

Student Name: _____

Date: _____

Voice Over with Refreshable Braille Display

Basic Commands

Skill Introduced	Performs Independently +/-	Action	Command
		Turn quick nav on or off	Not available
		Move focus to any item on the screen	Not available
		Move focus to the next item	4 + spacebar OR joystick right
		Move focus to the previous item	1 + spacebar OR joystick left
		Activate the item that has focus	3 + 6 + spacebar OR joystick in
		Cancel or go back to previous screen	1 + 2 + spacebar
		Move focus to next text field	2 + 3 + 4 + 5 + spacebar
		Move focus to previous text field	Not available
		Read all starting from the top of the screen	2 + 4 + 5 + 6 + spacebar
		Pause or resume reading at current position	1 + 2 + 3 + 4 + spacebar
		Read all from current position	1 + 2 + 3 + 5 + spacebar
		Move focus to first item on the screen	1 + 2 + 3 + spacebar
		Move focus to the last item on the screen	4 + 5 + 6 + spacebar
		Move focus to the first item in the next container on the screen	4 + 7 + spacebar
		Move focus to the first item in the previous container on the screen	1 + 7 + spacebar
		Scroll down to the next page	1 + 4 + 5 + 6 + spacebar
		Scroll up to the previous page	Option + up arrow
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Rotor Commands

Skill Introduced	Performs Independently +/-	Action	Command
		Select the next item in the rotor	5 + 6 + spacebar
		Select the previous item in the rotor	2 + 3 + spacebar
		Perform action or adjust value defined by current rotor setting	3 + spacebar or 6 + spacebar
		Select next value in speech rotor	Not available
		Select previous value in speech rotor	Not available
		Adjust value of selected item in speech rotor	Not available
		Select the next item in the rotor	5 + 6 + spacebar
		Select the previous item in the rotor	2 + 3 + spacebar
		Adjust value of selected item in speech rotor	3 + spacebar or 6 + spacebar
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Miscellaneous Commands

Skill Introduced	Performs Independently +/-	Action	Command
		Turn on Voiceover help	1 + 3 + spacebar
		Turn off Voiceover help	1 + 2 + spacebar
		Open the item chooser	2 + 4 + spacebar
		Get more information about the item that has focus	3 + 4 + spacebar
		Apply a custom label to the item that has focus	1 + 2 + 3 + 4 + 6 + spacebar
		Mute voiceover	1 + 3 + 4 + spacebar
		Turn the voiceover screen curtain on or off	1 + 2 + 3 + 4 + 5 + 6 + spacebar
		Move focus to the status bar	2 + 3 + 4 + spacebar
		Answer phone call, hang up phone call, or pause/resume multimedia playback	TBD
		Take a screenshot	Press the home button and the power button at the same time
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Managing Apps

Skill Introduced	Performs Independently +/-	Action	Command
		When an app is open, switch directly to the next open app	TBD
		When an app is open, switch directly to the previous open app	TBD
		Go to the home screen	1 + 2 + 5 + spacebar
		Scroll left and right through the pages of the home screen	See Basic commands
		Search entire device including contents of apps	Go to the home screen. Scroll left past the first page of the home screen to the search screen.
		Open the app switcher	1 + 2 + 5 + spacebar twice quickly
		Scroll left and right through the pages of the app switcher	Basic commands
		Close the app switcher	1 + 2 + 5 + spacebar
		Enter "jiggle mode" so you can move or remove apps from the home screen or app switcher	TBD
		Exit "jiggle mode"	TBD
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Read Text

Skill Introduced	Performs Independently +/-	Action	Command
		Read next phrase	4 + spacebar or joystick right
		Read previous phrase	1 + spacebar or joystick left
		Pan right within phrase (reads next phrase if at end of current phrase)	5 + spacebar
		Pan left within phrase (reads previous phrase if at beginning of current phrase)	2 + spacebar
		Read all starting from the top of the screen	2 + 4 + 5 + 6 + spacebar
		Pause or resume reading at current position	1 + 2 + 3 + 4 + spacebar
		Read all from current position	1 + 2 + 3 + 5 + spacebar
		Toggle contractions on or off	1 + 2 + 4 + 5 + spacebar
		Switch between 6 dot braille and 8 dot braille	2 + 3 + 6 + spacebar
		Enter or exit announcement mode to view announcements	1 + 3 + 4 + 5 + spacebar
		When viewing announcements, read previous announcement	1 + spacebar
		When viewing announcements, read next announcement	4 + spacebar
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Copying Read Only Text

