



Voluntary Product Accessibility Template (VPAT)

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Product Name: PolyWorks

Product Version Number: 2017

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APPENDIX A: Suggested Language Guide

Summary Table Voluntary Product Accessibility Template

Criteria	Level of Support & Supporting Features	Remarks and explanations
Section 1194.21 Software Applications and Operating Systems	Yes	See below
Section 1194.22 Web-based Internet Information and Applications	-	
Section 1194.23 Telecommunications Products	-	
Section 1194.24 Video and Multi-media Products	-	
Section 1194.25 Self-Contained, Closed Products	-	
Section 1194.26 Desktop and Portable Computers	-	
Section 1194.31 Functional Performance Criteria	-	
Section 1194.41 Information, Documentation and Support	-	

Section 1194.21 Software Applications and Operating Systems - Detail

Voluntary Product Accessibility Template

Criteria	Level of Support & Supporting Features	Remarks and explanations
<p>(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.</p>	Keyboard input / text output	<p>Input :The majority of standard Windows keyboard shortcuts can be used in the application, such as the ALT key to access the main menu. It is possible to access almost all functionalities through the main menu. Only </p>
<p>(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.</p>	Accept accessibility features	<p>We do not block accessibility features, but certain features do not work very well in the context of our applications.</p> <p>Tool Magnifier: functional On-screen keyboard: functional Sticky keys: functional Mouse keys: functional, except for the 3D scene High contrast: functional, except in 3D* Alternative mouse pointers: functional Narrator: partially functional Alternative for sounds: not </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>	Expose input focus	<p>Since we mostly use standard Windows controls and windows, focus display is as described by the operating system. However, focus changes are not available for Assistive Technology (AT).</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>	Provide interface information	<p>Since we mostly use standard Windows controls and windows, their names and statuses are, for the most part, accessible to ATs. However, several image and icon descriptions are not available </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>	<p>Use images consistently</p>	<p>We have a committee that ensures that images/icons are consistent.</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>Provide textual information</p>	<p>A description of each of the functionalities is displayed in text in the status bar when the user is focused on the menu item. A complementary description is also offered as a </p>
<p>(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>	<p>Accept display attributes</p>	<p>We use the operating system's colors by default, but this may change in the near future with a </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>Provide non-animated mode</p>	<p>Menu animation can be deactivated, like the "automatic viewpoint" in the 3D scene. Animation that cannot be </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>Supplement color coding</p>	<p>All colors in the application can be customized. The colors used to display the status of measurement objects are accompanied with </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>Providing color selection</p>	<p>Colors in the application can be customized</p>
<p>(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.</p>	<p>Avoid flashing or blinking</p>	<p>These techniques are not used in our applications.</p>
<p>(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.</p>	<p>Providing electronic forms</p>	<p>A number of interfaces are accessible to AT, but not all.</p>

Section 1194.22 Web-based Intranet and Internet information and Applications - Detail
Voluntary Product Accessibility Template

Criteria	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).		
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.		
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.		
(d) Documents shall be organized so they are readable without requiring an associated style sheet.		
(e) Redundant text links shall be provided for each active region of a server-side image map.		
(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.		
(g) Row and column headers shall be identified for data tables.		
(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.		
(i) Frames shall be titled with text that facilitates frame identification and navigation		

Accessibility to PolyWorks and its modules

Our tools can be customized:

- The colors can be changed
- All the colors available in Windows can be used
- Icon size and image are adjustable
- Text size, color, and font is adjustable
- Menus, toolbars, and keyboard shortcuts can be configured
- Scripted functionalities can be adjusted to menus and toolbars; these scripts can be used to give access to functionalities that may otherwise be difficult to access
- Measurement operations can be accompanied by instructions that guide the user and can be customized for each object (text and image)

Many of our users use our tools when away from the computer to control acquisition devices. Technologies adapted for this situation were therefore made available. These technologies can also be useful in the context of accessibility.

