

Apple Accessibility Conformance Report

Based on Voluntary Product Accessibility Template® (VPAT®)

Name of Product: Motion 5.6

Product Description: Motion graphics application for macOS.

Date: September 29, 2021

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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 criteria without known defects or meets with equivalent facilitation.
- **Supports with Exceptions:** Some functionality of the product does not meet the criteria.
- **Does Not Support:** Majority of functionality of the product does not meet the criteria.
- **Not Applicable:** The criteria are not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criteria. This can be used only with WCAG 2.0 Level AAA.

WCAG 2.0 Report -

Table 1: Conformance Criteria, Level A -

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content: All non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except in situations listed in WCAG 2.0 1.1.1.	Supports with Exceptions	Motion allows users to include non-text content for which there is no text alternative
1.2.1 Audio-only and Video-only (Prerecorded): For prerecorded audio-only and prerecorded video-only media, the following are true, except when the audio or video is a media alternative for text and is clearly labeled as such: <ul style="list-style-type: none">• Prerecorded Audio-only: An alternative for time-based media is provided that presents equivalent information for prerecorded audio-only content.• Prerecorded Video-only: Either an alternative for time-based media or an audio track is provided that presents equivalent information for prerecorded video-only content.	Does Not Support	
1.2.2 Captions (Prerecorded): Captions are provided for all prerecorded audio content in synchronized media, except when the media is a media alternative for text and is clearly labeled as such.	Does Not Support	

Criteria	Conformance Level	Remarks and Explanations
1.2.3 Audio Description or Media Alternative (Prerecorded): An alternative for time-based media or audio description of the prerecorded video content is provided for synchronized media, except when the media is a media alternative for text and is clearly labeled as such.	Does Not Support	
1.3.1 Info and Relationships: Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.	Supports	VoiceOver provides descriptions of the structure and relationships of user interface elements. For example, in the layer list it provides the row number of the currently selected item.
1.3.2 Meaningful Sequence: When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.	Supports with Exceptions	VoiceOver provides a correct reading sequence of content in standard UI elements such as table views. However, accessibility conformance is limited in custom UI elements, such as the timeline.
1.3.3 Sensory Characteristics: Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, size, visual location, orientation, or sound.	Does Not Support	
1.4.1 Use of Color: Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Supports with Exceptions	Motion uses color to convey information, for instance selection. macOS's accessibility features allow the UI to be rendered in greyscale or inverted colors, which Motion will respect. However, some information is conveyed through color which does not have an alternative, such as key focus.
1.4.2 Audio Control: If any audio on a Web page plays automatically for more than 3 seconds, either a mechanism is available to pause or stop the audio, or a mechanism is available to control audio volume independently from the overall system volume level.	Supports	

Criteria	Conformance Level	Remarks and Explanations
2.1.1 Keyboard: All functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes, except where the underlying function requires input that depends on the path of the user's movement and not just the endpoints.	Supports with Exceptions	Motion supports keyboard access in many areas, for example the inspector, however navigating between panels with the keyboard is not possible.
2.1.2 No Keyboard Trap: If keyboard focus can be moved to a component of the page using a keyboard interface, then focus can be moved away from that component using only a keyboard interface, and, if it requires more than unmodified arrow or tab keys or other standard exit methods, the user is advised of the method for moving focus away.	Supports	
2.2.1 Timing Adjustable: For each time limit that is set by the content, at least one of the instances in WCAG 2.0 2.2.1 is true.	Not Applicable	Motion does not have any content that has a time limit

Criteria	Conformance Level	Remarks and Explanations
<p>2.2.2 Pause, Stop, Hide: For moving, blinking, scrolling, or auto-updating information, all of the following are true:</p> <ul style="list-style-type: none"> • Moving, blinking, scrolling: For any moving, blinking or scrolling information that (1) starts automatically, (2) lasts more than five seconds, and (3) is presented in parallel with other content, there is a mechanism for the user to pause, stop, or hide it unless the movement, blinking, or scrolling is part of an activity where it is essential; and • Auto-updating: For any auto-updating information that (1) starts automatically and (2) is presented in parallel with other content, there is a mechanism for the user to pause, stop, or hide it or to control the frequency of the update unless the auto-updating is part of an activity where it is essential. 	Supports	
<p>2.3.1 Three Flashes or Below Threshold: Web pages do not contain anything that flashes more than three times in any one second period, or the flash is below the general flash and red flash thresholds.</p>	Supports	
<p>2.4.1 Bypass Blocks: A mechanism is available to bypass blocks of content that are repeated on multiple Web pages.</p>	Not Applicable	
<p>2.4.2 Page Titled: Web pages have titles that describe topic or purpose.</p>	Supports	
<p>2.4.3 Focus Order: If a Web page can be navigated sequentially and the navigation sequences affect meaning or operation, focusable components receive focus in an order that preserves meaning and operability.</p>	Supports	

