

ACCESSIBILITY REQUIREMENTS: NSA ICT KEYBOARD SHORTCUTS

The Use of Keyboard Shortcuts

Keyboard shortcuts offer a wealth of benefits that don't need to be enumerated here. But their use also requires care in the area of accessible applications and accessible application design. This extra care is required because:

- Many accessible devices and software will intercept and operate on a common set of shortcuts that are essential to the use of those devices by those requiring assistance.
- Other commonly used keyboard shortcuts (e.g. common Microsoft shortcuts) have been memorized by users with accessibility needs as they cannot or have difficulty in accessing common graphical user interface components. To change the expected behavior of those shortcuts is to actually hinder the ease of use of an application, not enable it.

As a result, this guide is offered so that developers can determine what shortcuts are reserved, and should generally be considered "off limits" to be used in a way different than outlined below.

This document contains a list of keyboard shortcuts for:

- General Windows Keystrokes
- Jaws commands for HTML
- Jaws commands for MS Outlook
- Jaws commands for MS Word
- Jaws commands for MS Excel
- Shortcuts sorted by primary key

General Windows Keystrokes

Description	Command
Get Help	F1
Open the Start Menu	WINDOWS LOGO KEY or CTRL+ESC
Switch between Open Applications	ALT+TAB
Open the Shortcut Menu	APPLICATIONS KEY or SHIFT+F10
Minimize all Applications	WINDOWS LOGO KEY+M
Find a File or Folder from Desktop	F3
Move to First Item on the Taskbar	WINDOWS LOGO KEY+TAB
Open Windows Explorer	WINDOWS LOGO KEY+E
Open Run Dialog	WINDOWS LOGO KEY+R

General Windows Applications Keystrokes

Description	Command
Exit the Active Application	ALT+F4
Open the Application Control Menu	ALT+SPACEBAR
Move to the Menu Bar	ALT
Move between Menus	ALT, ARROW KEYS
Choose a Menu Item	ENTER
Open a child Window Control Menu	ALT+DASH
Cancel or close a Menu	ESC or ALT

Keystrokes for Working in Dialog Boxes

Description	Command
Move through Dialog Controls	TAB
Move Backward through Dialog Controls	SHIFT+TAB
Move to Another Page	CTRL+TAB
Reverse Direction through Pages	CTRL+SHIFT+TAB
Select/Deselect in List View	SPACEBAR or CTRL+SPACEBAR
Toggle a Check Box ON/OFF	SPACEBAR

Keystrokes for Working with Text in Documents

Description	Command
Move One Character Left	LEFT ARROW
Move One Character Right	RIGHT ARROW
Move One Word Left	CTRL+LEFT ARROW
Move One Word Right	CTRL+RIGHT ARROW
Move to Beginning of Line	HOME
Move to End of Line	END
Move One Paragraph Up	CTRL+UP ARROW
Move One Paragraph Down	CTRL+DOWN ARROW
Move to Top of Next Page	CTRL+PAGE DOWN
Move to Top of Previous Page	CTRL+PAGE UP
Move to Beginning of Document	CTRL+HOME
Move to End of Document	CTRL+END
Scroll Up or Down One Screen	PAGE UP or PAGE DOWN
Select One Character Left	SHIFT+LEFT ARROW
Select One Character Right	SHIFT+RIGHT ARROW
Select One Word Left	CTRL+SHIFT+LEFT ARROW
Select One Word Right	CTRL+SHIFT+RIGHT ARROW
Select to Beginning of Line	SHIFT+HOME
Select to End of Line	SHIFT+END
Select to Beginning of Document	CTRL+SHIFT+HOME
Select to End of Document	CTRL+SHIFT+END
Select All	CTRL+A
Undo	CTRL+Z
Delete Current Character	DELETE
Delete Prior Character	BACKSPACE

Keystrokes for Working in Windows Explorer

Description	Command
Delete Selected File or Folder	DELETE
Rename Selected File or Folder	F2
Refresh Window	F5
Switch Between Tree View and List View	F6 or TAB
Go Up One Folder Level	BACKSPACE

