

# VPAT™

## Voluntary Product Accessibility Template®

### Version 1.0

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. It is assumed and recommended that offerers will provide additional contact information to facilitate more detailed inquiries.

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.

EIS develops a contract specific VPAT for each Federal contract and/or task order for electronic and information technology products and services developed for that contract/task order. This VPAT covers the EIS ePMO portal which is used on every project and can be accessed by Federal government customers.

**Date:** December 7, 2017

**Name of Product:** EIS Electronic Program Management Office (ePMO) Portal

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<b>Summary Table</b> <b>VPAT™</b> <b>Voluntary Product Accessibility Template®</b>		
<i>Criteria</i>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
Section 1194.21 <a href="#">Software Applications and Operating Systems</a>	Supports	The ePMO Portal supports these requirements.
Section 1194.22 <a href="#">Web-based Internet Information and Applications</a>	Supports	The ePMO Portal supports these requirements.
Section 1194.23 <a href="#">Telecommunications Products</a>	Not Applicable	The ePMO Portal is a web software application and does not contain telecommunications capabilities.
Section 1194.24 <a href="#">Video and Multi-media Products</a>	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.
Section 1194.25 <a href="#">Self-Contained, Closed Products</a>	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.

Section 1194.26 <a href="#">Desktop and Portable Computers</a>	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.
Section 1194.31 <a href="#">Functional Performance Criteria</a>	Supports	The ePMO Portal supports these requirements.
Section 1194.41 <a href="#">Information, Documentation and Support</a>	Supports	The ePMO Portal supports these requirements.

[Return to the top of the page.../Local Settings/Temporary Internet Files/OLK42/VPAT.html](#)

## **Section 1194.21 Software Applications and Operating Systems – Detail**

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<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(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	The ePMO Portal is a web-based application that supports standard keyboard navigation and input functions (such as pressing [Tab] to move between input fields and pressing the arrow keys to move between list items).
(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features,	Supports	The ePMO Portal uses standard web browser capabilities for displaying and receiving information. There are no known conflicts with accessibility features provided by the operating system

<p>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>or third party products.</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>	<p>Supports</p>	<p>The ePMO Portal uses standard web browser mechanisms for specifying focus. This information is programmatically exposed to Assistive Technologies such as screen readers. In addition, visual changes to elements indicate the current position 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</p>	<p>Supports</p>	<p>The ePMO Portal uses standard HTML and WAI-ARIA attributes to describe the identity, operation, and state of user interface elements to Assistive Technologies. Examples include the use of &lt;label&gt; tags associated with inputs, and the use of “aria-invalid” to flag inputs with errors. Where an image is used to convey information, a text alternative is provided.</p>

be available in text.		
(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	Images and icons are used consistently to signify the purpose or status of user interface elements.
(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	The ePMO Portal uses standard web browser mechanisms for displaying text and allowing user text input.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports	The ePMO Portal does not override user preferences for color schemes if configured via browser or operating system preferences.
(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	Animations are not used in the ePMO Portal product as the exclusive mechanism for conveying information.
(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	Color is only used as a decorative or supplemental attribute of user interface elements. A textual representation is always used as the primary mechanism for conveying information.
(j) When a product	Supports	Administrators may configure

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.		custom color schemes for the ePMO Portal product. Any web-supported color scheme may be selected, allowing for necessary contrast requirements.
(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.	Not Applicable	The ePMO Portal does not use flashing interface elements.
(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	The ePMO Portal uses standard HTML and WAI-ARIA techniques to make forms accessible to users of Assistive Technologies.

[Return to the top of the page.../Local Settings/Temporary Internet Files/OLK42/VPAT.html](#)

**Section 1194.22 Web-based Internet information and applications – Detail**

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<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(a) A text equivalent for every non-text element	Supports	The ePMO Portal uses standard HTML and WAI-ARIA techniques

shall be provided (e.g., via "alt", "longdesc", or in element content).		for providing text equivalents of non-text elements. This includes the use of "alt" attributes for images and the use of "aria-label" or "aria-described by" attributes for other visual elements.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	The ePMO Portal base product does not use multimedia presentations.
(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	Color is only used as a decorative or supplemental attribute of user interface elements. A textual representation is always used as the primary mechanism for conveying information.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports	The ePMO Portal uses semantically-correct markup so that the structure of the document is preserved without the application of style sheet rules.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not Applicable	The ePMO Portal does 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	The ePMO Portal does not use image maps.
(g) Row and column headers shall be identified for data tables.	Supports	Data tables use standard HTML markup to designate headers.
(h) Markup shall be used to associate data cells and header cells for data tables that have two or more	Not Applicable	The ePMO Portal does not support data tables with more than one level of headers.

