

# Voluntary Product Accessibility Template

## Version 1.6

### DevExpress ASP.NET



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Name of Product: DevExpress ASP.NET ver.19.2

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### Summary Table

#### Voluntary Product Accessibility Template

Criteria	Level of Support & Supporting Features	Remarks and Explanations
Section 1194.21 Software Applications and Operating Systems	Not Applicable	Controls shipped with DevExpress ASP.NET are not considered a software application or an operating system. DevExpress ASP.NET controls are used to build Web-based applications.
Section 1194.22 Web-based Internet Information and Applications	Supports	DevExpress ASP.NET controls are not primarily considered a Web-based internet information and applications product. DevExpress ASP.NET controls are used to build Web-based applications.
Section 1194.23 Telecommunications Products	Not Applicable	Controls shipped with DevExpress ASP.NET are not considered a telecommunications product.
Section 1194.24 Video and Multi-media Products	Not Applicable	Controls shipped with DevExpress ASP.NET are not a multimedia product.
Section 1194.25 Self-Contained, Closed Products	Not Applicable	Controls shipped with DevExpress ASP.NET are not a self-contained product.
Section 1194.26 Desktop and Portable Computers	Not Applicable	Controls shipped with DevExpress ASP.NET are not a desktop or portable computer.
Section 1194.31 Functional Performance Criteria	Supports	
Section 1194.41 Information, Documentation and Support	Supports	

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Section 1194.22 Web-based intranet and Internet information and applications –  
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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).	Supports	DevExpress ASP.NET controls provide functionality that conforms to this requirement by providing default text equivalents for most graphic elements. Developers may customize the default description as their needs dictate. Certain auxiliary non-text elements, which are used only to enhance a visual layout (i.e., transparent spacer images or decorations), are assigned empty text equivalents consistent with WCAG 2.0 Guideline 1.1.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	Developers must use DevExpress ASP.NET controls, so as to conform to this requirement.
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Supports	This requirement can be accomplished for all DevExpress ASP.NET controls. Generally, developers using DevExpress ASP.NET controls must follow certain design practices, to conform to this requirement: - Use non-color effects (for instance, font-based) to indicate specific element states (selected, hot-tracked, etc.) - Apply any built-in theme or style, or create a custom one. The DevExpress "Default" theme is designed to fully meet this requirement. ThemeBuilder allows a developer to inherit any DevExpress theme and modify it, or create a custom theme with suitable settings. WebChartControl: if text labels are not displayed on the diagram, it is recommended to specify a different hatch style (the HatchStyle property) for each series.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports	DevExpress ASP.NET controls provide functionality that conforms to this requirement. According to the Section 508 standard*, a user-defined style linked to a website sheet should allow a user to browse through the website navigation flow with ease.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable	DevExpress ASP.NET controls do not use server-side image maps.
(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	DevExpress ASP.NET controls do not use server-side image maps.
(g) Row and column headers shall be identified for data tables.	Supports with Exceptions	DevExpress ASP.NET controls provide functionality that conforms to this requirement, with minor exceptions. The ASPxGridView, ASPxPivotGrid, ASPxCalendar and ASPxTreeList use the <th> tag to identify column headers. The ASPxPivotGrid also uses this tag to identify its row headers. The following DevExpress ASP.NET controls do not provide identification for row and column headers: - ASPxSpreadsheet - The control renders the visible part of an excel document mostly by using <div> tags, and as such, provides no identification. - ASPxRichTextEditor – the control doesn't render data tables and provides no identification.

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		All other DevExpress ASP.NET controls use tables only to define a layout of their elements – these tables do not use header tags.
(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 Supported	Using the <a href="#">banded layout</a> , the ASPxGridView and ASPxPivotGrid don't provide the "id" and the "headers" attributes to associate data cells and column headers with the respective band headers. For other DevExpress web controls this criterion isn't applicable.
(i) Frames shall be titled with text that facilitates frame identification and navigation.	Supports	DevExpress ASP.NET controls provide functionality that conforms to this requirement. All DevExpress ASP.NET controls either create properly named frames or allow developers to customize their names to provide the required identification.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supports	DevExpress ASP.NET controls provide functionality that conforms to this requirement. ASPxImageSlider – the use of the mouse wheel can cause screen flickering. So that the AllowMouseWheel property should be set to false. DevExpress web controls that invoke submenu, dropdown windows or popup windows are repainted in response to mouse movements. To ensure that these controls are repainted with a proper frequency in response to rapid mouse movements, developers must specify the AppearAfter property. For ASPxImageGallery and ASPxImageSlider, set the AnimationType property to "None" to disable the predefined animation effect. For DevExpress web controls that invoke popup and drop-down windows, use the EnableAnimation and AnimationType properties for this purpose.
(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	Developers must use DevExpress ASP.NET controls, so as to conform to this requirement.
(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.	Supports with Exceptions	DevExpress ASP.NET controls provide functionality that conforms to this requirement, with minor exceptions. All DevExpress ASP.NET controls provide a markup to identify interface elements that use scripting, except for ASPxImageZoom, ASPxScheduler, ASPxBinaryImage, ASPxGridView's Customization Dialog.
(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	DevExpress ASP.NET controls do not require applets, plug-ins or other applications to be present on the client system. It is possible for developers to use the ASPXObjectContainer control to show streaming media using plug-ins. In this instance, developers must specify a plug-in that meets the requirement.
(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.	Supports with Exceptions	DevExpress ASP.NET controls provide functionality that conforms to this requirement with minor exceptions (ASPxTokenBox, ASPxTrackBar). By using Assistive Technologies in combination with DevExpress ASP.NET controls, a user can modify an editor's entered value, be informed when this value has been modified, and obtain information about a control's state and possible input values. To enable this functionality, developers must enable the control's AccessibilityCompliant property.

