**VPAT™**

**Voluntary Product Accessibility Template®**

**Date:** December 6, 2018

**Name of Product: McGraw-Hill Connect®**

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| **Summary Table**  **VPAT**  **Voluntary Product Accessibility Template** | | |
| ***Criteria*** | **Supporting Features** | **Remarks and Explanations** |
| Section 1194.21 [Software Applications and Operating Systems](#softwaredetails) | Level of Support Varies by Individual Requirement | Connect is a browser-based product that employs numerous plug-in and add-on applications to deliver a wide variety of content types. In general, the current state of the product contains some accessibility features. Those features can be found in some areas of the text flow eBook, registration and assignment portions. More information is included in this document. |
| Section 1194.22 [Web-based Internet Information and Applications](#webdetails) |  | Tooltips in the assignment workflow do not support do not support alternative text (alt tags). A screen reader’s ability to convey interactive content and multimedia information varies by type and presence of alt text. Style sheets are required. Frames and data table components are not fully identified in markup. No text-only page is provided. Information provided by scripting is not identified with functional text that can be read by Assistive Technology. |
| Section 1194.23 [Telecommunications Products](#telecommunicationsdetails) | Not Applicable. | McGraw-Hill Connect is not considered a telecommunications product. |
| Section 1194.24 [Video and Multi-media Products](#videodetails) | Level of Support Varies by Individual Requirement | Transcripts are available on request for most audio and video content. There are no alternate text presentations. |
| Section 1194.25 [Self-Contained, Closed Products](#selfcontaineddetails) | Not Applicable | McGraw-Hill Connect is not considered a self-contained, closed product. |
| Section 1194.26 [Desktop and Portable Computers](#desktopsdetails) | Not Applicable | McGraw-Hill Connect is not considered a desktop or portable computer.. |
| Section 1194.31 [Functional Performance Criteria](#functionaldetails) | Level of Support Varies by Individual Requirement | Some Transcripts are available on request. Captioning is available for some content. No enhanced audio. Some interactive questions types require use of a pointing device. |
| Section 1194.41 [Information, Documentation and Support](#informationdetails) | Level of Support Varies by Individual Requirement | Documentation of accessibility features is available, but not in alternate forms for users with disabilities. |

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| **Section 1194.21 Software Applications and Operating Systems – Detail**  **VPAT**  **Voluntary Product Accessibility Template** | | |
| ***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. | Supported with exceptions. | Many components within McGraw-Hill Connect require Flash or proprietary plug-ins, and many of these elements are not operational from the keyboard. |
| (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. | Supported. | McGraw-Hill Connect does 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. |
| (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. | Supported with exceptions. | Focus change is clearly indicated except within certain Flash-based content. |
| (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. | Supported with exceptions. | Alternate text for image-based program elements and form controls are available for many elements in the student side of the application. |
| (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. | Supported. | McGraw-Hill Connect uses standard and consistent images and form controls. As McGraw-Hill Connect is a suite of software programs, controls will be consistent within elements of the product, not necessarily across elements. E.g., Tegrity, and the e-book have different, but internally consistent, controls. |
| (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. | Supported with exceptions. | McGraw-Hill Connect supports this standard for all common pages on the student side of the product. |
| (g) Applications shall not override user selected contrast and color selections and other individual display attributes. | Supported. | Applications in Connect do not override contrast or color settings. |
| (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 with exceptions. | Many title publishing after 2014 support this standard. McGraw-Hill Connect is working to increase the number of titles that this supports. |
| (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. | McGraw-Hill Connect does not use colors as the only way to convey information, indicate an action, prompt a response, or distinguish a visual element. For instance, the red and green symbols for correct and incorrect responses to questions are also different symbols: green is a checkmark and red is an "x". |
| (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. | Not applicable. | McGraw-Hill Connect does not include color or contrast controls. |
| (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. | McGraw-Hill Connect does not use flashing or blinking text, objects or other elements in its 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. | Supported. | McGraw-Hill Connect supports the use of Assistive Technology to access form information, field elements, and functionality. |

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| **Section 1194.22 Web-based Internet information and applications – Detail**  **VPAT**  **Voluntary Product Accessibility Template** | | |
| ***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). | Supported with exceptions. | Navigational non-text elements are supported by text equivalents. Some image and Flash-based content does not provide text equivalents. Some titles © 2013 and later will contain text equivalent in the textflow eBook. |
| (b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation. | Supported with exceptions. | Much video content provides open or closed captions. Transcripts are available for some audio-only and video-only content. Interactive content in Flash does not currently support assistive technologies. |
| (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. |  |
| (d) Documents shall be organized so they are readable without requiring an associated style sheet. | Not supported. | Associated style sheets are required to preserve a meaningful sequence of the content. |
| (e) Redundant text links shall be provided for each active region of a server-side image map. | Not applicable. | McGraw-Hill Connect does not include 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. | Supported. |  |
| g) Row and column headers shall be identified for data tables. | Not supported | McGraw-Hill Connect does not currently identify row and column headers for data tables. |
| (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 | Supported with exceptions. | Limited availability on assignments for students is available. Work needs to continue for remaining items in students side and all of instructor side. |
| (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. | All Connect pages are designed not to cause the screen to flicker. |
| (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 supported. | Text-only versions of pages are not available. |
| (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 supported. |  |
| (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. |  |
| (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. | Supported with exceptions. | Supported in the purchase and registration, areas. |
| (o) A method shall be provided that permits users to skip repetitive navigation links. | Supported. |  |
| (p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required. | Supported |  |

