

# Apple Accessibility Conformance Report

## Based on Voluntary Product Accessibility Template® (VPAT®)

**Name of Product:** iPhone Xs

**Product Description:** A personal mobile device with a 5.8-inch screen running the iOS operating system.

**Date:** September 21, 2018

**Contact information:** [accessibility@apple.com](mailto:accessibility@apple.com)

### 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 -**

*Refer to iOS 12 VPAT*

### **Table 2: Conformance Criteria, Level AA -**

*Refer to iOS 12 VPAT*

# 2017 Section 508 Report -

## Chapter 3: Functional Performance Criteria -

Criteria	Conformance Level	Remarks and Explanations
<p>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.</p>	<p>Supports</p>	<p>iOS includes a built-in screen reader called VoiceOver for the blind and visually impaired and includes accessible applications and utilities. VoiceOver is available in 35 languages.</p> <p>Siri supports natural-language voice commands to send messages, track down files, create reminders, search the web, and more. Siri is integrated with VoiceOver allowing users to have answers read out-loud.</p> <p>iOS supports more than 70 Bluetooth wireless Braille displays (sold separately) and Braille tables for more than 25 international languages. Some Braille displays provide input buttons that can be used in addition to iOS on screen controls.</p> <p>Applications built using the iOS Human Interface Guidelines and the iOS Accessibility APIs will work with VoiceOver. Information about VoiceOver is available at <a href="https://www.apple.com/accessibility/iphone/vision/">https://www.apple.com/accessibility/iphone/vision/</a></p> <p>For more information on the accessibility features of iOS, please see the iOS VPAT.</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>iOS includes a feature called Zoom, which can magnify the screen up to 1,500%, includes multiple Zoom modes and it works with VoiceOver so you can better see and hear what's on your screen.</p> <p>iOS offers Dynamic Type which offers an option for larger text for people with 20/70 vision.</p> <p>iOS also supports Speak Screen where the content of a page can be read back to you, and highlight what is being read by word, sentence or both.</p> <p>iOS includes a feature called Magnifier that works like a digital magnifying glass for real-life objects. It uses the camera on an iOS device, and includes support for color filters and the ability to take a photo to get a static close-up of the item in question.</p> <p>For more information on the accessibility features of iOS, please see the iOS VPAT.</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>iOS uses color to convey information. In many cases, when color is used, it provides an alternative information display that does not rely on color. 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>iOS also provides system-level control of display characteristics that cannot be overridden by applications, including options to:</p> <ul style="list-style-type: none"> <li>• Switch the display from color to grayscale.</li> <li>• Invert light and dark colors displayed on the screen.</li> <li>• Differentiate certain elements without color.</li> <li>• Increase contrast of elements on the screen.</li> <li>• Reduce the transparency of elements on the screen.</li> </ul> <p>All of these features are accessed through Settings for Accessibility and can be used together in different combinations to suit the user's needs.</p> <p>For more information on the accessibility features of iOS, please see the iOS VPAT.</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>iOS includes many features to assist users without hearing, including but not limited to:</p> <p><b>Notifications</b> – Applications can notify the user of important information using the notification system built into iOS.</p> <p><b>Siri</b> – Users can enable an Accessibility mode called “Type to Siri” to make requests by typing on a physical or onscreen keyboard.</p> <p><b>FaceTime</b> – FaceTime video conferencing is included with iOS and lets users make audio and video calls to other Mac computers, iPad 2 or later, iPhone 4 or later, or the iPod touch 4th generation or later.</p> <p><b>TV</b> – The QuickTime media player application supports playback and display of video files that include open and closed captions, and auxiliary text tracks. Users can select the appearance of closed captions and subtitles, including fonts, highlights, and backgrounds.</p> <p><b>iTunes</b> – iTunes supports synchronized playback of captioned video movies, TV shows and podcasts, where available.</p> <p><b>Braille support</b> - iOS includes built-in support for over 70 USB and wireless refreshable braille displays that start instantly when connected. iOS also includes support for over 25 braille tables supporting a wide range of languages.</p> <p>For more information on the accessibility features of iOS, please see the iOS VPAT.</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 iOS, however, iOS supports video playback of closed caption content and subtitles (when available).</p> <p>iOS also includes features to assist those with limited hearing:</p> <p><b>Mono Audio</b> – 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><b>Sound output</b> – users can choose to play sound through iPhones’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 iOS alerts.</p> <p>iOS includes a feature called Live Listen that lets users fine-tune Made for iPhone hearing aids and AirPods to help them hear more clearly. The user places their iPhone or iPad closer to the people who are speaking, and the built-in microphone amplifies what they’re saying.</p> <p>For more information on the accessibility features of iOS, please see the iOS VPAT.</p>