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		<p>To conform to this requirement, a developer is required to set ASPxLabel for each DevExpress ASP.NET editor or specify its Caption property. Alternatively, the NullText or Tooltip property can be used. DevExpress ASP.NET editors with the enabled IsRequired option are marked with an asterisk character (*). It is recommended to place a notification about how required fields are marked before the form as it is shown within the <a href="#">demo</a>. Alternatively, a field's associated label should contain the "Required" word and precede a corresponding required field (for example, "Name (Required)").</p> <p>Generally, complex DevExpress ASP.NET controls support this requirement with the exception of ASPxScheduler, ASPxSpreadsheet, ASPxRichEdit, ASPxPivotGrid, ASPxRibbon controls and the <a href="#">grouping</a> feature of ASPxGridView.</p>
(o) A method shall be provided that permits users to skip repetitive navigation links.	Supports	<p>For each web page developers should provide the optional "Skip navigation links" link that allows users to skip any repetitive navigation elements on the page (see <a href="#">online example</a>).</p>
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Supports	<p>DevExpress ASP.NET controls provide functionality that conforms to this requirement.</p> <p>Developers must use DevExpress ASP.NET controls so as to conform to this requirement. In essence, when updating a page using an AJAX-based callback technology or the ASPxTimer control, developers must avoid changing a page context without user notifications, unless initiated by the user.</p> <p>The ASPxScheduler can show reminders to alert users about pending appointments. The reminder is not shown unless a user finishes the current activity. Dismissing or snoozing the reminder does not require a timed response from users. The next reminder can become outdated while the window is open. Even so, outdated reminders can be shown after that, and this may produce undesired results. So, to ensure that a web page fully complies with the requirement, developers can disable reminders.</p>

\* Style sheets can enable users to define specific viewing preferences. For instance, users with low vision may create their own style sheet so that, regardless of what web pages they visit, all text is displayed in an extra large font with white characters on a black background. If a user-defined style sheets are overridden on a web page, people with disabilities may not be able to use those pages. For good access, therefore, it is important that web pages do not interfere with user-defined style sheets.

Section 1194.31 Functional Performance Criteria –  
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Criteria	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.	Supports with Exception	<p>DevExpress ASP.NET controls provide functionality that conforms to this requirement with minor exceptions (ASPxTokenBox, ASPxTrackBar). By using Assistive Technologies in combination with DevExpress ASP.NET controls, a user can modify an editor's entered value, be informed when this value has been modified, and obtain information about a control's state and possible input values. For this, enable the control's <a href="#">accessibility mode</a>.</p> <p>To conform to this requirement, a developer is required to set ASPxLabel for each DevExpress ASP.NET editor or specify its Caption property. Alternatively, the NullText or ToolTip property can be used.</p> <p>Required fields on the form should be marked with an asterisk character (*) or have the associated labels that contain the "Required" part (for example, "Name (Required)"). DevExpress ASP.NET editors are marked with an asterisk character (*) if the editor's IsRequired option is enabled. It is recommended to place a notification about how required fields are marked before the form as it is shown in the <a href="#">demo</a>.</p> <p>Generally, complex DevExpress ASP.NET controls support this requirement with the exception of ASPxScheduler, ASPxSpreadsheet, ASPxRichEdit, ASPxPivotGrid, ASPxRibbon and the ASPxGridView's drag-and-drop grouping feature and Customization Dialog.</p> <p>This requirement does not apply to non-visual DevExpress ASP.NET controls.</p>
(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	<p>DevExpress ASP.NET controls provide functionality that conforms to this requirement, with minor exceptions. The ASPxCaptcha does not provide an audio version of the CAPTCHA.</p> <p>All other DevExpress ASP.NET controls allow developers to create high contrast themes and apply them so as to conform to the requirements.</p>
(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.	Not Applicable	Controls shipped with DevExpress have no audio features.
(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.	Not Applicable	Controls shipped with DevExpress have no audio features.
(e) At least one mode of operation and information retrieval that does not require	Not Applicable	Controls shipped with DevExpress have no audio features.

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<p>user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.</p>		
<p>(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.</p>	<p>Supports with Exceptions</p>	<p>DevExpress ASP.NET controls provide functionality that conforms to this requirement. Most DevExpress ASP.NET controls provide the mode of operation that implies the use of the Tab key for forward interior navigation of elements when the TabIndex property is specified. When controls get focus, their internal elements can be operated by using the keyboard.</p> <p>Certain operations with complex controls like ASPxGridView (the grouping feature), ASPxDocking (drag and drop operations), etc. - are not directly accessible without the fine motor control. Grid-like controls do not support keyboard navigation with the UP/DOWN/LEFT/RIGHT keys if the grid's AccessibilityCompliant option is enabled.</p>

Section 1194.41 Information, Documentation and Support –  
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(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge	Supports	Documentation is provided in digital format for customers on the web, and available for no-charge download at <a href="https://www.devexpress.com/ClientCenter/Downloads/#Documentation">https://www.devexpress.com/ClientCenter/Downloads/#Documentation</a> . All the necessary material(s) can also be requested from our Support Team at <a href="mailto:support@DevExpress.com">support@DevExpress.com</a> .
(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	DevExpress ASP.NET controls are shipped with the Help File documentation listing their accessibility and compatibility features. An individual may also access and view Help File topics online at <a href="http://documentation.devexpress.com/">http://documentation.devexpress.com/</a> or may select a topic for print. All the necessary material(s) can also be requested from our Support Team at <a href="mailto:support@DevExpress.com">support@DevExpress.com</a> .
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	The Developer Express Support Team is familiar with features such as keyboard access and other accessibility options important to people with disabilities.