



Section 508 Rehabilitation Act Voluntary Product
Accessibility

Embarcadero Delphi® and C++Builder® Products

October 2009

Overview

This document assesses the Embarcadero Delphi® and C++Builder® developer products. In order to assess this product, a set of task deemed critical functions of the product were performed. The findings of those evaluations are contained in the Voluntary Product Accessibility Template (VPAT). This information is current as of October 2009.

CRITERIA	REMARKS AND EXPLANATIONS
Section 1194.21 Software Applications and Operating Systems Accessibility	See Section 1194.21 below
Section 1194.22 Web Accessibility	Embarcadero Delphi and C++Builder developer products are not primarily considered a web-based internet information and application product. There are some screens written in HTML which are evaluated in Section 1194.22. Embarcadero Delphi and C++Builder developer product is used to build Web-based and other types of applications.
Section 1194.23 Telecommunications Products	Embarcadero Delphi and C++Builder developer products are not considered a telecommunications product.
Section 1194.24 Video and Multi-Media Productions	Embarcadero Delphi and C++Builder developer products are not multimedia products.
Section 1194.25 Self-Contained, Closed Products	Embarcadero Delphi and C++Builder developer products are not self-contained products.
Section 1194.26 Desktop and Portable Computers	Embarcadero Delphi and C++Builder developer products are not a desktop or portable computer.
Section 1194.31 Functional Performance	See Section 1194.31 below.
Section 1194.41 (a) Information, Documentation and Support	See Section 1194.41 below.

VPAT DETAILS

Section 1194.21: Software Applications and Operating Systems

CRITERIA	SUPPORTING FEATURES	REMARKS AND EXPLANATIONS
<p>1194.21 (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>	<p>Supported with exceptions. Embarcadero Delphi and C++Builder developer products include support for accessing almost all functions using only a keyboard with minor exceptions</p>	<p>Embarcadero Delphi and C++Builder developer products do not include full support for accessing all functions using the keyboard. New features like IDE Insight allow developers to find any function or feature at a touch of one key (F6). Equivalent facilitation is achieved via the keyboard through other mechanisms, such as the MSAA accessibility options such as MouseKeys.</p>
<p>1194.21 (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>	<p>Operating systems provide accessibility features that allow disabled users to customize their preferences. The application preserves those accessibility user preference settings. For example, if High Contrast Mode is selected by the mobility-impaired user, this option will continue to be activated when using the applications.</p>	<p>Embarcadero Delphi and C++Builder developer products do not disrupt or disable accessibility features of the operating system.</p>
<p>1194.21 (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>	<p>Supported with Exceptions. 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>The following areas don't apply with criteria: Focus is not always clear in the Help System.</p>

Section 1194.21 continued

CRITERIA	SUPPORTING FEATURES	REMARKS AND EXPLANATIONS
<p>1194.21 (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>	<p>Supported. This software application allows a screen reader to describe the user interface environment and controls. It will allow them to know if they are on a tab or radio button and what the status of that button is.</p>	
<p>1194.21 (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>Supported. Embarcadero Delphi and C++Builder developer products provide consistent use of bitmapped images.</p>	
<p>1194.21 (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>Supported with exceptions. Text information is accessible so assistive technologies can communicate content, attributes, and cursor location.</p>	<p>Embarcadero Delphi and C++Builder developer products supports this requirement with minor exceptions. Embarcadero Delphi and C++Builder do not always use Windows font size settings. Users can set the larger font size via the tools option menu. However, larger font size settings within the IDE are not used in every pane.</p>
<p>1194.21 (g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>	<p>Supported with exceptions. Embarcadero Delphi and C++Builder do not override user selected contrast and color selections or display attributes with minor exceptions.</p>	<p>Embarcadero Delphi and C++Builder provide excellent support for the Color Display Settings for backgrounds. Some user interface elements, such as the Data Explorer and Tool Palette, only respond to Contrast but not to size settings. Some dialog boxes and panes do not properly support High Contrast mode (background color does change, font color and font size change in some panes but not others).</p>