Criteria	Conformance Level	Remarks and Explanations
2.4.4 Link Purpose (In Context): 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, except where the purpose of the link would be ambiguous to users in general.	Supports	
3.1.1 Language of Page: The default human language of each Web page can be programmatically determined.	Supports	
3.2.1 On Focus: When any component receives focus, it does not initiate a change of context. (Level A)	Supports	
3.2.2 On Input: Changing the setting of any user interface component does not automatically cause a change of context unless the user has been advised of the behavior before using the component.	Supports	
3.3.1 Error Identification: If an input error is automatically detected, the item that is in error is identified and the error is described to the user in text.	Supports	If an input error is automatically detected, macOS informs users through dialogs, alert, error messages, and/or audio alerts. VoiceOver can speak descriptions of alerts.
3.3.2 Labels or Instructions: Labels or instructions are provided when content requires user input.	Supports	macOS programmatically ties the description of the adjoining label to the description of the input control. If no visible label exists, the assistive technology can programmatically determine and speak the appropriate type of input.
4.1.1 Parsing: In content implemented using markup languages, elements have complete start and end tags, elements are nested according to their specifications, elements do not contain duplicate attributes, and any IDs are unique, except where the specifications allow these features.	Supports	

Criteria	Conformance Level	Remarks and Explanations
4.1.2 Name, Role, Value: For all user interface components (including but not limited to: form elements, links and components generated by scripts), the name and role can be programmatically determined; states, properties, and values that can be set by the user can be programmatically set; and notification of changes to these items is available to user agents, including assistive technologies.	Supports	In macOS, the AppKit software framework provides assistive technology with boundaries and unique identifiers for all controls.

Table 2: Conformance Criteria, Level AA -

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live): Captions are provided for all live audio content in synchronized media.	Not Applicable	
1.2.5 Audio Description (Prerecorded): Audio description is provided for all prerecorded video content in synchronized media.	Supports	macOS supports audio descriptions where auxiliary audio tracks are available.
<p>1.4.3 Contrast (Minimum): The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following:</p> <ul style="list-style-type: none"> • Large Text: Large-scale text and images of large-scale text have a contrast ratio of at least 3:1; • Incidental: Text or images of text that are part of an inactive user interface component, that are pure decoration, that are not visible to anyone, or that are part of a picture that contains significant other visual content, have no contrast requirement. • Logotypes: Text that is part of a logo or brand name has no minimum contrast requirement. 	Supports	In System Preferences for Accessibility, users can increase contrast of the display as well as reduce transparency. With these preferences enabled, the majority of the macOS interface meets a contrast ratio of at least 4.5:1. For some instances where the default contrast ratio is not met, users can change the overall contrast and scale factor of the screen.
1.4.4 Resize text: Except for captions and images of text, text can be resized without assistive technology up to 200 percent without loss of content or functionality.	Does Not Support	It is not possible to scale text in user interface elements natively in the app.

Criteria	Conformance Level	Remarks and Explanations
<p>1.4.5 Images of Text: If the technologies being used can achieve the visual presentation, text is used to convey information rather than images of text except for the following:</p> <ul style="list-style-type: none"> • Customizable: The image of text can be visually customized to the user's requirements; • Essential: A particular presentation of text is essential to the information being conveyed. 	Supports	
<p>2.4.5 Multiple Ways: More than one way is available to locate a Web page within a set of Web pages except where the Web Page is the result of, or a step in, a process.</p>	Not Applicable	Motion does not display web pages.
<p>2.4.6 Headings and Labels: Headings and labels describe topic or purpose.</p>	Supports	
<p>2.4.7 Focus Visible: Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible.</p>	Supports	
<p>3.1.2 Language of Parts: The human language of each passage or phrase in the content can be programmatically determined except for proper names, technical terms, words of indeterminate language, and words or phrases that have become part of the vernacular of the immediately surrounding text.</p>	Does Not Support	VoiceOver can only read text in other languages if the preferred language of the system is set to the same language. In text content that contains multiple languages, text that is not in the preferred language is spelled out, not read out.
<p>3.2.3 Consistent Navigation: Navigational mechanisms that are repeated on multiple Web pages within a set of Web pages occur in the same relative order each time they are repeated, unless a change is initiated by the user.</p>	Supports	
<p>3.2.4 Consistent Identification: Components that have the same functionality within a set of Web pages are identified consistently.</p>	Supports	