Criteria	Conformance Level	Remarks and Explanations
<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>	<p>Where speech may be required for input, control, or operation, iOS includes the following Accessibility features:</p> <p><b>Siri</b> – Users can enable an Accessibility mode called “Type to Siri” to make requests by typing on a physical or onscreen keyboard.</p> <p><b>FaceTime</b> – FaceTime video conferencing is included with iOS and lets users make audio and video calls to other Mac computers, iPad 2 or later, iPhone 4 or later, or the iPod touch 4th generation. High-quality video and fast frame rate make FaceTime ideal for those who communicate using sign language. Many users can clearly see both hand and finger gestures in detail giving them the technology to communicate from afar with the same range of emotion used in person.</p> <p>For more information on the accessibility features of iOS, please see the iOS VPAT.</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</p>	<p>iOS includes Accessibility features to assist users who do not have fine motor control and can't perform simultaneous actions easily:</p> <p><b>Switch Control</b> allows users to control iPhone 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><b>AssistiveTouch</b> which is designed to allow users to control iPhone, perform gestures like a pinch, multi-finger swipe, or use Siri without fine motor control.</p> <p><b>Touch Accommodations</b> which is designed to allow users to control how iPhone responds to touch by modifying its response to duration and frequency of touch events.</p> <p><b>Dictation</b> 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><b>Sticky Keys</b> which is designed to allow a series of single key presses to be interpreted as a multiple keystroke combination.</p> <p><b>Slow Keys</b> which is designed to put a delay between when a key is pressed and when it is accepted by the system.</p> <p><b>Adjustable keyboard repeat delay</b> which is designed to prevent accidental entry of multiple single keystrokes.</p> <p><b>Customizable keyboard commands</b> allow users to assign a keyboard combination to any menu item that doesn't already have one assigned or change an existing combination, for a specific application or for the entire system. Users can also reassign modifier keys to make them easier to reach.</p> <p><b>Gestures</b> such as flick, drag, pinch, and tap can be used.</p> <p>For more information on the accessibility features of iOS, please see the iOS VPAT.</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>iOS includes Accessibility features to assist users with limited reach and strength:</p> <p><b>Switch Control</b> allows users to control iPhone 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><b>AssistiveTouch</b> which is designed to allow users to control iPhone, perform gestures like a pinch, multi-finger swipe, or use Siri without fine motor control.</p> <p><b>Touch Accommodations</b> which is designed to allow users to control how iPhone responds to touch by modifying its response to duration and frequency of touch events.</p> <p><b>Dictation</b> 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><b>Siri</b> supports natural-language voice commands to send messages, track down files, create reminders, search the web, and more. Siri is integrated with VoiceOver allowing users to have answers read out-loud.</p> <p>For more information on the accessibility features of iOS, please see the iOS VPAT.</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>iOS includes Accessibility features to assist users with limited cognitive, language, and learning abilities:</p> <p><b>Guided Access</b> – Temporarily restricts iPhone to a single app, disables areas of the screen that aren't relevant to a task, and disables the hardware buttons</p> <p><b>Speak Screen</b> – With Speak Screen, iPhone will read back all the content on pages back to user with a gesture.</p> <p><b>Speak Selection</b> - Speak Selection will read back specifically the selected content on the screen. Users can follow along as highlighted words, sentences, or words within each sentence are read aloud.</p> <p><b>Dictionary</b> - 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><b>Edit Suggestions</b> – Grammar and spelling check as well as substitutions help users produce more accurate type written documents.</p>

