



VPAT™

Voluntary Product Accessibility Template®

Version 1.3

The purpose of the **Voluntary Product Accessibility Template**, or **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. Autodesk provides this information to help our customers understand the accessibility features of this Autodesk product in the context of the Section 508 standards. This was done with the intent to enable agencies to be compliant with the Section 508 regulations. This document is not intended to be a certification of compliance.

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 you 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.

Date: April 7, 2011

Name of Product: Autodesk Revit MEP 2012

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Summary Table

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<i>Criteria</i>	Supporting Features	Remarks and explanations
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Section 1194.21 Software Applications and Operating Systems – Detail

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<i>Criteria</i>	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	Supports with Exceptions	Keyboard input is provided for most functions. Supports standard

<p>result of performing a function can be discerned textually.</p>		<p>shortcut keys for most functions.</p> <p>MouseKeys and StickyKeys are supported for features not directly accessible through keyboard functions.</p> <p>There is a Keyboard Shortcuts feature in 2012 that allows customization of keyboard shortcuts for most functions.</p> <p>No command line access is provided.</p> <p>Revit MEP supports keytips for main ribbon tabs and most of the controls in the ribbon. Contextual tabs do not have keytips, but you can use the Keyboard Shortcuts feature to assign shortcuts to contextual tab functions.</p> <p>The option bar in Revit MEP is not</p>
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		<p>accessible to screen readers.</p> <p>Does not support moving between sections (or panes) of the application windows with using MouseKeys.</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>	Supports	<p>A sample of common office applications was tested and no disruption of accessibility features was noted. Testing has indicated that the Revit MEP software program does not disrupt the accessibility features of other products on the end-user's system.</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>	Supports with Exceptions	<p>Focus is programmatically exposed for navigation within some interface panes, but movement between panes in the ribbon and through all pane options and menus is not supported without the use of MouseKeys or other mouse-</p>

		<p>equivalent software.</p> <p>Most dialog boxes have a well-defined indicator of focus.</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>	<p>Supports with Exceptions</p>	<p>Revit MEP provides inconsistent information about user interface elements via the Microsoft Accessibility Applications. For example ribbon text and tooltips are not available via JAWS or Microsoft Narrator. Tooltip equivalents of ribbon buttons text are provided, but audio versions are not supported. Toolbar and ribbon button images generally have textual equivalents in the expanded state.</p> <p>Not all drawing-related elements (doors, walls) provide consistent</p>

		<p>equivalent textual information. Labels in the Browser tree are not accessible to Microsoft Narrator or JAWS.</p> <p>Some graphic list boxes (for example, the Fill Patterns dialog for Materials) do not allow screen readers to access the text that describes a fill pattern.</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.	Supports	<p>Bitmap images and actions associated with them are generally consistent.</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.	Supports with Exceptions	<p>Revit MEP provides textual information for most functions. Some read-only text inside dialogs is not accessible to screen readers. The captions on the SteeringWheels[®] and ViewCube[®] are not accessible.</p>

		Revit MEP provides inconsistent information to assistive technologies. In addition, ALT text equivalents of ribbon button text are provided, but audio versions are not supported.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports with Exceptions	<p>Revit MEP does not override most contrast and color selections.</p> <p>Testing shows that under High Contrast accessibility settings the ribbon and some areas of Revit MEP do not change to the high contrast appearance. The Project Browser, for example does not change contrast when the High Contrast setting is chosen in the Windows accessibility options.</p>
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of	Supports with Exceptions	ToolClips in extended tooltips provides animation for the

the user.		<p>text in the tooltip.</p> <p>Animated displays are included within the product's Help System and through ToolClips in the ribbon. The same information is documented with text and images in the Help system.</p> <p>Animations are created within the "camera walkthrough" feature of the software. Textual equivalents are not provided.</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.	Supports with Exceptions	<p>Color-coding is not used as the only means of conveying information. The user has the ability to enter a color index or in certain cases a RGB value. Users can also use pre-defined named colors as described by PANTONE®, RAL, and DIC® color systems.</p> <p>Color coding is used to indicate clickable</p>

