

Cisco Accessibility Conformance Report

VPAT® Version 2.0

Name of Product/Version: Cisco Network Service Orchestrator version 4.6

Product Description: Cisco® Network Services Orchestrator (NSO) enabled by Tail-f® is an industry-leading orchestration platform for hybrid networks. It provides comprehensive lifecycle service automation to enable you to design and deliver high-quality services faster and more easily. Cisco NSO provides Command Line Interface (CLI) which is a text based interface that is compatible with all assistive technologies.

Date: March 23, 2018

Contact Information: accessibility@cisco.com

Evaluation Method Used: The following testing was done on a Windows 10 with Freedom Scientific's JAWs screen reader v18, Microsoft Accessibility Options (Filter keys and Display/Contrast settings), and standard Keyboard.

Summary Table - Voluntary Product Accessibility Template

| Standard/Guideline | Included In Report | Remarks and Explanations |
|---|--------------------|--|
| W3C WCAG 2.0 Level A and AA for Web application | Not Applicable | |
| Section 508 Chapter 3: Functional Performance Criteria | Included | |
| Section 508 Chapter 4: Hardware | Not Applicable | |
| W3C WCAG 2.0 Level A and AA for Software application | Included | Command Line Interface (CLI) which is a text based interface that is compatible with all assistive technologies. |
| Section 508 Chapter 5: Software | Included | |
| W3C WCAG 2.0 Level A and AA for Documentation | Included | |
| Section 508 Chapter 6: Support Documentation and Services | Included | |

All contents are Copyright © 1992-2018 Cisco Systems, Inc. All rights reserved.

This information is true and correct to the best of our knowledge as of the Last Updated date printed below; is supplied for market research purposes only; and is subject to change without notice. The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the purchaser.

For more information, please contact: accessibility@cisco.com

Last Updated: March 23, 2018

Section 508 Chapter 3: Functional Performance Criteria – Detail

| Criteria | Description | Status | Remarks and Explanations |
|----------|---|--------------------------|--|
| 302.1 | Without Vision. Where a visual mode of operation is provided, ICT shall provide at least one mode of operation that does not require user vision. | Supports | |
| 302.2 | With Limited Vision. Where a visual mode of operation is provided, ICT shall provide at least one mode of operation that enables users to make use of limited vision. | Supports | |
| 302.3 | Without Perception of Color. Where a visual mode of operation is provided, ICT shall provide at least one visual mode of operation that does not require user perception of color. | Supports | |
| 302.4 | Without Hearing. Where an audible mode of operation is provided, ICT shall provide at least one mode of operation that does not require user hearing. | Supports | |
| 302.5 | With Limited Hearing. Where an audible mode of operation is provided, ICT shall provide at least one mode of operation that enables users to make use of limited hearing. | Supports | |
| 302.6 | Without Speech. Where speech is used for input, control, or operation, ICT shall provide at least one mode of operation that does not require user speech. | Supports | |
| 302.7 | With Limited Manipulation. Where a manual mode of operation is provided, ICT shall provide at least one mode of operation that does not require fine motor control or simultaneous manual operations. | Supports | |
| 302.8 | With Limited Reach and Strength. Where a manual mode of operation is provided, ICT shall provide at least one mode of operation that is operable with limited reach and limited strength. | Supports | |
| 302.9 | With Limited Language, Cognitive, and Learning Abilities. ICT shall provide features making its use by individuals with limited cognitive, language, and learning abilities simpler and easier. | Supports with Exceptions | Support for users with limited language, cognitive, and learning abilities is vary and depends on the user's experience. |

All contents are Copyright © 1992-2018 Cisco Systems, Inc. All rights reserved.

This information is true and correct to the best of our knowledge as of the Last Updated date printed below; is supplied for market research purposes only; and is subject to change without notice. The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the purchaser.