## Chapter 4: Hardware -

Criteria	Conformance Level	Remarks and Explanations
402 Closed Functionality		
402.1 General		
402.2 Speech-Output Enabled		
402.2.1 Information Displayed On-Screen. Speech output shall be provided for all information displayed on-screen.	Supports	iPhone includes a screen reader called VoiceOver that enables the iPhone to be used without seeing the screen. VoiceOver is available in over 35 languages, and Voice Control is available in 24 languages.
402.2.2 Transactional Outputs. Where transactional outputs are provided, the speech output shall audibly provide all information necessary to verify a transaction.	Supports	Recent transactions via Apple Pay are kept in the Wallet app, which supports the VoiceOver function.
402.2.3 Speech Delivery Type and Coordination. Speech output shall be delivered through a mechanism that is readily available to all users, including, but not limited to, an industry standard connector or a telephone handset. Speech shall be recorded or digitized human, or synthesized. Speech output shall be coordinated with information displayed on the screen.	Supports	<p>Speech is delivered via the following options:</p> <ol style="list-style-type: none"> <li>1) The speakers in the device</li> <li>2) Headphones can be connected to the the iPhone via a Lightning to 3.5mm Headphone Jack Adapter (available separately), or over standard bluetooth protocols. Headphones with Lightning Connector provided in the box.</li> <li>3) One of 70 models of supported Braille displays when VoiceOver is on</li> </ol> <p>VoiceOver on iPhone is available in over 35 languages in synthesized speech.</p>
402.2.4 User Control. Speech output for any single function shall be automatically interrupted when a transaction is selected. Speech output shall be capable of being repeated and paused.	Supports	VoiceOver supports audio ducking to allow screen reader information to interrupt other audio. Gestures are available to repeat and pause speech.

Criteria	Conformance Level	Remarks and Explanations
<p>402.2.5 Braille Instructions. Where speech output is required by 402.2, braille instructions for initiating the speech mode of operation shall be provided. Braille shall be contracted and shall conform to 36 CFR part 1191, Appendix D, Section 703.3.1.</p>	Supports	<p>iPhone supports more than 70 Bluetooth wireless braille displays and braille tables for more than 25 international languages. Some braille displays provide input buttons that can be used in addition to iPhone's on screen controls.</p>
<p>402.3 Volume</p>		
<p>402.3.1 Private Listening. Where ICT provides private listening, it shall provide a mode of operation for controlling the volume. Where ICT delivers output by an audio transducer typically held up to the ear, a means for effective magnetic wireless coupling to hearing technologies shall be provided.</p>	Supports	<p>iPhone volume can be controlled via physical buttons on the device or through onscreen controls.</p> <p>iPhone is rated under the Federal Communication Commission hearing aid compatibility guidelines as follows: M3, T4.</p> <p>iPhone is compatible with ear loop devices, Bluetooth-enabled hearing aid solutions, and Made for iPhone hearing aids. Any of these wired devices with a 3.5mm headphone jack can connect to the iPhone via a Lightning to 3.5mm Headphone Jack Adapter, which ships separately.</p> <p>For more information about iPhones and hearing aid compatibility, see <a href="http://www.apple.com/support/hac">www.apple.com/support/hac</a></p>
<p>402.3.2 Non-private Listening. Where ICT provides non-private listening, incremental volume control shall be provided with output amplification up to a level of at least 65 dB. A function shall be provided to automatically reset the volume to the default level after every use.</p>	Not applicable	Not applicable

Criteria	Conformance Level	Remarks and Explanations
402.4 Characters on Display Screens. At least one mode of characters displayed on the screen shall be in a sans serif font. Where ICT does not provide a screen enlargement feature, characters shall be 3/16 inch (4.8 mm) high minimum based on the uppercase letter "I". Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.	Supports	Standard iPhone font is Sans Serif.
402.5 Characters on Variable Message Signs. Characters on variable message signs shall conform to section 703.7 Variable Message Signs of ICC A117.1-2009 (incorporated by reference, see 702.6.1).	Not applicable	Not applicable
<b>403 Biometrics</b>		
403.1 General. Where provided, biometrics shall not be the only means for user identification or control.	Supports	<p>A user may alternatively enter a passcode to unlock the iPhone. This passcode can also be disabled.</p> <p>Apple Pay which is offered in select countries can be used by entering a passcode.</p>
<b>404 Preservation of Information Provided for Accessibility</b>		
404.1 General. ICT that transmits or converts information or communication shall not remove non-proprietary information provided for accessibility or shall restore it upon delivery.	Supports	Accessibility structure, markup, and descriptions are preserved when converting documents, spreadsheets, presentations, and images into different formats.
<b>405 Privacy</b>		
405.1 General. The same degree of privacy of input and output shall be provided to all individuals. When speech output required by 402.2 is enabled, the screen shall not blank automatically.	Supports	By default, visual input remains on screen during use of VoiceOver. VoiceOver also includes a screen curtain feature for additional privacy for screen reader users.

