Red Hat Accessibility Conformance Report Revised Section 508 Edition

VPAT® Version 2.3 (Revised) - April 2019

Name of Product/Version: 3scale API management 2.7

Product Description: Web based software to manage API's

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Notes:

Evaluation Methods Used: Conformance to the listed accessibility standards has been evaluated by Red Hat using static analysis tools (<u>Deque Axe v4.3.0</u>).

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes) Level AA (Yes) Level AAA (Yes)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports**: The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- Partially Supports: Some functionality of the product does not meet the criterion.
- Does Not Support: The majority of product functionality does not meet the criterion.
- Not Applicable: The criterion is not relevant to the product.
- Not Evaluated: The product has not been evaluated against the criterion. This can be used only in WCAG 2.0 Level AAA.

WCAG 2.0 Report

Tables 1 and 2 also document conformance with:

- Chapter 5 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the <a href="https://www.wcag.uc.nc/w

Table 1: Success Criteria, Level A

Notes: Software is a browser based web application. It includes a section with an authoring tool. Conformance levels apply to all components of the software and are labeled as 'Application'.

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application: Partially supports Electronic Docs: Supports	Application: Uses standard HTML techniques for providing text equivalents of non-text elements. This includes the use of "alt" attributes for images. Font based icons don't always have a text label. Electronic Docs: Uses standard HTML techniques for providing text equivalents of non-text elements. This includes the use of "alt" attributes for images.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Application, Electronic Docs: Not applicable	Application, Electronic Docs: Doesn't use any media other than text and images.
1.2.2 Captions (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software)	Application, Electronic Docs: Not applicable	Application, Electronic Docs: Doesn't use any media other than text and images.

504.2 (Authoring Tool)602.3 (Support Docs)		
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Not applicable	Application, Electronic Docs: Doesn't use any media other than text and images.
1.3.1 Info and Relationships (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Supports	Application, Electronic Docs: Uses semantically-correct markup so that information, structure, and relationships can be understood independent of presentation.
1.3.2 Meaningful Sequence (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Supports	Application, Electronic Docs: Page elements are ordered in a meaningful way.
1.3.3 Sensory Characteristics (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Partially Supports	Application, Electronic Docs: The majority of components do not rely solely on sensory characteristics to convey instructions for understanding and operating content. A few font based icons do.
1.4.1 Use of Color (Level A) Also applies to: Revised Section 508	Application, Electronic Docs: Partially supports	Application, Electronic Docs: Color is mostly used as a decorative or supplemental attribute of user interface elements. In a few cases color conveys feedback about the state of an action.
1.4.2 Audio Control (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool)	Application, Electronic Docs: Not applicable	Application, Electronic Docs: Doesn't use synchronized media

• 602.3 (Support Docs)		
2.1.1 Keyboard (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application: Partially supports Electronic Docs: Supports	Application: Allows for keyboard operation for most functionality but not all. Electronic Docs: All functionality of the content is operable through a
2.1.2 No Keyboard Trap (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application: Does not support Electronic Docs: Supports	keyboard interface. Electronic Docs: Users can move freely across content by only using keyboard input.
2.2.1 Timing Adjustable (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Not applicable	Application, Electronic Docs: No functionalities require a time limit.
2.2.2 Pause, Stop, Hide (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application: Partially supports Electronic Docs: Not Applicable	Application: Supported except for onboarding on admin portal where a blinking circle is used to catch the user's attention. Electronic Docs: No automatically moving, blinking, scrolling, or auto-updating information is displayed.
2.3.1 Three Flashes or Below Threshold (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Not Applicable	Application, Electronic Docs: Doesn't feature flashing items in the interface.
2.4.1 Bypass Blocks (Level A) Also applies to: Revised Section 508	Application, Electronic Docs: Partially supports	Application, Electronic Docs:

 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs 2.4.2 Page Titled (Level A) Also applies to: Revised Section 508 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Application, Electronic Docs: Supports	Provides heading elements at the beginning of each section of content, so that it is possible for users with assistive technology to jump directly to the appropriate heading and begin reading the content. Application, Electronic Docs: Web pages have descriptive titles that indicate the topic or purpose of each page.
2.4.3 Focus Order (Level A) Also applies to: Revised Section 508	Application, Electronic Docs: Supports	Application, Electronic Docs: Uses semantically correct markup, ensuring that the markup matches the visual presentation of content on the page.
2.4.4 Link Purpose (In Context) (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application: Partially supports Electronic Docs: Supports	Application: The vast majority of links provide text that allows link's purpose to be easily determined. A few icon links are present, for which the purpose can be determined by their context. Electronic Docs: The purpose of each link can be determined from the link text alone or from the link text together with its programmatically determined link context
3.1.1 Language of Page (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Supports	Application, Electronic Docs: Uses the language attribute on the HTML element to specify the default language of a page.
3.2.1 On Focus (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool)	Application, Electronic Docs: Supports	Application, Electronic Docs: When a component of the user interface receives focus, it does not initiate a change of context.

