



Section 508 Voluntary Product Accessibility Compliance

GENESIS64™ Product Suite

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An ICONICS Whitepaper
www.iconics.com



Contents

1. <i>Executive Summary</i>	3
1.1. ICONICS Tools Help Achieve Standards Compliance	3
1.2. Compliance information	3
1.3. Voluntary Product Accessibility Template (VPAT) Format	3
2. <i>ICONICS GENESIS64 Product Suite – Compliance with Section 508 Voluntary Product Accessibility Template</i>	4
2.1. Summary Table	4
Section 1194.21 Software Applications and Operating Systems — Detail	5
Section 1194.22 Web-based Intranet and Internet Information and Applications — Detail	8
Section 1194.24 Video and Multimedia Products — Detail	10
Section 1194.31 Functional Performance Criteria — Detail	11
Section 1194.41 Information, Documentation, and Support — Detail	13
3. <i>Contact Information</i>	14

1. Executive Summary

ICONICS is a leading provider of award-winning enterprise real-time manufacturing intelligence and plant floor information, visualization, and automation solutions. With more than 350,000 installations and servicing 70 percent of Fortune 500 manufacturers, ICONICS' software products have delivered value to thousands of customers worldwide.

1.1. ICONICS Tools Help Achieve Standards Compliance

Choose software that will help you meet accessibility standards and produce accessible content. ICONICS offers compliance information for products that specify the details of applicable standards and outline the accessibility features of various products.

1.2. Compliance information

Compliance information is provided for most ICONICS products. Products listed on this page all have a Voluntary Product Accessibility Template (VPAT) that details all the regulations of the U.S. Section 508 accessibility standard and explains how a given product helps comply with each provision.

The purpose of the Voluntary Product Accessibility Template is to assist federal contracting officials in making preliminary assessments regarding the availability of commercial electronics and information technology products and services with features that support accessibility. It is assumed that providers will supply additional contact information to facilitate more detailed inquiries.

1.3. Voluntary Product Accessibility Template (VPAT) Format

The first table of the template provides a summary view of the Section 508 Standards. The subsequent tables provide more detailed views of each subsection. There are three columns in each table. Column one of the Summary Table describes the subsections of subparts B and C of the standards. The second column describes the supporting features of the product or refers to the corresponding detailed table, "e.g., equivalent facilitation." The third column contains any additional remarks and explanations regarding the product. In the subsequent tables, the first column contains the lettered paragraphs of the subsections. The second column describes the supporting features of the product with regard to that paragraph. The third column contains any additional remarks and explanations regarding the product.

2. ICONICS GENESIS64 Product Suite – Compliance with Section 508 Voluntary Product Accessibility Template

Date: August 15, 2017

Name of product: ICONICS GENESIS64 Suite

Contact for more information: info@iconics.com

2.1. Summary Table

Guideline	Applicable	Compliance
Section 1194.21 Software Applications and Operating Systems	Applicable	
Section 1194.22 Web-Based Intranet and Internet Information and Applications	Applicable	
Section 1194.23 Telecommunications Products	Not applicable	
Section 1194.24 Video and Multimedia Products	Applicable	
Section 1194.25 Self-Contained, Closed Products	Not applicable	
Section 1194.26 Desktop and Portable Computers	Not applicable	
Section 1194.31 Functional Performance Criteria	Applicable	
Section 1194.41 Information, Documentation, and Support	Applicable	

Section 1194.21 Software Applications and Operating Systems — Detail		
Criteria	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	All user interface controls and functions in ICONICS GENESIS64 Suite can be executed via the keyboard with some exceptions including: • Advanced graphical manipulation in GraphWorX64 • Trend manipulation in TrendWorX64 • Alarm manipulation and acknowledgement • Contextual ribbon and menu activation • Advanced Workbench features
(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	ICONICS GENESIS64 Suite does not disrupt or disable Windows® operating system accessibility features such as filter keys, toggle keys, sticky keys, and the on-screen keyboard.