For more information, please contact: accessibility@cisco.com

Last Updated: March 23, 2018

W3C WCAG 2.0 Level A and AA for Software Application – Detail

| Criteria | Description | Status | Remarks and Explanations |
|------------|--|----------------|---------------------------------|
| 1.1.1 (A) | Non text content | Supports | |
| 1.2.1 (A) | Audio-only and Video-only (Prerecorded) | Not Applicable | There is no multimedia content. |
| 1.2.2 (A) | Captions (Prerecorded) | Not Applicable | There is no multimedia content. |
| 1.2.3 (A) | Audio Description or Media Alternative (Prerecorded) | Not Applicable | There is no multimedia content. |
| 1.2.4 (AA) | Captions (Live) | Not Applicable | There is no multimedia content. |
| 1.2.5 (AA) | Audio Description (Prerecorded) | Not Applicable | There is no multimedia content. |
| 1.3.1 (A) | Info and Relationships | Supports | |
| 1.3.2 (A) | Meaningful Sequence | Supports | |
| 1.3.3 (A) | Sensory Characteristics | Supports | |
| 1.4.1 (A) | Use of Color | Supports | |
| 1.4.2 (A) | Audio Control | Supports | |
| 1.4.3 (AA) | Contrast (Minimum) | Supports | |
| 1.4.4 (AA) | Resize Text | Supports | |
| 1.4.5 (AA) | Images of Text | Supports | |
| 2.1.1 (A) | Keyboard | Supports | |
| 2.1.2 (A) | No Keyboard Trap | Supports | |
| 2.2.1 (A) | Timing Adjustable | Supports | |
| 2.2.2 (A) | Pause, Stop, Hide | Supports | |
| 2.3.1 (A) | Three Flashes or Below Threshold | Supports | |
| 2.4.1 (A) | Bypass Blocks | Not Applicable | Not Applicable for Software. |
| 2.4.2 (A) | Page Titled | Supports | |
| 2.4.3 (A) | Focus Order | Supports | |
| 2.4.4 (A) | Link Purpose (In Context) | Supports | |
| 2.4.5 (AA) | Multiple Ways | Not Applicable | Not Applicable for Software. |
| 2.4.6 (AA) | Headings and Labels | Supports | |
| 2.4.7 (AA) | Focus Visible | Supports | |
| 3.1.1 (A) | Language of Page | Supports | |
| 3.1.2 (AA) | Language of Parts | Supports | |

All contents are Copyright © 1992-2018 Cisco Systems, Inc. All rights reserved.

This information is true and correct to the best of our knowledge as of the Last Updated date printed below; is supplied for market research purposes only; and is subject to change without notice. The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the purchaser.

For more information, please contact: accessibility@cisco.com

Last Updated: March 23, 2018

| | | | |
|------------|---|----------------|------------------------------|
| 3.2.1 (A) | On Focus | Supports | |
| 3.2.2 (A) | On Input | Supports | |
| 3.2.3 (AA) | Consistent Navigation | Not Applicable | Not Applicable for Software. |
| 3.2.4 (AA) | Consistent Identification | Not Applicable | Not Applicable for Software. |
| 3.3.1 (A) | Error Identification | Supports | |
| 3.3.2 (A) | Labels or Instructions | Supports | |
| 3.3.3 (AA) | Error Suggestion | Supports | |
| 3.3.4 (AA) | Error Prevention (Legal, Financial, Data) | Supports | |
| 4.1.1 (A) | Parsing | Supports | |
| 4.1.2 (A) | Name, Role, Value | Supports | |

All contents are Copyright © 1992-2018 Cisco Systems, Inc. All rights reserved.

This information is true and correct to the best of our knowledge as of the Last Updated date printed below; is supplied for market research purposes only; and is subject to change without notice. The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the purchaser.

For more information, please contact: accessibility@cisco.com

Last Updated: March 23, 2018

Section 508 Chapter 5: Software - Detail

| Criteria | Description | Status | Remarks and Explanations |
|----------|--|----------------|---|
| 501.1 | Scope – Incorporation of WCAG 2.0 | Supports | See “WCAG 2.0 Level A and AA” table for software. |
| 502.2.1 | User Control of Accessibility Features. Platform software shall provide user control over platform features that are defined in the platform documentation as accessibility features. | Not Applicable | This product is not a platform software. |
| 502.2.2 | No Disruption of Accessibility Features. Software shall not disrupt platform features that are defined in the platform documentation as accessibility features. | Supports | |
| 502.3.1 | Object Information. The object role, state(s), properties, boundary, name, and description shall be programmatically determinable | Not Applicable | This product is not a platform software. |
| 502.3.2 | Modification of Object Information. States and properties that can be set by the user shall be capable of being set programmatically, including through assistive technology. | Not Applicable | This product is not a platform software. |
| 502.3.3 | Row, Column, and Headers. If an object is in a data table, the occupied rows and columns, and any headers associated with those rows or columns, shall be programmatically determinable. | Not Applicable | This product is not a platform software. |
| 502.3.4 | Values. Any current value(s), and any set or range of allowable values associated with an object, shall be programmatically determinable. | Not Applicable | This product is not a platform software. |
| 502.3.5 | Modification of Values. Values that can be set by the user shall be capable of being set programmatically, including through assistive technology. | Not Applicable | This product is not a platform software. |
| 502.3.6 | Label Relationships. Any relationship that a component has as a label for another component, or of being labeled by another component, shall be programmatically determinable. | Not Applicable | This product is not a platform software. |

All contents are Copyright © 1992-2018 Cisco Systems, Inc. All rights reserved.

