

Version 1.6



## Voluntary Product Accessibility Template (VPAT)

Date: **January 15, 2019**

Product Name: **Autodesk® Maya®**

Product Version Number: **2019**

Vendor Company Name: **Autodesk**

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### APPENDIX A: Suggested Language Guide

| Summary Table<br>Voluntary Product Accessibility Template  |  |                          |
|--|--|--------------------------|
| <i>Criteria</i>  | Level of Support & Supporting Features | Remarks and explanations |
| Section 1194.21 Software Applications and Operating Systems  | Not Applicable                         | Not Applicable           |
| Section 1194.22 Web-based Internet Information and Applications  | Not Applicable                         | Not Applicable           |
| Section 1194.23 Telecommunications Products  | Not Applicable                         | Not Applicable           |
| Section 1194.24 Video and Multi-media Products   | Not Applicable                         | Not Applicable           |
| Section 1194.25 Self-Contained, Closed Products  | Not Applicable                         | Not Applicable           |
| Section 1194.26 Desktop and Portable Computers   | Not Applicable                         | Not Applicable           |
| Section 1194.31 Functional Performance Criteria  | Not Applicable                         | Not Applicable           |
| Section 1194.41 Information, Documentation and Support   | Not Applicable                         | Not Applicable           |
| Section 1194.21 Software Applications and Operating Systems - Detail<br>Voluntary Product Accessibility Template |  |                          |

| <i>Criteria</i>  | Level of Support & Supporting Features | Remarks and explanations   |
|--|--|--|
| (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 with exceptions               | Keyboard shortcuts are provided for some Menu commands.<br><br>Also, a command line allows the user to type in commands and other input.   |
| (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 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. | Supports with exceptions               | Autodesk Maya does not generally disrupt or disable the accessibility features of the Windows® operating system. The Magnifier works for all windows in the Maya interface. The Narrator works for window names in the Maya interface, but not other controls inside the window. |
| (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.   | Supports with exceptions               | User interface controls are visually highlighted to indicate focus. There is no programmatic means to change the focus.  |
| (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.   | Supports with exceptions               | Autodesk Maya provides information to the user via the Microsoft® Active Accessibility Application. Not all UI controls are accessible via the Narrator tool.  |
| (e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the   | Supports                               | Bitmap images and actions associated with them are consistent  |

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| <p>meaning assigned to those images shall be consistent throughout an application's performance.</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> | <p>Supports</p>                 | <p>A text window records the log of what is being done. Also, this log file can be saved.</p>   |
| <p>(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>  | <p>Does not support</p>         | <p>The Autodesk Maya application overrides high contrast and color selections. The user has only limited ability to change color settings of the interface</p>  |
| <p>(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.</p>   | <p>Supports with exceptions</p> | <p>Animation is created by the Maya application, and this has no equivalent means of viewing. There is no animation in the interface controls. Animated displays are included within the Maya Help System. The same information is documented with text and images.</p> |
| <p>(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.</p>  | <p>Supports with exceptions</p> | <p>Color-coding is not generally used as the only means of conveying information. The selection list however is color-coded, and some editors use color information to indicate animated channels and other status information.</p>                                     |
| <p>(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.</p>   | <p>Supports with exceptions</p> | <p>Autodesk Maya provides color settings for some parts of the interface, such as 3d views, and a wide variety of colors is available. The user has only limited ability to change color settings of application window.</p>  |

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| (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                 | Autodesk Maya does not use flashing or blinking text.  |
| (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 with exceptions | Some Microsoft Active Accessibility applications like the Magnifier can be used to access particulars of the components of a form/dialog box. The Microsoft Narrator works in a very limited way in Autodesk Maya. |

| Section 1194.22 Web-based Intranet and Internet information and Applications - Detail<br>Voluntary Product Accessibility Template                            |  |                          |
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| <i>Criteria</i>  | Level of Support & Supporting Features | Remarks and explanations |
| (a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).                                     | Not applicable                         |                          |
| (b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.   | Not applicable                         |                          |
| (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                         |                          |
| (d) Documents shall be organized so they are readable without requiring an associated style sheet.   | Not applicable                         |                          |
| (e) Redundant text links shall be provided for each active region of a server-side image map.  | Not applicable                         |                          |
| (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                         |                          |
| (g) Row and column headers shall be identified for data tables.  | Not applicable                         |                          |

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| (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 |  |
| (i) Frames shall be titled with text that facilitates frame identification and navigation  | Not applicable |  |
| (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 |  |
| (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 |  |
| (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 |  |
| (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 |  |
| (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 |  |
| (o) A method shall be provided that permits users to skip repetitive navigation links.   | Not applicable |  |
| (p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.  | Not applicable |  |

Section 1194.23 Telecommunications Products - Detail  
Voluntary Product Accessibility Template

| <i>Criteria</i>  | Level of Support & Supporting Features | Remarks and explanations |
|--|--|--------------------------|
| (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                         | Not Applicable           |
| (b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.  | Not Applicable                         | Not Applicable           |
| (c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.  | Not Applicable                         | Not Applicable           |
| (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                         | Not Applicable           |
| (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                         | Not Applicable           |
| (f) For transmitted voice signals, telecommunications products   | Not Applicable                         | Not Applicable           |

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| 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.   |                |                |
| (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 | Not Applicable |
| (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 | Not Applicable |
| (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 | Not Applicable |
| (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 | Not Applicable |
| (k)(1) Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall   | Not Applicable | Not Applicable |

