194.23 Telecommunications Products – Detail**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b> |
|---|----------------------------|---------------------------------|
| the following: If key repeat is supported, the delay before repeat shall be adjustable to at least 2 seconds. Key repeat rate shall be adjustable to 2 seconds per character.   |                            |                                 |
| (k)(4) Products which have mechanically operated controls or keys shall comply with the following: The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound. | Not applicable             | The product is software.        |

**Section 1194.24 Video and Multi-media Products – Detail**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b>      |
|---|----------------------------|--------------------------------------|
| a) All analog television displays 13 inches and larger, and computer equipment that includes analog television receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals. As soon as practicable, but not later than July 1, 2002, widescreen digital television (DTV) displays measuring at least 7.8 inches vertically, DTV sets with conventional displays measuring at least 13 inches vertically, and stand-alone DTV tuners, whether or not they are marketed with display screens, and computer equipment that includes DTV receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals. | Not applicable             | Product is not an analog television. |
| (b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.   | Not applicable             | Product is not a television tuner.   |



**Section 1194.24 Video and Multi-media Products – Detail**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b>  |
|---|----------------------------|--|
| (c) All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain speech or other audio information necessary for the comprehension of the content, shall be open or closed captioned. | Not applicable             | Product does not contain informational videos or multimedia productions, as specified. |
| (d) All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain visual information necessary for the comprehension of the content, shall be audio described.                         | Not applicable             | Product does not contain informational videos or multimedia productions, as specified. |
| (e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.   | Not applicable             | There are no alternate text presentations or audio descriptions.                       |

**Section 1194.25 Self-Contained, Closed Products – Detail**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b>          |
|---|----------------------------|--|
| (a) Self contained products shall be usable by people with disabilities without requiring an end-user to attach Assistive Technology to the product. Personal headsets for private listening are not Assistive Technology.          | Not applicable             | Product is not a self contained product. |
| (b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.   | Not applicable             | Product is not a self contained product. |
| (c) Where a product utilizes touchscreens or contact-sensitive controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).   | Not applicable             | Product is not a self contained product. |
| (d) When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided. | Not applicable             | Product is not a self contained product. |



**Section 1194.25 Self-Contained, Closed Products – Detail**

| <b>Criteria</b>  | <b>Supporting Features</b> | <b>Remarks and explanations</b>          |
|--|----------------------------|--|
| (e) When products provide auditory output, the audio signal shall be provided at a standard signal level through an industry standard connector that will allow for private listening. The product must provide the ability to interrupt, pause, and restart the audio at anytime.   | Not applicable             | Product is not a self contained product. |
| (f) When products deliver voice output in a public area, incremental volume control shall be provided with output amplification up to a level of at least 65 dB. Where the ambient noise level of the environment is above 45 dB, a volume gain of at least 20 dB above the ambient level shall be user selectable. A function shall be provided to automatically reset the volume to the default level after every use.   | Not applicable             | Product is not a self contained product. |
| (g) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.   | Not applicable             | Product is not a self contained product. |
| (h) When a product permits a user to adjust color and contrast settings, a range of color selections capable of producing a variety of contrast levels shall be provided.  | Not applicable             | Product is not a self contained product. |
| (i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.   | Not applicable             | Product is not a self contained product. |
| (j) (1) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: The position of any operable control shall be determined with respect to a vertical plane, which is 48 inches in length, centered on the operable control, and at the maximum protrusion of the product within the 48 inch length on products which are freestanding, non-portable, and intended to be used in one location and which have operable controls. | Not applicable             | Product is not a self contained product. |
| (j)(2) Products which are freestanding, non-portable, and intended to be used in one   | Not applicable             | Product is not a self contained product. |

**Section 1194.25 Self-Contained, Closed Products – Detail**

| <b>Criteria</b>  | <b>Supporting Features</b> | <b>Remarks and explanations</b>          |
|--|----------------------------|--|
| location and which have operable controls shall comply with the following: Where any operable control is 10 inches or less behind the reference plane, the height shall be 54 inches maximum and 15 inches minimum above the floor.  |                            |  |
| (j)(3) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is more than 10 inches and not more than 24 inches behind the reference plane, the height shall be 46 inches maximum and 15 inches minimum above the floor. | Not applicable             | Product is not a self contained product. |
| (j)(4) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Operable controls shall not be more than 24 inches behind the reference plane.   | Not applicable             | Product is not a self contained product. |

**Section 1194.26 Desktop and Portable Computers – Detail**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b> |
|---|----------------------------|---------------------------------|
| (a) All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through (4).   | Not applicable             | The product is software.        |
| (b) If a product utilizes touchscreens or touch-operated controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).   | Not applicable             | The product is software.        |
| (c) When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided. | Not applicable             | The product is software.        |
| (d) Where provided, at least one of each type of expansion slots, ports and   | Not applicable             | The product is software.        |

**Section 1194.26 Desktop and Portable Computers – Detail**

| <b>Criteria</b>  | <b>Supporting Features</b> | <b>Remarks and explanations</b> |
|--|----------------------------|---------------------------------|
| connectors shall comply with publicly available industry standards |                            |                                 |

**Section 1194.31 Functional Performance Criteria – Detail**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b>                              |
|---|----------------------------|--|
| (a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.  | Supports                   | Elements on user interface are keyboard accessible.          |
| (b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided. | Supports                   | Elements on user interface are keyboard accessible.          |
| (c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided   | Supports                   | Sound is not used.   |
| (d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.  | Supports                   | Sound is not used.   |
| (e) At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.   | Supports                   | User speech is not required.                                 |
| (f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions   | Supports                   | See the following for supporting features:<br>- 1194.21 a, b |

**Section 1194.31 Functional Performance Criteria – Detail**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b>  |
|---|----------------------------|--|
| and that is operable with limited reach and strength shall be provided. |                            | - 1194.22 l, p<br>- 1194.23 k1, k2, k3<br>- 1194.25 b, j1, j2, j3, j4<br>- 1194.26 d |

**Section 1194.41 Information, Documentation and Support – Detail**

| <b>Criteria</b>   | <b>Supporting Features</b> | <b>Remarks and explanations</b> |
|---|----------------------------|---------------------------------|
| (a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge  | Not applicable             | The product is software.        |
| (b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge. | Not applicable             | The product is software.        |
| (c) Support services for products shall accommodate the communication needs of end-users with disabilities.   | Not applicable             | The product is software.        |

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