		controls. There are alternate methods of achieving these tasks, but no other method of visually identifying clickable controls. The indicator color is blue and cannot be modified by the user.
(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 with Exceptions	<p>Revit MEP provides a wide variety of color selections for many elements including objects, lines, annotation symbols, materials, rooms, and phasing. The user has the ability to customize the application window.</p> <p>Users can also use pre-defined named colors as described by PANTONE, RAL, and DIC.</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.	Supports	Revit MEP does not use flashing or blinking text.
(l) When electronic forms are used, the form shall allow people using	Supports with Exceptions	Microsoft Active Accessibility

Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.		<p>applications like the Narrator can be used to access some particulars of the components of a form/dialog box.</p> <p>Most functions in forms/dialog boxes are accessible through MouseKeys and standard Windows tabbing and keyboard shortcuts.</p>
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***Section 1194.22 Web-based Internet
information and applications – Detail***

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<i>Criteria</i>	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	Not Applicable	

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.	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	
(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.

<p align="center"><i>Section 1194.24 Video and Multi-media</i></p> <p align="center"><i>Products – Detail</i></p> <p align="center">VPAT™</p> <p align="center">Voluntary Product Accessibility Template®</p>		
<i>Criteria</i>	<i>Supporting Features</i>	<i>Remarks and explanations</i>

<p>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.</p>	<p>Not Applicable</p>	
<p>(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.</p>	<p>Not Applicable</p>	
<p>(c) All training and</p>	<p>Not Supported</p>	<p>Training videos do not</p>

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.		have captions.
(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.	Supports	
(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.	Supports with Exceptions	User can choose whether to display Tooltips

Section 1194.31 Functional Performance

Criteria – Detail

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<i>Criteria</i>	<i>Supporting Features</i>	<i>Remarks and explanations</i>
(a) At least one mode of operation and information retrieval that does not require user vision shall	Supports with Exceptions	Revit MEP supports assistive technologies with some exceptions and inconsistencies.

be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.		<p>Graphics in Help do not have tooltips or ALT text.</p> <p>ALT text equivalents of ribbon button text are provided, but audio versions are not supported.</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>No audio is available in the product. Keyboard navigation is provided for many functions.</p> <p>Revit MEP works well with the Microsoft Magnifier tool.</p> <p>Keyboard navigation is provided for many ribbon commands. Microsoft Accessibility applications like Microsoft Narrator can access some particulars of the components of a form/dialog</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	Supports	<p>Revit MEP does not require user hearing to operate the system.</p> <p>No audio is provided by the product beyond the use of standard operating system alerts that can be displayed visually using Microsoft Accessibility settings.</p>
(d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be	Supports	<p>Revit MEP does not require hearing to operate the system.</p> <p>No audio is provided by the product beyond the</p>

provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.		<p>use of standard operating system alerts that can be displayed visually using Microsoft Accessibility settings.</p> <p>There are short instructional videos that have sound, but the information in those videos is also available in other user assistance and is not required to operate the system.</p>
(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	Revit MEP does not require user speech to operate the software.
(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	<p>Keyboard navigation is provided for most commands and dialogs.</p> <p>Revit MEP supports use of Microsoft Accessibility applications for users with mobility concerns such as StickyKeys and FilterKeys.</p>

***Section 1194.41 Information, Documentation
and Support – Detail***

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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 with Exceptions	<p>Support documentation is available within the product itself, in the Help area. Some documentation is available in PDF format. Videos with sound are available for selected tasks. Users can print information from the Help.</p> <p>Printed manuals are not available for Revit MEP 2012; Users can print from the WikiHelp.</p>
(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	<p>This document is posted on our website at http://www.autodesk.com. Search for "Section 508"</p>
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	<p>Support services options are available via webpage, e-mail, fax, or phone. Direct, in-person support is also available through resellers.</p>



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