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| be tactilely discernible without activating the controls or keys.   |                |                |
| (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 | Not Applicable |
| (k)(3) Products which have mechanically operated controls or keys shall comply with 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.   | Not Applicable | Not Applicable |
| (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 | Not Applicable |

| Section 1194.24 Video and Multi-media Products – Detail<br>Voluntary Product Accessibility Template  |  |                          |
|--|--|--------------------------|
| <i>Criteria</i>  | Level of Support & Supporting Features | Remarks and explanations |
| 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 | Not Applicable                         | Not Applicable           |



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| <p>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.</p> |                          |                                   |
| <p>(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.</p>  | Not Applicable           | Not Applicable                    |
| <p>(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.</p>  | Supports with exceptions | Some videos are closed captioned. |
| <p>(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.</p>  | Not Applicable           | Not Applicable                    |
| <p>(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.</p>  | Not Applicable           | Not Applicable                    |

Section 1194.25 Self-Contained, Closed Products – Detail  
Voluntary Product Accessibility Template

| <i>Criteria</i>  | Level of Support & Supporting Features | Remarks and explanations |
|--|--|--------------------------|
| (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                         | Not Applicable           |
| (b) 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           |
| (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                         | Not Applicable           |
| (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                         | Not Applicable           |
| (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                         | Not Applicable           |
| (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   | Not Applicable                         | Not Applicable           |

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| 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.  |                |                |
| (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 | Not Applicable |
| (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 | Not Applicable |
| (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 | Not Applicable |
| (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 | Not Applicable |
| (j)(2) 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 10 inches or less behind   | Not Applicable | Not Applicable |

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| 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 | Not Applicable |
| (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 | Not Applicable |

| Section 1194.26 Desktop and Portable Computers   |  |                          |
|--|--|--------------------------|
| <i>Criteria</i>  | Level of Support & Supporting Features | Remarks and explanations |
| (a) All mechanically operated controls and keys shall comply with 1194.23 (k) (1) through (4).   | Not Applicable                         | Not Applicable           |
| (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                         | Not Applicable           |
| (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 | Not Applicable                         | Not Applicable           |

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| characteristics, shall also be provided.   |                |                |
| (d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards | Not Applicable | Not Applicable |

| Section 1194.31 Functional Performance Criteria – Detail<br>Voluntary Product Accessibility Template  |  |   |
|---|--|---|
| <i>Criteria</i>   | Level of Support & Supporting Features | Remarks and explanations  |
| (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.  | Not applicable                         | The Microsoft Narrator only works on Maya window titles   |
| (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 with exceptions               | Keyboard shortcuts are provided for some Menu commands. Assistive Technology like the Magnifier can be used to provide enlarged print output. The application also supports a global scaling mode for text and user interface controls. |
| (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 with exceptions               | Audio is used in one feature of Maya which allows the user to work with a soundtrack for animation. For all other features, Maya does not require user hearing in order to operate the software.  |
| (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   | Supports with exceptions               | With the exception of the soundtrack feature, Maya does not require user hearing to operate the software  |

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| fashion, or support for assistive hearing devices shall be provided.  |                          |  |
| (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                 | Maya does not require user speech in order to operate the software.  |
| (f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.     | Supports with exceptions | Keyboard shortcuts are provided for some menu commands in Maya. In addition, the software can be customized to enhance access to particular functions, for example with larger controls. |

| Section 1194.41 Information, Documentation and Support – Detail<br>Voluntary Product Accessibility Template   |  |   |
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| <i>Criteria</i>   | Level of Support & Supporting Features | Remarks and explanations  |
| (a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge  | Supports                               | Support documentation is available, in text format only, on the Autodesk website.   |
| (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. | Supports                               | This document is posted on the Autodesk website at <a href="http://www.autodesk.com">http://www.autodesk.com</a> .<br><br>Search for “Section 508”. |
| (c) Support services for products shall accommodate the communication needs of end-users with disabilities.   | Supports                               | Support services options are available via webpage, e-mail, fax, or phone. Direct, in-person support is available through resellers.                |

#### **APPENDIX A (of the DoS VPAT/GPAT Checklist)**

#### **Suggested Language for Filling out the VPAT/GPAT**

In order to simplify the task of conducting market research assessments for procurement officials or customers, ITIC (Information Technology Industry Council) has developed suggested language for use when filling out a VPAT/GPAT. You may choose to employ all or some of the language below. Once you determine what language you

intend to use, we recommend that use is consistent throughout all of your VPAT/GPATs.

### **Supporting Features (Column 2 on VPAT/GPAT)**

#### **Supports**

Use this language when you determine the product fully meets the letter and intent of the Criteria.

#### **Supports with Exceptions**

Use this language when you determine the product does not fully meet the letter and intent of the Criteria, but provides some level of access relative to the Criteria.

#### **Supports through Equivalent Facilitation**

Use this language when you have identified an alternate way to meet the intent of the Criteria or when the product does not fully meet the intent of the Criteria.

#### **Supports when combined with Compatible AT**

Use this language when you determine the product fully meets the letter and intent of the Criteria when used in combination with Compatible AT. For example, many software programs can provide speech output when combined with a compatible screen reader (commonly used assistive technology for people who are blind).

#### **Does not Support**

Use this language when you determine the product does not meet the letter or intent of the Criteria.

#### **Not Applicable**

Use this language when you determine that the Criteria do not apply to the specific product.

#### **Not Applicable - Fundamental Alteration Exception Applies**

Use this language when you determine a Fundamental Alteration of the product would be required to meet the Criteria (see the access board standards for the definition of "fundamental alteration").

#### **IMPACT Outreach Center**

IRM Program for Accessible Computer/Communication Technology (IMPACT)

2025 E Street, N.W. (SA-9)

Washington, DC 20006

Email: [SECTION508@state.gov](mailto:SECTION508@state.gov)

Internet: <http://www.state.gov/m/irm/impact/index.htm>

Intranet: <http://impact.state.gov>