### Date: September 12, 2011 Name of Product: Cisco Unified Computing System Manager Version 1.4 Contact for more Information: [accessibility@cisco.com](mailto:accessibility@cisco.com)

Cisco UCS Manager provides unified, embedded management of all software and hardware components of the Cisco Unified Computing System - across multiple chassis and thousands of virtual machines.

Cisco® UCS Manager creates a unified management domain and serves as the central nervous system of the Cisco Unified Computing System. Cisco UCS Manager is embedded device-management software that manages the system from end to end as a single logical entity through an intuitive GUI, a command-line interface (CLI), or an XML API.

The following testing was done on a Windows XP with Freedom Scientific’s JAWs screen reader v 10.0, Microsoft XP Screen Magnifier, Microsoft XP Accessibility Options (Filter keys and Display/Contrast settings), and Microsoft XP On-screen Keyboard.

All changes to UCS 1.4 from previous version 1.3 in terms of functionality or UI methods and behaviors are fully reflected in the integration APIs and CLI. Hence, UCS v1.3 testing and conclusions should be fully applicable to UCS v1.4.

### Summary Table - Voluntary Product Accessibility Template

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| **Criteria** | **Supporting Features** | **Remarks and Explanations** |
| Section 1194.21 Software Applications and Operating Systems | Included | Cisco UCS Manager has a GUI and a CLI for use by server, network, and storage administrators. Cisco UCS Manager also provides a number of APIs for integration with existing data center systems management tools. Some examples of these APIs are Intelligent Platform Management Interface (IPMI), Simple Network Management Protocol (SNMP), and a full-featured XML interface. The XML interface allows the entire system to be monitored or configured externally by upper-level systems management tools. Figure 1 shows the three Cisco UCS Manager management tabs.  This product family leverages a command line interface (CLI). The CLI is inherently 508 conformant because it is text based and relies on keyboard for navigation. All functions administered, configured, and managed through the GUI are also available in the CLI. |
| Section 1194.22 Web-based internet information and applications | Not Applicable |  |
| Section 1194.23 Telecommunications Products | Not Applicable |  |
| Section 1194.24 Video and Multi-media Products | Not Applicable |  |
| Section 1194.25 Self-Contained, Closed Products | Not Applicable |  |
| Section 1194.26 Desktop and Portable Computers | Not Applicable |  |
| Section 1194.31 Functional Performance Criteria | Included |  |
| Section 1194.41 Information, Documentation and Support - Detail | Included |  |

### Section 1194.21 Software Applications and Operating Systems

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| **Clause** | **Criteria** | **Supporting Features** | **Remarks and Explanations** |
| 1194.21(a) | When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually. | Does Not Support | The product does not work with keyboard only navigation: The keyboard focus gets trapped in the content and tabbing does not move focus to the next element. Furthermore, there is limited visible focus of the current location within the application. |
| 1194.21(b) | Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer. | Supports | The following accessibility features are supported: StickyKeys and ToggleKeys. |
| 1194.21(c) | A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes. | Does Not Support | There is no well-defined on-screen indication of the current focus on the interactive interface elements as the input focus changes. The focus is not programmatically exposed to Assistive Technology. |
| 1194.21(d) | Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text. | Does Not Support | The application is not accessible to the screen reader. JAWS does not read anything except the Title of the application. |
| 1194.21(e) | When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance. | Does Not Support | See 1194.21(d) |
| 1194.21(f) | Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes. | Does Not Support | The application is not fully keyboard accessible and the text is not accessible to a screen reader. |
| 1194.21(g) | Applications shall not override user selected contrast and color selections and other individual display attributes. | Does Not Support | The contrast color and text size are not inherited. However, the product does work with a Screen Magnifier, e.g. Microsoft Screen Magnifier. |
| 1194.21(h) | When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user. | Not Applicable | No animations exist in product. |
| 1194.21(i) | Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. | Supports | Color coding is used but it has textual info associated with it. |
| 1194.21(j) | When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided. | Not Applicable | There are no color options available. |
| 1194.21(k) | Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz. | Supports | No instances of blinking or flashing objects in the danger range of 2Hz to 55Hz. |
| 1194.21(l) | When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues. | Does Not Support | Product is not compatible with JAWS the screen reader. |

### Section 1194.31: Functional Performance Criteria – Detail

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| **508 Clause** | **Criteria** | **Supporting Features** | **Remarks and Explanations** |
| 1194.31(a) | At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided. | Supports with Equivalent Facilitation | See remarks in 1194.21 (a)(c)(d)(e)(f)(g)(l)  Product has command line interface (CLI) that permits complete control over configuration which is fully compatible with screen reader technology. |
| 1194.31(b) | At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided. | Supports with Equivalent Facilitation | See Remarks in (c)(g)  Text-based product and is dependent on the application that is used to access the CLI. |
| 1194.31(c) | At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided. | Supports | No audio features in product. |
| 1194.31(d) | Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided. | Not Applicable | No audio features in product. |
| 1194.31(e) | At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided. | Supports | Text-based product and does not require speech. |
| 1194.31(f) | At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided. | Supports with Equivalent Facilitation | See remarks in 1194.22 (a)(d)(f)  Product has command line interface (CLI) that permits complete control over configuration through keyboard. |

### Section 1194.41: Information, Documentation and Support

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| **508 Clause** | **Criteria** | **Supporting Features** | **Remarks and Explanations** |
| 1194.41(a) | Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge | Supports | Accessible documentation is available through Cisco Technical Assistance Center (TAC) upon request. |
| 1194.41(b) | End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge. | Supports | Accessible documentation is available through Cisco Technical Assistance Center (TAC) upon request. |
| 1194.41(c) | Support services for products shall accommodate the communication needs of end-users with disabilities. | Supports | Cisco conforms through equal facilitation.  Customers may reach Cisco Technical Assistance Center (TAC) via Phone, Email or Web Form.   All cases open through email or web are opened as Priority 3 cases.   All Priority 1 or Priority 2 case can only be opened via the telephone.  TTY users must call the Text Relay Service (TRS) by dialing 711 and have the TRS agent contact Cisco TAC via voice. |