Criteria	Conformance Level	Remarks and Explanations
406 Standard Connections		
406.1 General. Where data connections used for input and output are provided, at least one of each type of connection shall conform to industry standard non-proprietary formats.	Supports	iPhone supports wireless industry standards for the transmission of voice and data, including UMTS/HSPA+/DC-HSDPA, CDMA/EV-DO Rev. A, GSM/EDGE, LTE, Bluetooth 5.0, and 802.11 a/b/g/n/ac Wi-Fi.
407 Operable Parts		
407.2 Contrast. Where provided, keys and controls shall contrast visually from background surfaces. Characters and symbols shall contrast visually from background surfaces with either light characters or symbols on a dark background or dark characters or symbols on a light background.	Supports	iPhone provides adjustable brightness, as well as settings to invert colors onscreen (white on black) for a higher contrast. You can also choose to reduce transparency and darken colors.
407.3 Input Controls		
407.3.1 Tactilely Discernible. Input controls shall be operable by touch and tactilely discernible without activation.	Supports	<p>The Sleep/Wake, Side Switch and Volume rocker switch are tactilely discernible.</p> <p>iPhone can also be operated by an external Bluetooth wireless keyboard or external switch software (both available separately).</p> <p>Using the iPhone touchscreen requires the use of a bare finger or conductive device.</p>
407.3.2 Alphabetic Keys. Where provided, individual alphabetic keys shall be arranged in a QWERTY-based keyboard layout and the "F" and "J" keys shall be tactilely distinct from the other keys.	Supports	iPhone uses a non-mechanical, onscreen keyboard. An external Bluetooth wireless keyboard (available separately) can also be used for text input.

Criteria	Conformance Level	Remarks and Explanations
<p>407.3.3 Numeric Keys. Where provided, numeric keys shall be arranged in a 12-key ascending or descending keypad layout. The number five key shall be tactilely distinct from the other keys. Where the ICT provides an alphabetic overlay on numeric keys, the relationships between letters and digits shall conform to ITU-T Recommendation E.161 (incorporated by reference, see 702.7.1).</p>	<p>Supports</p>	<p>iPhone uses a non-mechanical, onscreen keyboard. An external Bluetooth wireless keyboard (available separately) can also be used for text input.</p>
<p>407.4 Key Repeat. Where a keyboard with key repeat is provided, the delay before the key repeat feature is activated shall be fixed at, or adjustable to, 2 seconds minimum.</p>	<p>Supports</p>	<p>The repeat rate for the non-mechanical, onscreen keyboard is user configurable, along with Sticky keys and Slow keys under Accessibility settings. External wireless keyboards can be set in the same way.</p>
<p>407.5 Timed Response. Where a timed response is required, the user shall be alerted visually, as well as by touch or sound, and shall be given the opportunity to indicate that more time is needed.</p>	<p>Supports with exceptions</p>	<p>iPhone includes Switch Control which provides an alternate method for navigating and making onscreen selections. iPhone will cycle through and emphasize the available onscreen options, and users can make their desired selection by tapping the screen or using supported assistive devices. Switch Control allows for control of auto scan timing to remain on an item up to 25 seconds before moving to the next item, as well as the ability to loop through selections up to 10 times and to pause on the first item after pressing a switch.</p>