Section 1194.21 continued

CRITERIA	SUPPORTING FEATURES	REMARKS AND EXPLANATIONS
1194.21 (h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Supported. Embarcadero Delphi and C++Builder developer products do not use animation.	
1194.21 (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.	Supported. Color is used only as an enhancement, to convey non-critical information. Additionally, users can set colors to aid discriminations.	Colors are used as the only means to distinguish text state, such as code syntax elements.
1194.21 (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.	Supported. Embarcadero Delphi and C++Builder developer products allow for user customizations.	This functionality is base on the Operating Systems support and customizable by the user.
1194.21 (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.	Supported. Delphi and C++Builder developer products do not use flashing or blinking objects.	
1194.21 (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.	Not Applicable. This functionality does not apply to Embarcadero Delphi and C++Builder developer products.	

Section 1194.22: Web-Based Internet Information and Applications

CRITERIA	SUPPORTING FEATURES	REMARKS AND EXPLANATIONS
A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Supported.	
1194.22 (b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	This requirement does not apply to Embarcadero Delphi and C++Builder developer products.

Section 1194.22 continued

CRITERIA	SUPPORTING FEATURES	REMARKS AND EXPLANATIONS
1194.22 (c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Supported.	Color is not used as the sole means of conveying information.
1194.22 (d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supported.	
1194.22 (e) Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable.	This requirement does not apply to Embarcadero Delphi and C++Builder developer products.
1194.22 (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.	This requirement does not apply to Embarcadero Delphi and C++Builder developer products.
1194.22 (g) Row and column headers shall be identified for data tables.	Supported.	
1194.22 (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.	Supported.	
1194.22 (i) Frames shall be titled with text that facilitates frame identification and navigation.	Supported.	
1194.22 (j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supported.	Embarcadero Delphi and C++Builder developer products do not use flashing or blinking objects.
1194.22 (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.	This requirement does not apply to Embarcadero Delphi and C++Builder developer products.

Section 1194.22 continued

CRITERIA	SUPPORTING FEATURES	REMARKS AND EXPLANATIONS
1194.22 (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.	This requirement does not apply to Embarcadero Delphi and C++Builder developer products.
1194.22 (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).	Supported.	
1194.22 (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.	This requirement does not apply to Embarcadero Delphi and C++Builder developer products.
1194.22 (o) A method shall be provided that permits users to skip repetitive navigation links.	Supported.	
1194.22 (p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Supported.	

Functional Performance Criteria

CRITERIA	SUPPORTING FEATURES	REMARKS AND EXPLANATIONS
1194.31 (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.	Supported.	

Functional Performance Criteria continued

CRITERIA	SUPPORTING FEATURES	REMARKS AND EXPLANATIONS
1194.31(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.	Supported with Exceptions.	Embarcadero Delphi and C++Builder developer products provide functionality that conforms to these criteria with exceptions described in Section 1194.22
1194.31(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.	Supported.	
1194.31(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.	Supported.	
1194.31(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.	Not Applicable.	
1194.31(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.	Supported.	Embarcadero Delphi and C++Builder developer products can be used from the keyboard in conjunction with accessibility options at the OS level.

Section 1194.11: Information, Documentation, and Support.

CRITERIA	SUPPORTING FEATURES	REMARKS AND EXPLANATIONS
1194.41(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.	Supported.	
1194.41(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.	Supported.	
1194.41(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supported.	Embarcadero Delphi and C++Builder developer products are supported via the Embarcadero website and in documentation.



Embarcadero Technologies, Inc. is a leading provider of award-winning tools for application developers and database professionals so they can design systems right, build them faster and run them better, regardless of their platform or programming language. Ninety of the Fortune 100 and an active community of more than three million users worldwide rely on Embarcadero products to increase productivity, reduce costs, simplify change management and compliance and accelerate innovation. The company’s flagship tools include: Embarcadero® Change Manager™, Embarcadero® RAD Studio, DBArtisan®, Delphi®, ER/Studio®, JBuilder® and Rapid SQL®. Founded in 1993, Embarcadero is headquartered in San Francisco, with offices located around the world. Embarcadero is online at www.embarcadero.com.