Criteria	Conformance Level	Remarks and Explanations
<p>3.3.3 Error Suggestion: If an input error is automatically detected and suggestions for correction are known, then the suggestions are provided to the user, unless it would jeopardize the security or purpose of the content.</p>	<p>Supports</p>	
<p>3.3.4 Error Prevention (Legal, Financial, Data): For Web pages that cause legal commitments or financial transactions for the user to occur, that modify or delete user-controllable data in data storage systems, or that submit user test responses, at least one of the following is true:</p> <ul style="list-style-type: none"> • Reversible: Submissions are reversible. • Checked: Data entered by the user is checked for input errors and the user is provided an opportunity to correct them. • Confirmed: A mechanism is available for reviewing, confirming, and correcting information before finalizing the submission. 	<p>Support with Exceptions</p>	<p>If the user quits Motion without saving, a dialog window will appear asking the user if they want to save the changes. VoiceOver doesn't immediately read the text of the dialog window, which makes this feature less than ideal.</p>

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Chapter 3: Functional Performance Criteria -

Criteria	Conformance Level	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.	Support with Exceptions	<p>As a macOS application, Motion benefits from the built-in macOS screen reader called VoiceOver for the blind and visually impaired.</p> <p>macOS includes built-in support for over 100 USB and wireless refreshable braille displays that start instantly when connected. There is also support for over 30 braille tables supporting a wide range of languages.</p> <p>Motion supports a rich set of keyboard commands for many, but not all, UI actions.</p> <p>However there are some interactions, such as drawing a shape, that requires user vision.</p>

Criteria	Conformance Level	Remarks and Explanations
<p>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.</p>	<p>Supports</p>	<p>Motion benefits from many macOS features to assist users with low vision, including but not limited to: VoiceOver, VoiceOver cursor zoom, a scalable mouse cursor, and Zoom—a built-in screen magnification feature.</p> <p>VoiceOver also includes a scalable caption panel that displays spoken descriptions of what’s happening on screen as text. VoiceOver in macOS includes built-in voices that speak over 40 languages.</p> <p>With Zoom, users can magnify everything on screen making it larger and easier to see. Text and graphics are enlarged for easier reading and QuickTime video plays magnified without any performance degradation. The powerful Quartz rendering and compositing engine makes Zoom view possible up to 20x.</p> <p>Zoom includes a number of options like the ability to set maximum and minimum values for rapid zooming in and out, zoom in window that allow users to see the zoomed area in a separate window while keeping the rest of the screen at its native size, preview rectangle that outlines the portion of the screen that will be magnified, and three options for how the screen moves as users navigate with the mouse pointer: follow the cursor, only move when cursor reaches an edge, or center the cursor on the screen.</p> <p>Users who prefer to use the mouse can also use VoiceOver to hear a spoken description of information that is under the mouse pointer in addition to using the Zoom feature.</p>

Criteria	Conformance Level	Remarks and Explanations
<p>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.</p>	<p>Supports with Exceptions</p>	<p>Motion uses color to convey information. In many cases, when color is used, the application provides an alternative information display that does not rely on color. For example, color controls are used in the title bar of macOS windows that allow a user to close, minimize or maximize a window. While color indicates each control's function, each control also has a unique symbol and position that indicates its function without relying on color information. But, there are some visual elements that do not include an alternative information display.</p> <p>Motion also works with system-level control of display characteristics that cannot be overridden by applications, including options to:</p> <ul style="list-style-type: none"> Switch the display from color to grayscale. Invert light and dark colors displayed on the screen. Differentiate certain elements without color. Reduce the transparency of elements on the screen. <p>All of these features are accessed through System Preferences for Accessibility and can be used together in different combinations to suit the user's needs.</p>