This information is true and correct to the best of our knowledge as of the Last Updated date printed below; is supplied for market research purposes only; and is subject to change without notice. The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the purchaser.

For more information, please contact: accessibility@cisco.com

Last Updated: March 23, 2018

| | | | |
|----------|--|----------------|--|
| 502.3.7 | Hierarchical Relationships. Any hierarchical (parent-child) relationship that a component has as a container for, or being contained by, another component shall be programmatically determinable. | Not Applicable | This product is not a platform software. |
| 502.3.8 | Text. The content of text objects, text attributes, and the boundary of text rendered to the screen, shall be programmatically determinable. | Not Applicable | This product is not a platform software. |
| 502.3.9 | Modification of Text. Text that can be set by the user shall be capable of being set programmatically, including through assistive technology. | Not Applicable | This product is not a platform software. |
| 502.3.10 | List of Actions. A list of all actions that can be executed on an object shall be programmatically determinable. | Not Applicable | This product is not a platform software. |
| 502.3.11 | Actions on Objects. Applications shall allow assistive technology to programmatically execute available actions on objects. | Not Applicable | This product is not a platform software. |
| 502.3.12 | Focus Cursor. Applications shall expose information and mechanisms necessary to track focus, text insertion point, and selection attributes of user interface components. | Not Applicable | This product is not a platform software. |
| 502.3.13 | Modification of Focus Cursor. Focus, text insertion point, and selection attributes that can be set by the user shall be capable of being set programmatically, including through the use of assistive technology. | Not Applicable | This product is not a platform software. |
| 502.3.14 | Event Notification. Notification of events relevant to user interactions, including but not limited to, changes in the component's state(s), value, name, description, or boundary, shall be available to assistive technology. | Not Applicable | This product is not a platform software. |
| 502.4 | Platform Accessibility Features. Platforms and platform software shall conform to the requirements in ANSI/HFES 200.2, Human Factors Engineering of Software User Interfaces—Part 2: Accessibility (2008) (incorporated by reference, see 702.4.1) listed below: | Not Applicable | This product is not a platform software. |

All contents are Copyright © 1992-2018 Cisco Systems, Inc. All rights reserved.

This information is true and correct to the best of our knowledge as of the Last Updated date printed below; is supplied for market research purposes only; and is subject to change without notice. The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the purchaser.

For more information, please contact: accessibility@cisco.com

Last Updated: March 23, 2018

| | | | |
|---------|---|----------------|---|
| | A. Section 9.3.3 Enable sequential entry of multiple (chorded) keystrokes; B. Section 9.3.4 Provide adjustment of delay before key acceptance; C. Section 9.3.5 Provide adjustment of same-key double-strike acceptance; D. Section 10.6.7 Allow users to choose visual alternative for audio output; E. Section 10.6.8 Synchronize audio equivalents for visual events; F. Section 10.6.9 Provide speech output services; and G. Section 10.7.1 Display any captions provided. | | |
| 503.2 | User Preferences. Applications shall permit user preferences from platform settings for color, contrast, font type, font size, and focus cursor. | Supports | |
| 503.3 | Alternative User Interfaces. Where an application provides an alternative user interface that functions as assistive technology, the application shall use platform and other industry standard accessibility services. | Not Applicable | There is no alternate user interface used as assistive technology for this product. |
| 503.4.1 | Caption Controls. Where user controls are provided for volume adjustment, ICT shall provide user controls for the selection of captions at the same menu level as the user controls for volume or program selection. | Not Applicable | There is no multimedia content. |
| 503.4.2 | Audio Description Controls. Where user controls are provided for program selection, ICT shall provide user controls for the selection of audio descriptions at the same menu level as the user controls for volume or program selection. | Not Applicable | There is no multimedia content. |
| 504.2 | Content Creation or Editing. Authoring tools shall provide a mode of operation to create or edit content that conforms to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1) for all supported features and, as applicable, to file formats supported by the authoring tool. Authoring tools shall | Not Applicable | This product is not an authoring tool. |

All contents are Copyright © 1992-2018 Cisco Systems, Inc. All rights reserved.