• 602.3 (Support Docs)		
3.2.2 On Input (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Partially Supports	Application, Electronic Docs: Some input fields automatically filter content on input.
3.3.1 Error Identification (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application: Supports Electronic Docs: No Applicable	Application: Provides highlight of an input component when an error is automatically detected and the error is described to the user in text. Electronic Docs: Users can't provide custom information through input fields. All input fields offer a set of system defined options.
3.3.2 Labels or Instructions (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Supports	Application, Electronic Docs: Labels or instructions are always provided adjacent to components that require user input.
4.1.1 Parsing (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application: Partially Supports Electronic Docs: Supports	Application: Uses semantically-correct markup for all interface elements. A few elements share same id. Electronic Docs: Uses semantically-correct markup for all interface elements.
4.1.2 Name, Role, Value (Level A) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Partially Supports	Application, Electronic Docs: For most user interface components the name and role can be programmatically determined.

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Not applicable	Application, Electronic Docs: Doesn't use synchronized media
1.2.5 Audio Description (Prerecorded) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Not applicable	Application, Electronic Docs: Doesn't use synchronized media
1.4.3 Contrast (Minimum) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Partially supports	Application, Electronic Docs: Titles, navigation and paragraph text provide sufficient contrast.
1.4.4 Resize text (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Supports	Application: Supports standard zoom capabilities built into modern web browsers and operating systems, also includes technology to resize text content according to viewport size. Electronic Docs: Supports standard zoom capabilities built into modern web browsers and operating systems.
1.4.5 Images of Text (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Supports	Application, Electronic Docs: Does not use images of text, except for logotypes.

 2.4.5 Multiple Ways (Level AA) Also applies to: Revised Section 508 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs 	Application: Partially Supports Electronic Docs: Supports	Application: All pages can be reached from the main navigation sidebar. Some pages can also be reached from the main context switch in the masthead, and from related pages. Electronic Docs: A table of content is available, and most pages link to related pages.
2.4.6 Headings and Labels (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Supports	Application, Electronic Docs: Headings and labels describe topic or purpose and use semantically-correct markup.
2.4.7 Focus Visible (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application: Partially Supports Electronic Docs: Partially supports	Application: Navigation items and input components do support focus Electronic Docs: All interactable UI components are highlighted when they receive focus. Some menus hidden by default won't automatically be displayed when one contained component receives focus.
3.1.2 Language of Parts (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application, Electronic Docs: Not Applicable	Application, Electronic Docs: Only supports the English language
3.2.3 Consistent Navigation (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 3.2.4 Consistent Identification (Level AA)	Application, Electronic Docs: Supports Application,	Application, Electronic Docs: Uses the same navigation mechanisms across pages. Application,
Also applies to:	Electronic Docs:	Electronic Docs:

Revised Section 508 • 501 (Web)(Software) – Does not apply to non-web software	Supports	Components that have the same functionality within a set of Web pages are identified consistently.
 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs 		
3.3.3 Error Suggestion (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Application: Partially supports Electronic Docs: Not Applicable	Application: Input error are automatically detected, in some cases suggestions for correction are provided to the user. In other cases only the error is shown. Electronic Docs: Users can't provide custom information through input fields. All input fields offer a set of system defined options.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: Revised Section 508 • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports Electronic Docs: Not Applicable	Application: Data entered by the user is checked for input errors and the user is provided an opportunity to correct them. Electronic Docs: No Web pages that cause legal commitments or financial transactions are available.