(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	There is a well-defined indication of focus for the ICONICS interface using standard highlighting and bounding boxes.
(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	ICONICS GENESIS64 Suite provides identity, operation, and state information to Assistive Technology throughout the interface.
(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.	Supports	ICONICS GENESIS64 Suite provides consistent symbolic representation of options and commands throughout the product suite.
(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.	Supports	In most cases ICONICS GENESIS64 Suite provides text content, caret location, and attributes.
(g) Applications shall not override user-selected contrast and color selections and other individual display attributes.	Supports with Exceptions	Elements in the ICONICS GENESIS64 Suite interface inherit user selected color, contrast, and font settings with exceptions in some ribbon UI components.

(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Supports	GENESIS64 Suite supports a non-animated presentation mode for all windows forms.
(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	Multiple means of conveying information, indicating an action, prompting a response, or distinguishing a visual element are used throughout the GENESIS64 Suite.
(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.	Supports	ICONICS GENESIS64 Suite allows users to change Windows OS theme colors to provide varying levels of contrast.
(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	Flashing and blinking text is not included in the ICONICS GENESIS64 Suite user interface.
(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	

Section 1194.22 Web-based Intranet and Internet Information and Applications — Detail		
Criteria	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	
(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	ICONICS provides web pages as HTML5 content
(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	

Note to 1194.22: The Board interprets paragraphs (a) through (k) of this section as consistent with the following Priority 1 checkpoints of the Web Content Accessibility Guidelines 1.0 (WCAG 1.0) (May 5, 1999) published by the Web Accessibility Initiative of the World Wide Web Consortium: Paragraph (a) – 1.1, (b) – 1.4, (c) – 2.1, (d) – 6.1, (e) – 1.2, (f) – 9.1, (g) – 5.1, (h) – 5.2, (i) – 12.1, (j) – 7.1, (k) – 11.4.

Section 1194.24 Video and Multimedia Products — Detail		
Criteria	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 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	ICONICS GENESIS64 Suite does not include any display hardware.
(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.	Not applicable	ICONICS GENESIS64 Suite does not include any television tuner hardware.
(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 Supported	ICONICS GENESIS64 Related videos do not include captioning.

(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 Supported	ICONICS GENESIS64 Related videos are not audio described.
(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.	Not Supported	

Section 1194.31 Functional Performance Criteria — Detail		
Criteria	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 Supported	
(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.	Not Supported	
(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	There are no necessary configuration nor runtime aspects requiring audio or audio acknowledgement.

(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	ICONICS GENESIS64 allows visual cues to accompany audio cues when configured.
(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	There are no necessary configuration nor runtime aspects requiring user speech.
(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	Certain advanced configuration options may require fine motor control.

Section 1194.41 Information, Documentation, and Support — Detail		
Criteria	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	ICONICS provides electronic versions of all product support documentation.
(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 Supported	
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	Product support for GENESIS64 products is available in a variety of formats and from a number of online sources available from ICONICS.

3. Contact Information

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Founded in 1986, ICONICS is an award-winning independent software provider offering real-time visualization, HMI/SCADA, energy management, fault detection, manufacturing intelligence, MES, and a suite of analytics solutions for operational excellence. ICONICS solutions are installed in 70 percent of the Fortune 500 companies around the world, helping customers to be more profitable, agile and efficient, to improve quality, and to be more sustainable.

ICONICS is leading the way in cloud-based solutions with its HMI/SCADA, analytics, mobile and data historian to help its customers embrace the Internet of Things (IoT). ICONICS products are used in manufacturing, building automation, oil and gas, renewable energy, utilities, water and wastewater, pharmaceuticals, automotive, and many other industries. ICONICS' advanced visualization, productivity, and sustainability solutions are built on its flagship products: GENESIS64™ HMI/SCADA, Hyper Historian™ plant historian, AnalytiX® solution suite, and MobileHMI™ mobile apps. Delivering information anytime, anywhere, ICONICS' solutions scale from the smallest standalone embedded projects to the largest enterprise applications.

ICONICS promotes an international culture of innovation, creativity, and excellence in product design, development, technical support, training, sales, and consulting services for end users, systems integrators, OEMs, and channel partners. ICONICS has over 350,000 applications installed in multiple industries worldwide.

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