Criteria	Conformance Level	Remarks and Explanations
407.6 Operation. At least one mode of operation shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.	Supports	iPhone includes a number of Accessibility features to support motor control: <ul style="list-style-type: none"> <li>• AssistiveTouch which provides an alternative set of screen gestures for users who may have difficulty with touch gestures that requires only a single finger or apparatus to operate.</li> <li>• Switch Control which provides an alternate method for navigating and making onscreen selections. iPhone will cycle through and emphasize the available onscreen options, and users can make their desired selection by tapping the screen or using supported assistive devices.</li> <li>• Touch Accommodations which provides a means to adjust how the screen responds to touches, such as controlling how long you touch before it's recognized or whether it ignores repeated touches.</li> </ul>
407.7 Tickets, Fare Cards, and Keycards. Where tickets, fare cards, or keycards are provided, they shall have an orientation that is tactilely discernible if orientation is important to further use of the ticket, fare card, or keycard.	Not applicable	Not applicable
407.8 Reach Height and Depth		
408 Display Screens	Not applicable	Not applicable
408.2 Visibility. Where stationary ICT provides one or more display screens, at least one of each type of display screen shall be visible from a point located 40 inches (1015 mm) above the floor space where the display screen is viewed.	Not applicable	Not applicable
408.3 Flashing. Where ICT emits lights in flashes, there shall be no more than three flashes in any one-second period.	Supports	Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.

Criteria	Conformance Level	Remarks and Explanations
409 Status Indicators		
409.1 General. Where provided, status indicators shall be discernible visually and by touch or sound.	Supports	<p>The side-switch is the only locking mechanical switch. It can be locked in two positions which are visually, and physically discernible.</p> <p>If Sticky Keys are enabled, a visual ideograph is displayed to indicate the state of the keys being pressed.</p> <p>VoiceOver also provides auditory recognition of status indicators such as caps lock.</p>
410 Color Coding		
410.1 General. Where provided, color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Supported with exceptions	<p>iOS uses color to convey information in On/Off labels, but provides the ability to enable labels in the Accessibility settings.</p> <p>There may be areas in individual apps, such as displaying events in Calendar, that do not provide another means of distinguishing a visual element. But iOS provides the ability to customize color filters to support color blindness and other vision challenges.</p>
411 Audible Signals		
411.1 General. Where provided, audible signals or cues shall not be used as the only means of conveying information, indicating an action, or prompting a response	Supports	iPhone delivers visual alerts for incoming phone and FaceTime calls, new text messages, new and sent mail, and calendar events.
412 ICT with Two-Way Voice Communication		
412.2 Volume Gain		

Criteria	Conformance Level	Remarks and Explanations
412.2.1 Volume Gain for Wireline Telephones. Volume gain conforming to 47 CFR 68.317 shall be provided on analog and digital wireline telephones.	Not applicable	Not applicable
412.2.2 Volume Gain for Non-Wireline ICT. A method for increasing volume shall be provided for non-wireline ICT.	Supports	iPhone volume can be controlled via physical buttons on the device or through onscreen controls.
412.3 Interference Reduction and Magnetic Coupling		
412.3.1 Wireless Handsets. ICT in the form of wireless handsets shall conform to ANSI/IEEE C63.19-2011 (incorporated by reference, see 702.5.1).	Not applicable	Not applicable
412.3.2 Wireline Handsets. ICT in the form of wireline handsets, including cordless handsets, shall conform to TIA-1083-B (incorporated by reference, see 702.9.1).	Not applicable	Not applicable
412.4 Digital Encoding of Speech. ICT in IP-based networks shall transmit and receive speech that is digitally encoded in the manner specified by ITU-T Recommendation G.722.2 (incorporated by reference, see 702.7.2) or IETF RFC 6716 (incorporated by reference, see 702.8.1).	Supports	iPhone supports wireless industry standards for the transmission of voice and data, including UMTS/HSPA+/DC-HSDPA, CDMA/EV-DO Rev. A, GSM/EDGE, LTE, Bluetooth 5.0, and 802.11 a/b/g/n/ac Wi-Fi.
412.5 Real-Time Text Functionality	Supports (where supported by carrier)	iPhone supports RTT (where supported by carrier) including instant transmission of a message as it's being composed, as well as support for over 70 models of Bluetooth wireless Braille displays (sold separately)
412.6 Caller ID. Where provided, caller identification and similar telecommunications functions shall be visible and audible.	Supports	iPhone supports audible caller ID using the built-in VoiceOver screen reader and can play distinctive ring-tones and text-tones. VoiceOver adds a Pronunciation Editor to customize the way words are pronounced, additional voices and support for multiple audio sources.