This information is true and correct to the best of our knowledge as of the Last Updated date printed below; is supplied for market research purposes only; and is subject to change without notice. The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the purchaser.

For more information, please contact: accessibility@cisco.com

Last Updated: March 23, 2018

| | | | |
|---------|---|----------------|--|
| | permit authors the option of overriding information required for accessibility. | | |
| 504.2.1 | Preservation of Information Provided for Accessibility in Format Conversion. Authoring tools shall, when converting content from one format to another or saving content in multiple formats, preserve the information required for accessibility to the extent that the information is supported by the destination format. | Not Applicable | This product is not an authoring tool. |
| 504.2.2 | PDF Export. Authoring tools capable of exporting PDF files that conform to ISO 32000-1:2008 (PDF 1.7) shall also be capable of exporting PDF files that conform to ANSI/AIIM/ISO 14289-1:2016 (PDF/UA-1) | Not Applicable | This product is not an authoring tool. |
| 504.3 | Prompts. Authoring tools shall provide a mode of operation that prompts authors to create content that conforms to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1) for supported features and, as applicable, to file formats supported by the authoring tool. | Not Applicable | This product is not an authoring tool. |
| 504.4 | Templates. Where templates are provided, templates allowing content creation that conforms to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1) shall be provided for a range of template uses for supported features and, as applicable, to file formats supported by the authoring tool. | Not Applicable | This product is not an authoring tool. |

All contents are Copyright © 1992-2018 Cisco Systems, Inc. All rights reserved.

This information is true and correct to the best of our knowledge as of the Last Updated date printed below; is supplied for market research purposes only; and is subject to change without notice. The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the purchaser.

For more information, please contact: accessibility@cisco.com

Last Updated: March 23, 2018

W3C WCAG 2.0 Level A and AA for Documentation – Detail

| Criteria | Description | Status | Remarks and Explanations |
|------------|--|--------------------------|--|
| 1.1.1 (A) | Non text content | Supports with Exceptions | Some non-text content does not fully support screen reader software. |
| 1.2.1 (A) | Audio-only and Video-only (Prerecorded) | Not Applicable | There is no multimedia content. |
| 1.2.2 (A) | Captions (Prerecorded) | Not Applicable | There is no multimedia content. |
| 1.2.3 (A) | Audio Description or Media Alternative (Prerecorded) | Not Applicable | There is no multimedia content. |
| 1.2.4 (AA) | Captions (Live) | Not Applicable | There is no multimedia content. |
| 1.2.5 (AA) | Audio Description (Prerecorded) | Not Applicable | There is no multimedia content. |
| 1.3.1 (A) | Info and Relationships | Supports with Exceptions | Some data tables are not fully supported with screen reader. Some headings are not in logical hierarchy order. |
| 1.3.2 (A) | Meaningful Sequence | Supports | |
| 1.3.3 (A) | Sensory Characteristics | Supports | |
| 1.4.1 (A) | Use of Color | Supports | |
| 1.4.2 (A) | Audio Control | Supports | |
| 1.4.3 (AA) | Contrast (Minimum) | Supports | |
| 1.4.4 (AA) | Resize Text | Supports | |
| 1.4.5 (AA) | Images of Text | Supports | |
| 2.1.1 (A) | Keyboard | Supports | |
| 2.1.2 (A) | No Keyboard Trap | Supports | |
| 2.2.1 (A) | Timing Adjustable | Supports | |
| 2.2.2 (A) | Pause, Stop, Hide | Supports | |
| 2.3.1 (A) | Three Flashes or Below Threshold | Supports | |
| 2.4.1 (A) | Bypass Blocks | Supports with Exceptions | The user guide does not have a method to skip repetitive navigation links. |
| 2.4.2 (A) | Page Titled | Supports | |
| 2.4.3 (A) | Focus Order | Supports | |
| 2.4.4 (A) | Link Purpose (In Context) | Supports | |
| 2.4.5 (AA) | Multiple Ways | Supports | |
| 2.4.6 (AA) | Headings and Labels | Supports | |

All contents are Copyright © 1992-2018 Cisco Systems, Inc. All rights reserved.

This information is true and correct to the best of our knowledge as of the Last Updated date printed below; is supplied for market research purposes only; and is subject to change without notice. The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the purchaser.