Criteria	Conformance Level	Remarks and Explanations
<p>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.</p>	<p>Supports</p>	<p>Motion benefits from a variety of macOS accessibility features to assist those who are deaf and hard of hearing:</p> <p>Flash Screen - macOS provides a visual indication of alert sounds via the Flash Screen feature. When a Mac application attempts to play a system beep alert, macOS instead flashes the screen.</p> <p>Notifications – Applications can notify the user of important information using the notification system built into macOS. Notifications all appear in the upper right of the screen making them easy to notice.</p> <p>Dock Notification – The icons of running applications that need attention visually jump up and down in the Dock, providing visual notification in addition to an audible beep or flash.</p> <p>Braille support - macOS includes built-in support for over 100 USB and wireless refreshable braille displays that start instantly when connected. macOS also includes support for over 30 braille tables supporting a wide range of languages.</p>

Criteria	Conformance Level	Remarks and Explanations
<p>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.</p>	<p>Supports with Exceptions</p>	<p>Audio is not required for operation of Motion.</p> <p>Motion also benefits from macOS features to assist those with limited hearing:</p> <p>Mono Audio – combines the left and right stereo channels into a mono signal played through both left and right speakers and headphones so all of the audio program can be heard more easily.</p> <p>Sound output – users can choose to play sound through the computer’s internal speakers, display speakers (when available), or through speakers, headphones, and some other devices that are plugged-in or available wirelessly through AirPlay. Users may adjust balance and volume for sound output with available controls in System Preferences for Sound. They can also set the volume and sound that plays for macOS alerts.</p>
<p>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.</p>	<p>Supports</p>	

Criteria	Conformance Level	Remarks and Explanations
<p>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.</p>	<p>Supports with Exceptions</p>	<p>Motion includes a flexible and extensive mechanism for customizing keyboard shortcuts, including the ability to associate any keyboard shortcut with one of a large number of potential commands. In addition, the project editing interface is designed to be operable entirely by keyboard.</p> <p>However there are some interactions, such as drawing a shape, that requires fine motor control.</p> <p>In addition, Motion benefits from macOS Accessibility features to assist users who do not have fine motor control and can't perform simultaneous actions easily:</p> <p>Dictation which is designed to allow users to speak into any text field using the built-in microphone and have the text transcribed back.</p> <p>Sticky Keys which is designed to allow a series of single key presses to be interpreted as a multiple keystroke combination. Sticky Keys is beneficial for people who have difficulty pressing multiple keys simultaneously.</p> <p>Slow Keys which is designed to put a delay between when a key is pressed and when it is accepted by the system. Slow Keys is beneficial for people who may press keys accidentally and often. Key-click sounds provide additional feedback when a key is accepted.</p> <p>Adjustable keyboard repeat delay which is designed to prevent accidental entry of multiple single keystrokes.</p> <p style="text-align: right;">Continues on the next page...</p>

Criteria	Conformance Level	Remarks and Explanations
		<p>...continued from the previous page.</p> <p>Tracking Speed, Double-click Speed, and Scrolling Speed Adjustment allows users to customize the sensitivity of these controls when using a mouse and trackpad.</p> <p>Gestures such as flick, drag, pinch, and tap can be used instead of and in addition to keyboard and mouse controls on Mac models with a Multi-touch trackpad.</p> <p>Dictation commands allow users to control certain features of their computer without using a keyboard or mouse.</p> <p>Switch Control allows users to control a Mac using an adaptive device such as a switch, a joystick, the space bar on a keyboard, or a single tap on the Multi-touch trackpad.</p> <p>The Accessibility Keyboard allows users to navigate macOS without using physical keyboard. This is a customizable, onscreen keyboard that gives users with mobility impairments advanced typing and navigation capabilities. In addition, the Accessibility Keyboard supports Dwell allowing users to control the pointer (move, click, double-click, etc.) using head tracking technology.</p> <p>Alternate input devices such as trackballs, game controllers, joysticks, keyboard, mice, track pads, graphics tablets and more are also supported. For more information visit https://www.apple.com/shop/mac/mac-accessories</p>