Table 3: Success Criteria, Level AAA

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA)		
Also applies to:	Web: Not Applicable	Web: Doesn't use synchronized media
Revised Section 508 – Does not apply		
1.2.7 Extended Audio Description (Prerecorded) (Level AAA)		
Also applies to:	Web: Not Applicable	Web: Doesn't use synchronized media
Revised Section 508 – Does not apply		
1.2.8 Media Alternative (Prerecorded) (Level AAA)		
Also applies to:	Web: Not Applicable	Web: Doesn't use synchronized media
Revised Section 508 – Does not apply		
1.2.9 Audio-only (Live) (Level AAA)		
Also applies to:	Web: Not Applicable	Web: Doesn't use audio
Revised Section 508 – Does not apply		

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1.4.6 Contrast Enhanced (Level AAA)		
Also applies to:	Web: Does Not Support	
Revised Section 508 – Does not apply		
1.4.7 Low or No Background Audio (Level AAA)		
Also applies to:	Web: Not Applicable	Web: Doesn't use audio
Revised Section 508 – Does not apply		
1.4.8 Visual Presentation (Level AAA)		Web: Text is left aligned, line spacing is a
Also applies to:	Web: Partially supports	space-and-a-half within paragraphs, and a full line of
Revised Section 508 – Does not apply		text can still be read without scrolling at 200% zoom.
1.4.9 Images of Text (No Exception) Control (Level AAA)		
Also applies to:	Web: Supports	Web: Images of text are only used for logotypes
Revised Section 508 – Does not apply		
2.1.3 Keyboard (No Exception) (Level AAA)		
Also applies to:	Web: Does Not Support	
Revised Section 508 – Does not apply		
2.2.3 No Timing (Level AAA)		
Also applies to:	Web: Supports	Web: No functionalities require a time limit.
Revised Section 508 – Does not apply		
2.2.4 Interruptions (Level AAA)		
Also applies to:	Web: Not Applicable	Web: Content only gets updated on page refresh
Revised Section 508 – Does not apply		
2.2.5 Re-authenticating (Level AAA)		
Also applies to:	Web: Not Applicable	
Revised Section 508 – Does not apply		Sessions last until user closes the browser.
2.3.2 Three Flashes (Level AAA)		Web: No components flash more than three times per
Also applies to:	Web: Supports	second. Actually only one component features flashing
Revised Section 508 – Does not apply		across the whole UI.
		Web: The combination of the context switcher in the
2.4.8 Location (Level AAA)		masthead and the section navigation in the sidebar
Also applies to:	Web: Supports	constantly provides user with information about
Revised Section 508 – Does not apply		location
2.4.9 Link Purpose (Link Only) (Level AAA)		
Also applies to:	Web: Partially supports	Web: purpose of most links can be identified from link
Revised Section 508 – Does not apply	,	text alone
2.4.10 Section Headings (Level AAA)		
Also applies to:	Web: Supports	Web: At least one Heading element is used on every
Revised Section 508 – Does not apply		page
	1	

3.1.3 Unusual Words (Level AAA) Also applies to: Revised Section 508 – Does not apply	Web: Does Not Support	
3.1.4 Abbreviations (Level AAA) Also applies to: Revised Section 508 – Does not apply	Web: Does Not Support	
3.1.5 Reading Level (Level AAA) Also applies to: Revised Section 508 – Does not apply	Web: Partially supports	Web: The content is written in a form that makes it easy to read, but features technical language that would imply knowledge of the topic.
3.1.6 Pronunciation (Level AAA) Also applies to: Revised Section 508 – Does not apply	Web: Supports	Web: There are no instances where words pronunciation invalidate content comprehension.
3.2.5 Change on Request (Level AAA) Also applies to: Revised Section 508 – Does not apply	Web: Not Applicable	Web: Content only gets updated on page refresh or form submit
3.3.5 Help (Level AAA) Also applies to: Revised Section 508 – Does not apply	Web: Supports	Web: Help is available in the form of
3.3.6 Error Prevention (All) (Level AAA) Also applies to: Revised Section 508 – Does not apply	Web: Supports	Web: Data entered by the user is checked for input errors and in cases where it makes sense A mechanism is available for reviewing, confirming, and correcting information before finalizing the submission

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Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Does Not Support	
	Partially Supports	The product supports standard browser
302.2 With Limited Vision		magnification, but does not support WCAG
		minimum contrast ratio
		Color is only used as a decorative or
	Supports	supplemental attribute of user interface
302.3 Without Perception of Color		elements. A textual representation is
		always used as the primary mechanism for
		conveying information.
302.4 Without Hearing	Not Applicable	The product does not include audio-only
502.4 Without rearing	140t Applicable	features that require hearing to be used.
302.5 With Limited Hearing	Not Applicable	The product does not include audio-only
502.5 With Ennited Ficulting		features that require hearing to be used.
302.6 Without Speech	Not Applicable	The product does not require speech
502.0 Without Speech		input.
	Supports	The product supports standard input
302.7 With Limited Manipulation		mechanisms such as user-provided
		keyboards and pointing devices. Usage of
		the product does not require fine motor
		controls nor simultaneous actions.
302.8 With Limited Reach and Strength	Not Applicable	
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	The product features easy to read content,
		but implies technical IT knowledge to be
		used.

