

Surfer Voluntary Product Accessibility Template (VPAT) Version 2.4

The purpose of the Voluntary Product Accessibility Template® (VPAT™) is to assist Federal contracting officials and other buyers in making preliminary assessments regarding the availability of commercial "Electronic and Information Technology" products and services with features that support accessibility. More information on the specific standards used can be found here: <https://www.access-board.gov/ict/#501-general> and <https://www.w3.org/TR/WCAG20/>

Date: 17 September 2021

Name of Product: Surfer 22

Product Description: Golden Software's **Surfer** software is a full-function 3D visualization, contouring and surface modeling package that runs under Microsoft Windows. **Surfer** is used extensively for terrain modeling, landscape visualization, surface analysis, contour mapping, 3D surface mapping, gridding, volumetrics, and more.

Contact for more Information: 1-303-279-1021 or sales@goldensoftware.com

The following three tables follow the VPAT™ template to provide a summary of the Web Content Accessibility Guidelines (WCAG) 2.1 and Section 508 Standards that pertain to software products:

[Web Content Accessibility Guidelines](#)

[Section 508 Chapter 5: Software](#)

[Section 508 Chapter 6: Support](#)

Important Note About This Analysis

Golden Software's **Surfer** application is a data and mapping visualization tool. Many aspects of how users interact with the application are through dialogs that set parameters and define properties. These have a high degree of accessibility, and users can build simple to complex maps using the settings in these dialogs. The maps that are built in **Surfer** are user-dependent, meaning that a user can add any number of objects to a map, such as points, legends, layers, scales, etc... Most objects that can be added to a map do not have a high degree of accessibility. For example, you cannot tab thru objects in a map. You can access each object from a list of map objects in a contents window that holds and allows users to manage objects in a

map. The refinement of the objects in the map, for example their placement or sizing, does not have a high degree of accessibility.

Guidelines (WCAG) 2.0 (Level A and AA, Level AAA is not evaluated)

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Does not support	Surfer contains three sets of help documentation, and one of them, the online HTML help, does not contain alt text for most images. Many images, such as buttons, are evident by their context in specific steps or instructions, and the images of dialogs and other important references have image captions.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Not Applicable	
1.2.2 Captions (Prerecorded) (Level A)	Not Applicable	
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Not Applicable	
1.2.4 Captions (Live) (Level AA)	Not Applicable	
1.2.5 Audio Description (Prerecorded) (Level AA)	Not Applicable	
1.3.1 Info and Relationships (Level A)	Does not support	Component labels for another component are frequently not discernible using assistive technology.
1.3.2 Meaningful Sequence (Level A)	Partially Supports	When meaning is affected by the sequence of elements in context, Surfer usually presents a sequentially meaningful context; however some information sequences are dependent on a functional complexity that programmatic approaches may not be able to predict.
1.3.3 Sensory Characteristics (Level A)	Supports	
1.3.4 Orientation (Level AA)	Supports	
1.3.5 Identify Input Purpose (Level AA)	Supports	
1.4.1 Use of Color (Level A)	Partially Supports	The vast majority of times that color references are used, other methods, such as the text name of the color, are used. However, there are some features in Surfer as a data visualization and mapping tool that use colors as colors, without a text references or other accessibility option.

1.4.2 Audio Control(Level A)	Not Applicable	
1.4.3 Contrast (Minimum) (Level AA)	Partially Supports	Surfer uses standard Windows API controls for our input from users that work with Windows assistive technology by default.
1.4.4 Resize text(Level AA)	Partially Supports	Surfer uses standard Windows API controls for our input from users that work with Windows assistive technology by default.
1.4.5 Images of Text(Level AA)	Supports	The application does not use images of text.
1.4.7 Low or No Background Audio	Supports	
1.4.10 Reflow (Level AA)	Supports	
1.4.11 Non-text Contrast (Level AA)	Supports	
1.4.12 Text Spacing (Level AA)	Supports	
1.4.13 Content on Hover or Focus (Level AA)	Supports	
2.1.1 Keyboard(Level A)	Supports	
2.1.2 No Keyboard Trap (Level A)	Supports	
2.2.2 Pause, Stop, Hide	Supports	
2.1.4 Character Key Shortcuts (Level A)	Does not support	
2.2.1 Timing Adjustable (Level A)	Not Applicable	
2.2.2 Pause, Stop, Hide (Level A)	Supports	
2.3.1 Three Flashes or Below Threshold(Level A)	Supports	
2.4.1 Bypass Blocks(Level A)	Not Applicable	
2.4.2 Page Titled(Level A)	Supports	
2.4.3 Focus Order(Level A)	Supports	
2.4.4 Link Purpose (In Context)(Level A)	Supports	
2.4.5 Multiple Ways(Level AA)	Not Applicable	
2.4.6 Headings and Labels (Level AA)	Supports	
2.4.7 Focus Visible(Level AA)	Supports	