For more information, please contact: accessibility@cisco.com

Last Updated: March 23, 2018

| | | | |
|------------|---|--------------------------|--|
| 2.4.7 (AA) | Focus Visible | Supports | |
| 3.1.1 (A) | Language of Page | Supports with Exceptions | Some pages do not have LANG attribute. |
| 3.1.2 (AA) | Language of Parts | Not Applicable | There is only one language used on the webpages. |
| 3.2.1 (A) | On Focus | Supports | |
| 3.2.2 (A) | On Input | Supports | |
| 3.2.3 (AA) | Consistent Navigation | Supports | |
| 3.2.4 (AA) | Consistent Identification | Supports | |
| 3.3.1 (A) | Error Identification | Supports | |
| 3.3.2 (A) | Labels or Instructions | Supports | |
| 3.3.3 (AA) | Error Suggestion | Supports | |
| 3.3.4 (AA) | Error Prevention (Legal, Financial, Data) | Supports | |
| 4.1.1 (A) | Parsing | Supports with Exceptions | Some elements do not have unique ID on a page. |
| 4.1.2 (A) | Name, Role, Value | Supports with Exceptions | Some widgets do not have corrected Name, Role and Value. |

All contents are Copyright © 1992-2018 Cisco Systems, Inc. All rights reserved.

This information is true and correct to the best of our knowledge as of the Last Updated date printed below; is supplied for market research purposes only; and is subject to change without notice. The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the purchaser.

For more information, please contact: accessibility@cisco.com

Last Updated: March 23, 2018

Section 508 Chapter 6: Support Documentation and Services – Detail

| Criteria | Description | Status | Remarks and Explanations |
|----------|--|--------------------------|---|
| 602.2 | Accessibility and Compatibility Features. Documentation shall list and explain how to use the accessibility and compatibility features required by Chapters 4 and 5. Documentation shall include accessibility features that are built-in and accessibility features that provide compatibility with assistive technology. | Does Not Support | The documentation does not provide accessibility and compatibility features. |
| 602.3 | Electronic Support Documentation. Documentation in electronic format, including Web-based self-service support, shall conform to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0. | Supports with Exceptions | For exceptions, please see “WCAG 2.0 Level A and AA for Documentation” table. |
| 602.4 | Alternate Formats for Non-Electronic Support Documentation. Where support documentation is only provided in non-electronic formats, alternate formats usable by individuals with disabilities shall be provided upon request. | Supports | |
| 603.2 | Information on Accessibility and Compatibility Features. ICT support services shall include information on the accessibility and compatibility features required by 602.2. | Supports | Contact Cisco accessibility team via email, accessibility@cisco.com for more information. |
| 603.3 | Accommodation of Communication Needs. Support services shall be provided directly to the user or through a referral to a point of contact. Such ICT support services shall accommodate the communication needs of individuals 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 or their state Video Relay Service (VRS) and have the TRS agent contact Cisco TAC via voice. |

All contents are Copyright © 1992-2018 Cisco Systems, Inc. All rights reserved.

This information is true and correct to the best of our knowledge as of the Last Updated date printed below; is supplied for market research purposes only; and is subject to change without notice. The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the purchaser.

For more information, please contact: accessibility@cisco.com

Last Updated: March 23, 2018

Supporting Feature (Status) Terminology

The result of "Accessibility Testing" assists in the determination of the Supporting Features.

| Supporting Features or Status | Description |
|-------------------------------|---|
| Supports | Use this language when you determine the product fully meets the intent of the criteria or meets with equivalent facilitation. If the product meets equivalent facilitation, please document it in the "Remarks and Explanations" column. |
| Supports with Exceptions | Use this language when you determine the product does not fully meet the intent of the criteria, but provides some level of access relative to the criteria. Please document the exception in the "Remarks and Explanations" column. |
| Does not Support | Use this language when you determine the product does not meet the intent of the criteria. Please document the reason in the "Remarks and Explanations" column. |
| Not Applicable | Use this language when you determine that the criteria do not apply to the specific product. For example, many web applications do not have video content the "Not Applicable" can be used. Please state, "The application does not have any video content" in the "Remarks and Explanations" column. |
| Not Evaluated | Use this language when the product has not been evaluated. |

All contents are Copyright © 1992-2018 Cisco Systems, Inc. All rights reserved.

This information is true and correct to the best of our knowledge as of the Last Updated date printed below; is supplied for market research purposes only; and is subject to change without notice. The contents of this document do not constitute either legal advice, representation, warranty or guarantee regarding a person's ability to comply with applicable accessibility requirements. Such a determination is the sole responsibility of the purchaser.

For more information, please contact: accessibility@cisco.com

Last Updated: March 23, 2018