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| **Section 1194.23 Telecommunications Products – Detail**  **VPAT**  **Voluntary Product Accessibility Template** | | |
| ***Criteria*** | **Supporting Features** | **Remarks and Explanations** |
| (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. | McGraw-Hill Connect is not considered a telecommunications product. |
| (b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols. | Not applicable. | McGraw-Hill Connect is not considered a telecommunications product. |
| (c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs. | Not applicable. | McGraw-Hill Connect is not considered a telecommunications product. |
| (d) Voice mail, messaging, auto-attendant, and interactive voice 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. | Not applicable. | McGraw-Hill Connect is not considered a telecommunications product. |
| (e) Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays. | Not applicable. | McGraw-Hill Connect is not considered a telecommunications product. |
| (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. | Not applicable. | McGraw-Hill Connect is not considered a telecommunications product. |
| (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. | Not applicable. | McGraw-Hill Connect is not considered a telecommunications product. |
| (h) Where a telecommunications product delivers output by an audio transducer which is normally held up to the ear, a means for effective magnetic wireless coupling to hearing technologies shall be provided. | Not applicable. | McGraw-Hill Connect is not considered a telecommunications product. |
| (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. | Not applicable. | McGraw-Hill Connect is not considered a telecommunications product. |
| (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. | Not applicable. | McGraw-Hill Connect is not considered a telecommunications product. |
| (k)(1) Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be tactilely discernible without activating the controls or keys. | Not applicable. | McGraw-Hill Connect is not considered a telecommunications product. |
| (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. | McGraw-Hill Connect is not considered a telecommunications product. |
| (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. | McGraw-Hill Connect is not considered a telecommunications product. |
| (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. | McGraw-Hill Connect is not considered a telecommunications product. |

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| **Section 1194.24 Video and Multi-media Products – Detail**  **VPAT**  **Voluntary Product Accessibility Template** | | |
| ***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. | McGraw-Hill Connect does not include a display or receiver. |
| (b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry. | Not applicable. | McGraw-Hill Connect does not include a tuner. |
| (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. | Supported through equivalent facilitation. | Transcripts are available for most video and audio content. |
| (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. | Videos and multimedia productions in Connect are not currently audio described. |
| (e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent. | Not supported. | Alternative text presentation in Connect is not user-selectable. |

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| **Section 1194.25 Self-Contained, Closed Products – Detail**  **VPAT**  **Voluntary Product Accessibility Template** | | |
| ***Criteria*** | **Supporting Features** | **Remarks and Explanations** |
| (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. | McGraw-Hill Connect is not considered a self-contained, closed product. |
| (b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required. | Not applicable. | McGraw-Hill Connect is not considered a self-contained, closed product. |
| (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. | McGraw-Hill Connect is not considered a self-contained, closed product. |
| (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. | Not applicable. | McGraw-Hill Connect is not considered a self-contained, closed product. |
| (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. | Not applicable. | McGraw-Hill Connect is not considered a self-contained, closed product. |
| (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. | Not applicable. | McGraw-Hill Connect is not considered a self-contained, closed product. |
| (g) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. | Not applicable. | McGraw-Hill Connect is not considered a self-contained, closed product. |
| (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. | McGraw-Hill Connect is not considered a self-contained, closed product. |
| (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. | McGraw-Hill Connect is not considered a self-contained, closed product. |
| (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. | McGraw-Hill Connect is not considered a self-contained, closed product. |
| (j)(2) 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 10 inches or less behind the reference plane, the height shall be 54 inches maximum and 15 inches minimum above the floor. | Not applicable. | McGraw-Hill Connect is not considered a self-contained, closed product. |
| (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. | Not applicable. | McGraw-Hill Connect is not considered a self-contained, closed product. |
| (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. | Not applicable. | McGraw-Hill Connect is not considered a self-contained, closed product. |

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| **Section 1194.26 Desktop and Portable Computers – Detail**  **VPAT**  **Voluntary Product Accessibility Template** | | |
| ***Criteria*** | **Supporting Features** | **Remarks and Explanations** |
| (a) All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through (4). | Not applicable. | McGraw-Hill Connect is not considered a desktop or portable computer. |
| (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. | McGraw-Hill Connect is not considered a desktop or portable computer. |
| (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. | McGraw-Hill Connect is not considered a desktop or portable computer. |
| (d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards | Not applicable. | McGraw-Hill Connect is not considered a desktop or portable computer. |

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| **Section 1194.31 Functional Performance Criteria – Detail**  **VPAT**  **Voluntary Product Accessibility Template** | | |
| ***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. | Supported with exceptions. | Text-to-speech works on the user interface, with limited exceptions. |
| (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. | Magnifier may be used to zoom in on the screen. |
| (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 with exceptions. | Transcripts are available; closed captioning is provided in limited cases. |
| (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 supported. | Connect does not currently support this requirement. |
| (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. | Supported. | Operation and information retrieval in McGraw-Hill Connect does not require 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. | Supported with exceptions. | Certain types of content are navigable and executable without the requirement of fine motor control or simultaneous actions. |

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| **Section 1194.41 Information, Documentation and Support – Detail**  **VPAT**  **Voluntary Product Accessibility Template** | | |
| ***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 | Not supported. | Online documentation is available at . |
| (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. | McGraw-Hill Connect does not currently offer alternative formats for accessibility information. |
| (c) Support services for products shall accommodate the communication needs of end-users with disabilities. | Not supported. | McGraw-Hill Connect does not offer a teletypewriter (TTY) service for customers who are hearing impaired. |

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The McGraw-Hill Companies regularly updates its websites and provides new information about the accessibility of products as that information becomes available.