Criteria	Conformance Level	Remarks and Explanations
<p>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.</p>	<p>Supports</p>	<p>Motion benefits from macOS Accessibility features to assist users with limited reach and strength:</p> <p>Switch Control allows users to control a Mac using an adaptive device such as a switch, a joystick, the space bar on a keyboard, or a single tap on the Multi-touch trackpad.</p> <p>The Accessibility Keyboard allows users to navigate macOS without using physical keyboard. This is a customizable, onscreen keyboard that gives users with mobility impairments advanced typing and navigation capabilities. In addition, the Accessibility Keyboard supports Dwell allowing users to control the pointer (move, click, double-click, etc.) using head tracking technology.</p> <p>Dictation which is designed to allow users to speak into any text field using the built-in microphone and have the text transcribed back.</p> <p>Alternate input devices such as trackballs, game controllers, joysticks, keyboard, mice, track pads, graphics tablets and more are also supported. For more information visit https://www.apple.com/shop/mac/mac-accessories</p>

Criteria	Conformance Level	Remarks and Explanations
<p>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.</p>	<p>Supports</p>	<p>Motion benefits from macOS Accessibility features to assist users with limited cognitive, language, and learning abilities simpler and easier:</p> <p>Text to Speech – Text to Speech reads selected text aloud when a key is pressed. Text to Speech may help with expressive speech development, cognitive and learning disabilities, and more.</p> <p>Dictionary - The built-in Dictionary app lets users look up words and phrases from a variety of sources. Definitions and synonyms help with grammar, spelling, and pronunciation.</p> <p>Word Completion - macOS provides word completion in apps like TextEdit and Pages for improving vocabulary and word-building skills.</p> <p>Edit Suggestions. Grammar and spelling check as well as substitutions for help users produce more accurate type written documents.</p> <p>Fullscreen - macOS allows users to display an application window in fullscreen.</p>

Chapter 4: Hardware -

See VPAT for Mac computers.

Chapter 5: Software -

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.0 section	See information in WCAG Section
502 Interoperability with Assistive Technology		
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.	Supports	Accessibility features can be controlled within System Preferences for Accessibility or using accessibility shortcuts. Applications can provide additional controls for accessibility features in their preferences.
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	macOS includes an Accessibility API that enables applications to interact with assistive technologies without disrupting the system or each other. Details of the Accessibility API are available on the Apple Developer website: https://developer.apple.com/library/content/documentation/Accessibility/Conceptual/AccessibilityMacOSX/index.html#//apple_ref/doc/uid/TP40001078
502.3 Accessibility Services		
502.3.1 Object Information. The object role, state(s), properties, boundary, name, and description shall be programmatically determinable.	Supports	
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.	Supports	

Criteria	Conformance Level	Remarks and Explanations
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.	Supports	
502.3.4 Values. Any current value(s), and any set or range of allowable values associated with an object, shall be programmatically determinable.	Supports	
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.	Supports	
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.	Supports with Exceptions	<p>The majority of built-in applications utilize the Accessibility API to form relationships between controls and their labels. VoiceOver conveys this relationship to end users while navigating through the UI. Third-party developers can also form relationships between controls and labels that are programmatically determinable through the Accessibility API.</p> <p>For unlabeled buttons, VoiceOver allows users to assign labels to unlabeled controls, and save them to a file where they can be shared and imported to and from other Mac computers.</p>
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.	Supports	
502.3.8 Text. The content of text objects, text attributes, and the boundary of text rendered to the screen, shall be programmatically determinable.	Supports	

Criteria	Conformance Level	Remarks and Explanations
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.	Supports	
502.3.10 List of Actions. A list of all actions that can be executed on an object shall be programmatically determinable.	Supports with Exceptions	The majority of actions that can be executed on a button or object can be determined programmatically. In a few but rare cases, some object actions may not be listed.
502.3.11 Actions on Objects. Applications shall allow assistive technology to programmatically execute available actions on objects.	Supports with Exceptions	In a few but rare cases, assistive technologies may not be able to execute all available actions on an object or button.
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.	Supports	
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.	Supports	
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.	Supports	