Chapter 4: <u>Hardware</u>

Notes: The product is a web software application and is not subject to the requirements of this section.

Chapter 5: Software

Criteria	Conformance Level	Remarks and Explanations

501.1 Scope – Incorporation of WCAG 2.0 AA	See <u>WCAG 2.0</u> section	See information in WCAG 2.0 section
502 Interoperability with Assistive Technology	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Supports	The product supports platform level accessibility features as enabled by the user.
502.2.2 No Disruption of Accessibility Features	Supports	The product does not disrupt the platform's accessibility features enabled by the user.
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Partially Supports	The object role, state(s), properties, boundary, name, and description are mostly programmatically determinable through DOM.
502.3.2 Modification of Object Information	Supports	States and properties that can be set by the user are capable of being set programmatically through DOM.
502.3.3 Row, Column, and Headers	Supports	Rows, columns, and any headers associated with those rows or columns, are programmatically determinable through DOM.
502.3.4 Values	Partially Supports	All current value(s), and some set or range of allowable values associated with an object, are programmatically determinable through DOM.
502.3.5 Modification of Values	Supports	Values that can be set by the user are capable of being set programmatically, including through assistive technology through DOM.
502.3.6 Label Relationships	Supports	All labels for input fields are explicitly related to the input field.
502.3.7 Hierarchical Relationships	Partially Supports	Most relationships that a component has as a label for another component, or of being labeled by another component, are programmatically determinable through DOM.
502.3.8 Text	Supports	The content of text objects, text attributes, and the boundary of text rendered to the screen, is programmatically determinable through DOM.
502.3.9 Modification of Text	Supports	Text that can be set by the user are capable of being set programmatically,

		including through assistive technology through DOM.
502.3.10 List of Actions	Supports	A list of all actions that can be executed on an object is programmatically determinable through DOM
502.3.11 Actions on Objects	Supports	Application allows assistive technology to programmatically execute available actions on objects through DOM.
502.3.12 Focus Cursor	Supports	Information and mechanisms necessary to track focus, text insertion point, and selection attributes of user interface components are exposed through DOM.
502.3.13 Modification of Focus Cursor	Supports	Focus, text insertion point, and selection attributes that can be set by the user are capable of being set programmatically, including through the use of assistive technolog through DOM.
502.3.14 Event Notification	Supports	Notification of events relevant to user interactions, including but not limited to, changes in the component's state(s), value, name, description, or boundary, are available to assistive technology through DOM
502.4 Platform Accessibility Features	Not Applicable	The product is not considered platform software.
503 Applications	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Supports	The product respects user preferences from platform or OS settings.
503.3 Alternative User Interfaces	Not Applicable	The product does not provide any alternative user interfaces that function as assistive technology.
503.4 User Controls for Captions and Audio Description	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Not Applicable	The product does not feature any synchronized media.
503.4.2 Audio Description Controls	Not Applicable	The product does not feature any synchronized media.
504 Authoring Tools	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	See <u>WCAG 2.0</u> section	See information in WCAG 2.0 section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not Applicable	The product is not required to conform because it is used to directly edit source code.

504.2.2 PDF Export	Not Applicable	The product is not required to conform because it is used to directly edit source code.
504.3 Prompts	Partially Supports	The product prompts users to create content that conforms with file formats supported by the authoring tool, but doesn't prompt users about Conformance Requirements in WCAG 2.0
504.4 Templates	Does Not Support	The provided templates does not meet Conformance Requirements in WCAG 2.0

Chapter 6: Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Does Not Support	Documentation does not list and explain how to use the accessibility and compatibility features.
602.3 Electronic Support Documentation	See WCAG 2.0 section	See information in WCAG 2.0 section
602.4 Alternate Formats for Non-Electronic Support Documentation	Not Applicable	Support documentation is provided in electronic format.
603 Support Services	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	Support services shall include information on the accessibility and compatibility features
603.3 Accommodation of Communication Needs	Supports	Support services accommodate the communication needs of individuals with disabilities.