logical levels of row or column headers.		
(i) Frames shall be titled with text that facilitates frame identification and navigation	Supports	Frames (used only for background processing) are labeled with descriptive text.
(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	The ePMO Portal does not generate flickering screens.
(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.	Supports	The ePMO user interface framework ("SAIL") allows application designers to define a text-only representation of any UI if it is determined to be necessary for accessibility.
(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	As with most modern, rich web applications, the ePMO Portal uses scripting to support dynamic behaviors throughout its user interfaces. The resultant UI updates are accessible to Assistive Technologies as described elsewhere in this document.
(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	Not Applicable	The ePMO Portal does not require applets, plug-ins, or any application other than a standard web browser.

a link to a plug-in or applet that complies with §1194.21(a) through (l).		
(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	The ePMO Portal uses standard HTML and WAI-ARIA techniques to make forms accessible to users of Assistive Technologies.
(o) A method shall be provided that permits users to skip repetitive navigation links.	Supports	A hidden link (available to screen readers) allows users to jump to the main content of each page.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	The ePMO Portal does not require timed responses.

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.

[Return to the top of the page. ../../Local Settings/Temporary Internet Files/OLK42/VPAT.html](#)

**Section 1194.23 Telecommunications Products  
– Detail**

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<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(a) Telecommunications products or systems which provide a function allowing voice communication and which do not themselves provide a TTY functionality shall provide a standard non-acoustic connection point for TTYs. Microphones shall be capable of being turned on and off to allow the user to intermix speech with TTY use.	Not Applicable	The ePMO Portal is a web software application and does not contain telecommunications capabilities.
(b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	Not Applicable	The ePMO Portal is a web software application and does not contain telecommunications capabilities.
(c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.	Not Applicable	The ePMO Portal is a web software application and does not contain telecommunications capabilities.
(d) Voice mail, messaging, auto-attendant, and interactive voice	Not Applicable	The ePMO Portal is a web software application and does not contain telecommunications capabilities.

<p>response telecommunications systems that require a response from a user within a time interval, shall give an alert when the time interval is about to run out, and shall provide sufficient time for the user to indicate more time is required.</p>		
<p>(e) Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and does not contain telecommunications capabilities.</p>
<p>(f) For transmitted voice signals, telecommunications products shall provide a gain adjustable up to a minimum of 20 dB. For incremental volume control, at least one intermediate step of 12 dB of gain shall be provided.</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and does not contain telecommunications capabilities.</p>
<p>(g) If the telecommunications product allows a user to adjust the receive volume, a function shall be provided to automatically reset the volume to the default level after every use.</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and does not contain telecommunications capabilities.</p>
<p>(h) Where a telecommunications product delivers output by an audio transducer</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and does not contain telecommunications capabilities.</p>

<p>which is normally held up to the ear, a means for effective magnetic wireless coupling to hearing technologies shall be provided.</p>		
<p>(i) Interference to hearing technologies (including hearing aids, cochlear implants, and assistive listening devices) shall be reduced to the lowest possible level that allows a user of hearing technologies to utilize the telecommunications product.</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and does not contain telecommunications capabilities.</p>
<p>(j) Products that transmit or conduct information or communication, shall pass through cross-manufacturer, non-proprietary, industry-standard codes, translation protocols, formats or other information necessary to provide the information or communication in a usable format. Technologies which use encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery.</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and does not contain telecommunications capabilities.</p>
<p>(k)(1) Products which have mechanically operated controls or</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and does not contain telecommunications capabilities.</p>

keys shall comply with the following: Controls and Keys shall be tactilely discernible without activating the controls or keys.		
(k)(2) Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be operable with one hand and shall not require tight grasping, pinching, twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2N) maximum.	Not Applicable	The ePMO Portal is a web software application and does not contain telecommunications capabilities.
(k)(3) Products which have mechanically operated controls or keys shall comply with the following: If key repeat is supported, the delay before repeat shall be adjustable to at least 2 seconds. Key repeat rate shall be adjustable to 2 seconds per character.	Not Applicable	The ePMO Portal is a web software application and does not contain telecommunications capabilities.
(k)(4) Products which have mechanically operated controls or keys shall comply with the following: The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound.	Not Applicable	The ePMO Portal is a web software application and does not contain telecommunications capabilities.