Criteria	Conformance Level	Remarks and Explanations
412.7 Video Communication. Where ICT provides real-time video functionality, the quality of the video shall be sufficient to support communication using sign language.	Supports	Users are able to use the FaceTime video calling feature for sign language communications. FaceTime requires that both parties to the call have an internet connection (e.g., via Wi-Fi or cellular data service) and a device capable of making a FaceTime video call.
413 Closed Caption Processing Technologies		
413.1.1 Decoding and Display of Closed Captions. Players and displays shall decode closed caption data and support display of captions.	Supports	iPhone supports the pass-through of closed-captioned video and video descriptions in industry-standard formats.
413.1.2 Pass-Through of Closed Caption Data. Cabling and ancillary equipment shall pass through caption data.	Supports	iPhone supports the pass-through of closed-captioned video and video descriptions in industry-standard formats.
414 Audio Description Processing Technologies		
414.1.1 Digital Television Tuners. Digital television tuners shall provide audio description processing that conforms to ATSC A/53 Digital Television Standard, Part 5 (2014) (incorporated by reference, see 702.2.1). Digital television tuners shall provide processing of audio description when encoded as a Visually Impaired (VI) associated audio service that is provided as a complete program mix containing audio description according to the ATSC A/53 standard.	Not applicable	Not applicable
414.1.2 Other ICT. ICT other than digital television tuners shall provide audio description processing.	Supports	iPhone supports the pass-through of audio descriptions in industry-standard formats.
415 User Controls for Captions and Audio Descriptions	Not applicable	Not applicable
415.1.1 Where ICT provides operable parts for volume control, ICT shall also provide operable parts for caption selection.	Not applicable	iPhone supports system-side platform settings for captions

Criteria	Conformance Level	Remarks and Explanations
415.1.2 Audio Description Controls. Where ICT provides operable parts for program selection, ICT shall also provide operable parts for the selection of audio description.	Not applicable	iPhone supports system-side platform settings for audio descriptions

## Chapter 5: Software -

*Refer to iOS 12 VPAT*

## Chapter 6: Support Documentation and Services -

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope		
602 Support Documentation		

Criteria	Conformance Level	Remarks and Explanations
<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>iPhone product documentation is available online in an accessible HTML format through:</p> <ul style="list-style-type: none"> <li>• Apple Support at <a href="https://www.apple.com/support">https://www.apple.com/support</a></li> <li>• iPhone new release page at <a href="https://www.apple.com/iphone/">https://www.apple.com/iphone/</a></li> <li>• Accessibility product page at <a href="https://www.apple.com/accessibility/iphone/">https://www.apple.com/accessibility/iphone/</a></li> </ul> <p>VPATs for Apple products are available at <a href="https://support.apple.com/accessibility/vpat">https://support.apple.com/accessibility/vpat</a>.</p>
<p>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).</p>	See WCAG 2.0 section	The electronic web-based product documentation for iOS conforms to both Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0.
<p>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.</p>	Supports	Product documentation is available in embossed braille via third party provider.
603 Support Services		
<p>603.2 Information on Accessibility and Compatibility Features. ICT support services shall include information on the accessibility and compatibility features required by 602.2.</p>	Supports	Apple Support provides advisors with information on accessibility and compatibility features for iOS. This information is also documented in the product documentation.

Criteria	Conformance Level	Remarks and Explanations
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 <a href="http://www.apple.com/support">http://www.apple.com/support</a> .  For additional information on the many service and support options offered by Apple visit <a href="http://www.apple.com/support">www.apple.com/support</a> .

## Legal Disclaimer:

*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 cellular carrier network policies and wireless service plan, including, for example, LTE and FaceTime over cellular.*

*iPhone includes iOS 12, Apple EarPods with Lightning connector, Lightning to USB Cable and USB Power Adapter. Other accessories or products mentioned in this document (e.g., assistive devices, styluses, hearing aids, adapters, hearing aids, and so on) are sold separately by Apple and/or third parties.*

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