Criteria	Conformance Level	Remarks and Explanations
<p>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:</p> <ul style="list-style-type: none"> 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. 	Supports with Exceptions	<p>macOS provides a variety of platform Accessibility features to address the mentioned requirements:</p> <ul style="list-style-type: none"> • Sticky Keys, designed to allow a series of single key presses to be interpreted as a multiple keystroke combination. Sticky Keys is beneficial for people who have difficulty pressing multiple keys simultaneously. • Slow Keys, designed to put a delay between when a key is pressed and when it is accepted by the system. Slow Keys is beneficial for people who may press keys accidentally and often. Click key sounds are also available to provide additional feedback when a key is accepted. • Adjustable keyboard repeat delay, designed to prevent accidental entry of multiple single keystrokes. The setting is adjustable and can be set to not repeat. • Flash screen, designed to provide a visual alternative for audio alerts. • VoiceOver, designed to provide speech output services and audio feedback for visual events. • Captions provide audio and video text descriptions for video media when provided by the developer. <p>Please note: macOS does not currently provide adjustment of same-key double-strike acceptance.</p>
503 Applications		
<p>503.2 User Preferences. Applications shall permit user preferences from platform settings for color, contrast, font type, font size, and focus cursor.</p>	Supports with Exceptions	<p>Applications provide limited user configurability of appearance and focus.</p> <p>VoiceOver does allow users to set preferences per application; however, these preferences do not include color, contrast, font type, font size, and focus cursor.</p>

Criteria	Conformance Level	Remarks and Explanations
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	
503.4 User Controls for Captions and Audio Description.		
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.	Supports with Exceptions	<p>macOS supports playback of video media with closed-captioned audio and video text descriptions when provided in industry standard formats.</p> <p>The default media player, provided in conjunction with the AVFoundation framework, contains a control for the selection of captions alongside volume adjustment. This is also true of the QuickTime and iTunes media players, as well as the default WebKit media player.</p> <p>Third-party developers can also implement custom media players, where they may choose whether or not to support the selection of captions.</p>
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.	Supports with Exceptions	<p>macOS supports playback of video media with closed-captioned audio and video text descriptions when provided in industry standard formats.</p> <p>The default media player, provided in conjunction with the AVFoundation framework, contains a control for the selection of captions alongside volume adjustment. This is also true of the QuickTime and iTunes media players, as well as the default WebKit media player.</p> <p>Third-party developers can also implement custom media players, where they may choose whether or not to support the selection of captions.</p>

Criteria	Conformance Level	Remarks and Explanations
504 Authoring Tools		
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 permit authors the option of overriding information required for accessibility.	Supports with Exceptions	While content creators can use Motion to add captions, filters, and audio that can aid with some Level A and Level AA Success Criteria, Motion does not have a mode that is specifically designed for the purposes of authoring accessible content.
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.	Supports with Exceptions	Not all authoring tools support preservation of accessibility information when converting content or saving in multiple formats.
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) (incorporated by reference, see 702.3.1).	Does not support	
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.	Does not support	

Criteria	Conformance Level	Remarks and Explanations
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.	Does not support	

Chapter 6: Support Documentation and Services -

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope		
602 Support Documentation		
<p>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.</p>	Supports	<p>macOS product documentation is available online in an accessible format in accessible HTML format through;</p> <ul style="list-style-type: none"> • Apple Support at https://www.apple.com/support • macOS product pages at https://www.apple.com/macOS and at https://www.apple.com/macbook/macos/ • Accessibility product page at https://www.apple.com/accessibility/mac/ <p>Every Mac includes a built-in, interactive VoiceOver tutorial, interactive keyboard learning utility (called Keyboard Practice), and contextual menu system for VoiceOver. macOS help content is also available through the macOS Help menu as well as online through Apple Support.</p> <p>The Switch Control and Accessibility Keyboard guide and the Voice Over guide are delivered as online manual in accessible HTML from https://support.apple.com/en_US/manuals/macos. The Voice Over guide is available electronic .brf braille at no charge. Charges may apply for embossed braille.</p> <p>VPATs for Apple products are available at https://support.apple.com/accessibility/vpat.</p>

Criteria	Conformance Level	Remarks and Explanations
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 (incorporated by reference, see 702.10.1).	Supports	The electronic web-based product documentation for macOS conforms to both Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0.
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	Product documentation is available in embossed braille via third party provider.
603 Support Services		
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	Apple Support provides advisors with information on accessibility and compatibility features for macOS. This information is also documented in the product documentation.
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	Support via the Internet is available through the Apple Knowledge base at http://www.apple.com/support . For additional information on the many service and support options offered by Apple visit www.apple.com/support .

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Some features described in this document are not available in all areas, may be subject to additional fees or payments, and may be dependent on your network service plan.

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