- X-Large icons are available
- Large font sizes are supported
- Information messages can be oversized (windows, text, and buttons)
- A “speech recognition” tool has been integrated and can be used to access each functionality, and well as their configuration, via our scripting language. This may be useful in giving access to functionalities that may otherwise be difficult to access.

A specialized zoom tool has also been integrated into the 3D scene (PolyZoom). This facilitates the viewing of small elements and reduces the precision needed for certain manual operations with the mouse pointer.

Section 1194.21 Software Applications and Operating Systems

Criteria	Level of support
a) Keyboard input / text output	<p>Input : The majority of standard Windows keyboard shortcuts can be used in the application, such as the ALT key to access the main menu.</p> <p>It is possible to access almost all functionalities through the main menu. Only a few probing toolbar functionalities are not accessible from that menu. Incidentally, a project aimed at doing just that has been planned.</p> <p>Navigating from one control to the next is generally possible with the help of standard keyboard keys, but certain parts are sometimes inaccessible. Navigation from one pane to another is not possible using the keyboard.</p>

	<p>Manipulations in the 3D scene are not possible using the keyboard.</p> <p>Output : All information, warning, and error messages are presented in text format via dialog boxes.</p>
b) Accept accessibility features	<p>We do not block accessibility features, but certain features do not work very well in the context of our applications.</p> <p><u>Tool</u> Magnifier: functional On-screen keyboard: functional Sticky keys: functional Mouse keys: functional, except for the 3D scene High contrast: functional, except in 3D* Alternative mouse pointers: functional Narrator: partially functional Alternative for sounds: not functional</p> <p>* Colors in the 3D scene are customizable and we offer a sufficient amount of color choices, so a strong contrast is possible.</p>
c) Expose input focus	<p>Since we mostly use standard Windows controls and windows, focus display is as described by the operating system. However, focus changes are not available for Assistive Technology (AT).</p>
d) Provide interface information	<p>Since we mostly use standard Windows controls and windows, their names and statuses are, for the most part, accessible to ATs.</p> <p>However, several image and icon descriptions are not available to assistive technology. This information is, however, available via reference PDF files. These files can be read by AT thanks to Adobe Acrobat Reader.</p> <p>Incidentally, all the functionalities are documented and available via PDF file. The F1 key allows users to access the pertinent documentation based on what the user is focused on, and opens the documentation directly to the most pertinent section.</p> <p>Measurement operations can be accompanied by instructions that guide the user and can be customized for each object (text and image).</p>
e) Use images consistently	<p>We have a committee that ensures that images/icons are consistent.</p>
f) Provide textual information	<p>A description of each of the functionalities is displayed in text in the status bar when the user is focused on the menu item. A complementary description is also offered as a tooltip for buttons with an icon.</p>

	<p>A vast majority of text is displayed using the operating system's display technologies (e.g., Windows controls). Textual information is partially accessible to AT.</p> <p>Text display can be customized in all the interfaces, including in the 3D scene. Text size, font, and color can be adjusted.</p>
g) Accept display attributes	We use the operating system's colors by default, but this may change in the near future with a user interface "makeover".
h) Provide non-animated mode	<p>Menu animation can be deactivated, like the "automatic viewpoint" in the 3D scene.</p> <p>Animation that cannot be deactivated is rare.</p>
i) Supplement color coding	<p>All colors in the application can be customized. The colors used to display the status of measurement objects are accompanied with complementary text indicators.</p> <p>Exception: The pass/warning/fail status of measurement objects in the project tree view is only represented by a change in color, but this information can easily be deduced from the control status that is available in text.</p>
j) Providing color selection	Colors in the application can be customized.
k) Avoid flashing or blinking	These techniques are not used in our applications.
l) Providing electronic forms	A number of interfaces are accessible to AT, but not all.

Section 1194.22 Web-based Internet Information and Applications

Used to document commands in our scripting language; documentation for programmers only.