Performs Independently +/-	Steps
	Press 1+spacebar or 4+spacebar to navigate to the phrase that contains the desired text or the beginning of a large block of desired text.
	Press 2+3+spacebar or 5+6+spacebar to adjust the rotor to the unit of text that will be used to select the desired text: "characters", "words", or "lines".
	Press 2+5+6+spacebar to select the first unit of text that you specified using the rotor. Note that Voiceover speaks the selected text and the selected text is identified on the braille display by dots 7 and 8.
	Press 2+5+6+spacebar to increase the amount of text that is selected. Change the unit of text to be selected by adjusting the rotor using 2+3+spacebar or 5+6+spacebar. Note that each time you increase the amount of text selected Voiceover speaks the text that was added to the selection and the entire block of selected text is identified on the braille display by dots 7 and 8.
	Press 2+3+5+spacebar to decrease the amount of text that is selected. Note that each time you decrease the amount of text selected Voiceover speaks the text that was added to the selection and the entire block of selected text is identified on the braille display by dots 7 and 8.
	Press 1+4+spacebar to copy the selected text into the buffer. Voiceover will announce the entire block of text that was copied to the buffer.
	Move focus to an editable text field.
	Move the insertion point to the desired location in the text field using the commands defined in the Entering and editing text section of this document.
	Press 1+2+3+6+spacebar to paste the text from the buffer into the text field. Voiceover will read the entire block of text that was pasted into the text field.
	Press 1+spacebar or 4+spacebar to navigate to the phrase that contains the desired text or the beginning of a large block of desired text.
	Press 2+3+spacebar or 5+6+spacebar to adjust the rotor to the unit of text that will be used to select the desired text: "characters", "words", or "lines".
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Navigating text using a Bluetooth keyboard

Skill Introduced	Performs Independently +/-	Action	Command
		Move cursor to a specific character	Press the cursor routing button under that character on the braille display
		Pan to the right	5 + spacebar
		Pan to the left	2 + spacebar
		Read the next unit of text defined by the rotor	6 + spacebar
		Read the previous unit of text defined by the rotor	3 + spacebar
		Page down	1 + 4 + 5 + 6 + spacebar
		Page up	3 + 4 + 5 + 6 + spacebar
		Move cursor to beginning or end of text field or document	3 + 6 + spacebar or joystick in
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Manipulating text using a Bluetooth keyboard

Skill Introduced	Performs Independently +/-	Action	Command w/o Quick Nav
		Tab	2 + 3 + 4 + 5 + spacebar
		Delete	1 + 4 + 5 + spacebar or 7 + spacebar
		Enter	1 + 5 + spacebar or 8 + spacebar
		Select an additional unit of text to be copied, cut, or deleted (where unit of text is defined by the rotor)	2 + 5 + 6 + spacebar
		Unselect a unit of selected text (where unit of text is defined by the rotor)	2 + 3 + 5 + spacebar
		Select all	2 + 3 + 5 + 6 + spacebar
		Delete selected text	1 + 4 + 5 + spacebar or 7 + spacebar
		Copy selected text	1 + 4 + spacebar
		Cut selected text	1 + 3 + 4 + 6 + spacebar
		Paste text	1 + 2 + 3 + 6 + spacebar
		Undo	1 + 3 + 5 + 6 + spacebar
		Redo	2 + 3 + 4 + 6 + spacebar
		Show or hide on-screen keyboard	1 + 4 + 6 + spacebar
		Tab	2 + 3 + 4 + 5 + spacebar
		Delete	1 + 4 + 5 + spacebar or 7 + spacebar
		Enter	1 + 5 + spacebar or 8 + spacebar
		Select an additional unit of text to be copied, cut, or deleted (where unit of text is defined by the rotor)	2 + 5 + 6 + spacebar
		Unselect a unit of selected text (where unit of text is defined by the rotor)	2 + 3 + 5 + spacebar
		Select all	2 + 3 + 5 + 6 + spacebar
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