## **Section 1194.24 Video and Multi-media**

### **Products – Detail**

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<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
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	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.

<p>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>(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>The ePMO Portal is a web software application and is not subject to the requirements of this section.</p>
<p>(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.</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and is not subject to the requirements of this section.</p>
<p>(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.</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and is not subject to the requirements of this section.</p>
<p>(e) Display or presentation of alternate text presentation or audio</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and is not subject to the requirements of this section.</p>

descriptions shall be user-selectable unless permanent.

[Return to the top of the page. ../../Local Settings/Temporary Internet Files/OLK42/VPAT.html](#)

## **Section 1194.25 Self-Contained, Closed Products – Detail**

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<i><b>Criteria</b></i>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(a) Self contained products shall be usable by people with disabilities without requiring an end-user to attach Assistive Technology to the product. Personal headsets for private listening are not Assistive Technology.	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.
(c) Where a product utilizes touchscreens or contact-sensitive controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.

<p>(d) When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided.</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and is not subject to the requirements of this section.</p>
<p>(e) When products provide auditory output, the audio signal shall be provided at a standard signal level through an industry standard connector that will allow for private listening. The product must provide the ability to interrupt, pause, and restart the audio at anytime.</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and is not subject to the requirements of this section.</p>
<p>(f) When products deliver voice output in a public area, incremental volume control shall be provided with output amplification up to a level of at least 65 dB. Where the ambient noise level of the environment is above 45 dB, a volume gain of at least 20 dB above the ambient level shall be user selectable. A function shall be provided to automatically reset the volume to the default level after every use.</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and is not subject to the requirements of this section.</p>
<p>(g) Color coding shall not be used as the only</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and is not subject to the</p>

means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.		requirements of this section.
(h) When a product permits a user to adjust color and contrast settings, a range of color selections capable of producing a variety of contrast levels shall be provided.	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.
(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.
(j) (1) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: The position of any operable control shall be determined with respect to a vertical plane, which is 48 inches in length, centered on the operable control, and at the maximum protrusion of the product within the 48 inch length on products which are freestanding, non-portable, and intended to be used in one location and which have operable controls.	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.
(j)(2) Products which	Not Applicable	The ePMO Portal is a web software

<p>are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is 10 inches or less behind the reference plane, the height shall be 54 inches maximum and 15 inches minimum above the floor.</p>		<p>application and is not subject to the requirements of this section.</p>
<p>(j)(3) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is more than 10 inches and not more than 24 inches behind the reference plane, the height shall be 46 inches maximum and 15 inches minimum above the floor.</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and is not subject to the requirements of this section.</p>
<p>(j)(4) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Operable controls shall not be more than 24 inches behind the reference plane.</p>	<p>Not Applicable</p>	<p>The ePMO Portal is a web software application and is not subject to the requirements of this section.</p>

**Section 1194.26 Desktop and Portable  
Computers – Detail**

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<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(a) All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through (4).	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.
(b) If a product utilizes touchscreens or touch-operated controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.
(c) When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided.	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.
(d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available	Not Applicable	The ePMO Portal is a web software application and is not subject to the requirements of this section.

industry standards

[Return to the top of the page. ../../Local Settings/Temporary Internet Files/OLK42/VPAT.html](#)

## **Section 1194.31 Functional Performance**

### **Criteria – Detail**

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<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(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	The ePMO Portal uses standard accessibility techniques to allow blind or visually impaired users to employ screen readers to interact with user interface elements.
(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	The ePMO Portal user interfaces support standard zoom capabilities built into modern web browsers and operating systems.
(c) At least one mode of operation and	Supports	The ePMO Portal functionality is available to people who are deaf

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		or hard of hearing.
(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	The ePMO Portal does not provide audio information.
(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	The ePMO Portal does not require 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	The ePMO Portal supports standard mouse and keyboard inputs, including accessibility helpers like sticky keys.

[Return to the top of the page. ../../Local Settings/Temporary Internet Files/OLK42/VPAT.html](http://.../Local Settings/Temporary Internet Files/OLK42/VPAT.html)

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

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<b>Criteria</b>	<b>Supporting Features</b>	<b>Remarks and explanations</b>
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge	Supports	Documentation will be made available in alternate formats upon request, at no additional charge.
(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	This information will be made available in alternate formats or via alternate methods upon request, at no additional charge.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	EIS Technical Support can communicate with users via different channels as required.

[Return to the top of the page.](#)