2.5.1 Pointer Gestures (Level A)	Supports	
2.5.2 Pointer Cancellation (Level A)	Supports	
2.5.3 Label in Name (Level A)	Not supported	There are dialogs in the Surfer user interface that do not clearly associate a label name with a related object or component.
2.5.4 Motion Actuation (Level A)	Not Applicable	
3.1.1 Language of Page (Level A)	Not Applicable	The only human language in Surfer's user interface and web based information is English.
3.1.2 Language of Parts (Level AA)	Not Applicable	The only human language in Surfer's user interface and web based information is English.
3.2.1 On Focus(Level A)	Supports	
3.2.2 On Input(Level A)	Supports	
3.2.3 Consistent Navigation (Level AA)	Not Supported	
3.2.4 Consistent Identification(Level AA)	Supports	
3.3.1 Error Identification (Level A)	Supports	
3.3.2 Labels or Instructions (Level A)	Supports	
3.3.3 Error Suggestion (Level AA)	Supports	
3.3.4 Error Prevention (Legal, Financial, Data)(Level AA)	Not applicable	Surfer has no financial transactions or opportunities to enter into legal agreements. Potential Surfer upgrades and changes in licensing occur in a different application.
4.1.1 Parsing(Level A)	Supports	
4.1.2 Name, Role, Value (Level A)	Partially Supports	Surfer web-based help supports this requirement. Most of Surfer's user interface elements' information is available programmatically thru assistive technology. Some object's states or other information is not discernible programmatically, such as the object type.
4.1.3 Status Messages (Level AA)	Not Supported	

Section 508 Chapter 5: Software

Criteria	Conformance Level	Remarks and Explanations
502 Interoperability with Assistive Technology	See WCAG 2.0 section	See the WCAG section for web related components of this software.
502.2.1 User Control of Accessibility Features	Supports	The user has full control over all accessibility features.
502.2.2 No Disruption of Accessibility Features	Supports	There is no disruption of accessibility features.
<i>502.3 Accessibility Services</i>		
502.3.1 Object Information	Partially supports	Most user interface elements' information is available programmatically thru assistive technology. Some object's states or other information is not discernible programmatically, such as the object type.
502.3.2 Modification of Object Information	Partially supports	Users can set the values of and engage in the manipulation of most user interface elements. Some user interface elements cannot be set programmatically.
502.3.3 Row, Column, and Headers	Does not support	
502.3.4 Values	Partially supports	Values for objects can be determined programmatically, but not all objects' value ranges can be determined programmatically
502.3.5 Modification of Values	Partially supports	The values of most user interface elements can be set programmatically.
502.3.6 Label Relationships	Does not support	Component labels for another component are frequently not discernible using assistive technology.
502.3.7 Hierarchical Relationships	Partially supports	Most hierarchical relationships can be determined using assistive technology
502.3.8 Text	Partially supports	Most text objects contents and locations are accessible information.
502.3.9 Modification of Text	Partially supports	Most text values than can be set, can be set using assistive technology.
502.3.10 List of Actions	Does not support	Lists of actions that can be performed on an object are often not programmatically determinable, and the object type (e.g. button, check box) may not available to assistive technology.
502.3.11 Actions on Objects	Partially supports	Most actions that can be taken on objects can be done using assistive technology. However some objects' actions cannot be accessed via assistive technology.
502.3.12 Focus Cursor	Partially supports	Where, applicable, cursor location shows a visual focus and a name focus if using assistive technology. However, the object type (e.g. button, check box) may not available to assistive technology.

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502.3.13 Modification of Focus Cursor	Partially supports	For most applicable cursor locations, Surfer shows a visual focus and a name focus if using assistive technology.
502.3.14 Event Notification	Partially supports	For events that are notification worthy, assistive technology can assess those events. Not all events, such as updating a value in a dialog, have notifications. A user could use assistive technology to verify these types of events.
502.4 Platform Accessibility Features	Not applicable	Surfer is not platform software.
<i>503 Applications</i>		
503.2 User Preferences	Partially supports	Surfer uses standard Windows API controls for our input from users that work with Windows assistive technology by default.
503.3 Alternative User Interfaces	Not applicable	No alternative user interface provided.
<i>503.4 User Controls for Captions and Audio Description</i>	Not applicable	No audio included in the software
503.4.1 Caption Controls	Not applicable	No audio included in the software
503.4.2 Audio Description Controls	Not applicable	No audio included in the software
<i>504 Authoring Tools</i>	Not applicable	Not applicable
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	Not applicable	Not applicable
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not applicable	Not applicable
504.2.2 PDF Export	Not applicable	Not applicable
504.3 Prompts	Not applicable	Not applicable
504.4 Templates	Not applicable	Not applicable

Section 508 Chapter 6: Support

Criteria	Conformance Level	Remarks and Explanations
<i>601.1 Scope</i>		
<i>602 Support Documentation</i>	Supports	Digital documentation is available within Surfer. This doc-

Criteria	Conformance Level	Remarks and Explanations
		umentation is also available through the Golden Software website
602.2 Accessibility and Compatibility Features	See WCAG 2.0 section	A help topic describing accessibility features is being developed for the next release.
602.3 Electronic Support Documentation	Partially supports	Some web-based and self service support, such as HTML-based help, does not have fully accessible alternative text for images or other object when using read-out-loud assistive tools.
602.4 Alternate Formats for Non-Electronic Support Documentation	Supports	Provided by calling technical support
<i>603 Support Services</i>		
603.2 Information on Accessibility and Compatibility Features	Does not yet support	A help topic describing accessibility features is being developed for the next release.
603.3 Accommodation of Communication Needs	Supports	Support services is provided directly to the user over the telephone or via email.