VPAT for Mango Languages Android Application (Multi-Device and Mobile Application for Droid Platform)

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Executive Summary

Mango Languages evaluated the Android Application for accessibility, and identified the various accessibility features and functionalities associated with this application. The evaluation generated sufficient information to be able to assess the degree to which the tested application conforms to the Section 508 Accessibility Standards. Overall, the Mango Languages Android Application does not fully conform to the standards as there are several significant exceptions that are identified in the VPAT document. The VPAT for the application is based on the findings of our accessibility evaluation. Furthermore, Mango Languages is firmly committed to achieving full compliance with Section 508 Accessibility Standards. Our remediation efforts are in progress, with further detail available in our *Accessibility Roadmap* in *Appendix A.*

The Information Technology Industry Council (ITIC) has published recommended language to be used in completing VPAT documents that has been designed to create simplicity and uniformity/consistency in VPATs presented by a variety of suppliers. In preparing the VPAT, Mango Languages has used the ITIC-recommended *VPAT Summary Description and Suggested Language for Completing VPAT* that can be found in *Appendix B*.

Based on this evaluation and on information published on the ITIC website (http://www.itic.org), Mango Languages presents the following VPAT document for the *Mango Languages Android Application* as laid out in the following tables.

Voluntary Product Accessibility Template

Date: March 17, 2015
Product: Mango Languages Android Application (Multi-Device and Mobile Application for Droid Platform)

Summary of Applicable Criteria

Criteria	Supporting Feature	Remarks and Explanations
Section 1194.21 Software Applications and Operating Systems	Level of support varies by individual requirement	Please refer to the VPAT Details
Section 1194.22 Web-based Internet information and applications	Not applicable	Section not applicable to this product
Section 1194.23 Telecommunications Products	Not applicable	Section not applicable to this product
Section 1194.24 Video and Multi-media Products	Not applicable	Section not applicable to this product
Section 1194.25 Self-Contained, Closed Products	Not applicable	Section not applicable to this product
Section 1194.26 Desktop and Portable Computers	Not applicable	Section not applicable to this product
Section 1194.31 Functional Performance Criteria	Level of support varies by individual requirement	Please refer to the VPAT Details
Section 1194.41 Information, Documentation and Support	Supported	Please refer to the VPAT Details

Section 1194.21 Software Applications and Operating Systems

Criteria	Supporting Feature	Remarks and Explanations
(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.	Supported with exceptions	Android tablets are touch devices and don't use a hardware keyboard by default, however, users can connect a hardware keyboard to the Android for text input and speech feedback with TalkBack.
(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.	Supported	
(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.	Supported with exceptions	There are several issues for focus order under Talkback and the focus order is not consistent from page to page.
(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text.	Does not support	Almost all the UI controls are accessible but not labeled for accessibility. The Hold to record button is not accessible when TalkBack is running. Status of timer is not presented to assistive technologies.
(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's	Does not support	Almost all the UI controls are accessible but not labeled for accessibility.

Criteria	Supporting Feature	Remarks and Explanations
performance.		
(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.	Supported	
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supported	
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Supported with exceptions	When asked to complete an exercise, there is a timer indicator that is visually indicated but not accessible to TalkBack users.
(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Supported	
(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.	Not applicable	
(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.	Supported	
(l) When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Not applicable	

Section 1194.31 Functional Performance Criteria

Criteria	Supporting Feature	Remarks and Explanations
(a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are	Does not support	For additional details see criteria: 1194.21 a, c, d, e, h

Criteria	Supporting Feature	Remarks and Explanations
blind or visually impaired shall be provided.		
(b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided.	Supported with exceptions	Color contrast may be too low for some visually impaired individuals. For additional details see criteria: 1194.21 a, c, d, e, h
(c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided.	Supported with Exceptions	Narration can be turned off and most of the essential aspects of the program can be accessed although instructions and prompts are limited.
(d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.	Supported	Androids allow for the use of headsets and amplification systems.
(e) At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.	Supported	
(f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.	Supported with exceptions	Use of the Hold to Record button in the recording menu could be difficult for users with mobility impairments.

Section 1194.41 Information, Documentation and Support

Criteria	Supporting Feature	Remarks and Explanations
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge	Supported	Mango Languages can produce alternative format of documentation for customer upon request.
(b) End-users shall have access to a description of the accessibility and compatibility features of	Supported	Mango Languages can produce alternative format of documentation for customer upon

Criteria	Supporting Feature	Remarks and Explanations
products in alternate formats or alternate methods upon request, at no additional charge.		request.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supported	Mango Languages Support is familiar with such features as keyboard access and other options important to people with disabilities. Mango Languages is also familiar with using telephone relay services for customers who are deaf or hard of hearing. For assistance, contact Mango Languages Support at 877-626-4611 (Monday – Friday, 9:00 A.M. to 7:00 P.M. EST) or email support@mangolanguages.com. For information on additional support services, visit the Mango Languages Web site at http://www.mangolanguages.com/company/support

Appendix A: Accessibility Roadmap

Mango Languages is in the process of making the Mango Languages Android Application fully accessible for individuals with disabilities. Details on this project are noted below.

Issue Description	Current Status (Open, Closed, I/P)	Disposition (Planned, Deferred, I/P)	Remediation Timeline	Available Workarounds	Comments
Section 508 accessibility issues noted above (Sections 1194.21 a, c, d, e, h as well as 1194.31 a, b, c, f)	Open	Planned	Incremental through 2016 & 2017	Mango Language applications are self-paced learning modules for students to learn language vocabulary, pronunciation, grammar, and culture all in one integrated experience computer based application. Traditional, non-computer based learning methods are still available. Additionally, a personal assistant, disability services personnel, library support personnel or other support person could be provided to help individuals with disabilities use the applications.	Now that the accessible Mango Languages iOS Application is available, this could be used as an accessible alternative.

Appendix B: VPAT Background

To facilitate effective communication between producers of products and services and those who acquire them concerning the accessibility of specific products, an accessibility information template was created by a joint government and industry effort. The VPAT document was created by the Information Technology Industry Council (www.itic.org) based on Section 508 Standards established by the United States Access Board (www.access-board.gov) in 2001.

The use of the VPAT as an evaluation tool has enabled companies to self-document and formally attest to conformance and nonconformance with specific Section 508 requirements point by point. Its purpose is to assist federal and state contracting officials and other purchasers in making preliminary assessments regarding the availability of commercial Information and Communication Technologies (ICT) products and services with features that support accessibility. Vendors are frequently required to submit VPATs with their responses to RFPs and other government purchasing proposals.

For each ICT product category to which Section 508 applies, three different requirements need to be addressed. (Complete information regarding these requirements can be found at the www.section508.gov and www.itic.org websites):

1. Specific Requirements, corresponding to specific product groups:

    Section 1194.21 Software Applications and Operating Systems
    Section 1194.22 Web-based Internet Information and Applications
    Section 1194.23 Telecommunications Products
    Section 1194.24 Video and Multimedia Products
    Section 1194.25 Self-Contained, Closed Products
    Section 1194.26 Desktop and Portable Computers

2. Section 1194.31 Functional Performance Criteria, "Functional Performance Criteria," applying to all product groups

3. Section 1194.41 Information, Documentation, and Support: General Requirement, "Information, Documentation, and Support," applying to the information provided *accompanying* all ICT products. Thus FAQ's, Manuals and the like must all be accessible.

Considering that the VPAT carries important information for the procurement official, it is essential that a supplier/producer provide an accurately prepared VPAT that fairly and responsibly represents its product and/or service.

Suggested VPAT Language:

In order to simplify the task of conducting market research assessments for procurement officials or customers, ITIC (www.itic.org) has developed suggested language for use when filling out a VPAT document. The following table provides the suggested language.

Column 1 - Supporting Features

Column 2 - Remarks and Explanations

Feedback from procurement officials and customers shows that providing further explanation regarding features and exceptions is especially helpful. Use this column to detail how the product addresses the standard or criteria by:

▪ Listing accessibility features or features that are accessible

▪ Detailing where in the product an exception occurs

Explaining equivalent methods of facilitation (definition of "equivalent facilitation" -see 36 CFR 1194.5.)

Supporting Features	Remarks and Explanations
Supports	Use this language when you determine the product fully meets the letter and intent of the Criteria.
Supports with Exceptions	Use this language when you determine the product does not fully meet the letter and intent of the Criteria, but provides some level of access relative to the Criteria.
Supports through Equivalent Facilitation	Use this language when you have identified an alternate way to meet the intent of the Criteria or when the product does not fully meet the intent of the Criteria.
Supports when combined with Compatible Assistive Technology	Use this language when you determine the product fully meets the letter and intent of the Criteria when used in combination with Compatible AT. For example, many software programs can provide speech output when combined with a compatible screen reader (commonly used assistive technology for people who are blind).
Does not Support	Use this language when you determine the product does not meet the letter or intent of the Criteria.
Not Applicable	Use this language when you determine that the Criteria do not apply to the specific product.
Not Applicable - Fundamental Alteration Exception Applies	Use this language when you determine a Fundamental Alteration of the product would be required to meet the Criteria (see the access board standards for the definition of "fundamental alteration").

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