Open File or Folder Properties	ALT+ENTER
Untruncate Columns in List View	CTRL+NUM PAD PLUS

Keystrokes for Using the Clipboard

Description	Command
Copy Selected File or Text to Clipboard	CTRL+C
Cut Selected File or Text to Clipboard	CTRL+X
Paste Contents of Clipboard	CTRL+V
Read Clipboard Contents	WINDOWS Key+INSERT+X
Display Clipboard Contents in Results Viewer	INSERT+SPACEBAR, C

Keystrokes for Windows Vista Gadgets

The Windows operating system uses visual references, such as icons, to quickly access applications and files. In Windows Vista, gadgets are desktop applications and tools that provide visual updates for such items as computer performance, weather, time, and news feeds. The following table contains a list of keyboard shortcuts that can help you navigate gadgets that appear in an area on the desktop known as the Sidebar.

Description	Command
Bring Sidebar and all gadgets to the foreground	WINDOWS Key+SPACEBAR
Cycle forward through the Sidebar gadgets	WINDOWS Key+G
Cycle backward through the Sidebar gadgets	WINDOWS Key+SHIFT+G

To open the Sidebar, do the following:

1. Press **WINDOWS Key**.
2. Type Sidebar in the Start Search edit field and press **ENTER**.

Jaws Commands for HTML (browsers)

This topic contains listings of all commands JAWS provides for use in HTML documents.

General Commands

Description	Command
Back a Page	ALT+LEFT ARROW or BACKSPACE
Forward a Page	ALT+RIGHT ARROW
Move to Address Bar	ALT+D
Read Address Bar	INSERT+A
Move JAWS Cursor to Address Bar (Internet Explorer 9 and earlier)	INSERT+A twice quickly
Virtual HTML Features	INSERT+F3
Activate Mouse Over	INSERT+CTRL+ENTER
View Basic Element Information	INSERT+SHIFT+F1
View Advanced Element Information	CTRL+INSERT+SHIFT+F1
Move to Next Clickable Element	SLASH
Move to Previous Clickable Element	SHIFT+SLASH
Select Clickable Element	INSERT+CTRL+SLASH
Select a Mouse Over Element	INSERT+WINDOWS Key+SEMICOLON
Move to Next Region	R
Move to Previous Region	SHIFT+R
Select a Region	INSERT+CTRL+R
Open and Select Items in the ARIA Drag and Drop dialog box	WINDOWS Key+CTRL+EQUALS
Open ARIA Live Region Text Filter dialog box	WINDOWS Key+CTRL+DASH

Tabbed Browsing Commands

Description	Command
Open a New Tab	CTRL+T
Open a New Tab from the Address Bar	ALT+ENTER (when focus is in the Address bar)
Open a New Tab from the Toolbar Search Box	ALT+ENTER (when a search item appears in the Toolbar Search edit box)
Open Duplicate Tab	CTRL+K

Toggle Between Full Screen Mode and Normal View Mode for the Current Web Page	ALT+ENTER (when focus is anywhere on the Web page besides the Address bar and the Toolbar Search edit box)
View List of Open Tabs	CTRL+SHIFT+Q
Toggle Quick Tabs (Thumbnail View)	CTRL+Q
Switch to the Next Tab	CTRL+TAB
Switch to the Previous Tab	CTRL+SHIFT+TAB
Switch to a Specific Tab Number	CTRL+n , where n is a digit from 1 to 8
Switch to Last Tab	CTRL+9
Close Current Tab	CTRL+W
Close All Tabs	ALT+F4
Close Other Tabs	CTRL+ALT+F4
Open Links in a New Tab in the Background	CTRL+ENTER
Open Links in a New Tab in the Foreground	CTRL+SHIFT+ENTER

Links Commands

Description	Command
List Links	INSERT+F7
Next Link	TAB
Prior Link	SHIFT+TAB
Next Visited Link	V
Prior Visited Link	SHIFT+V
Open Link	ENTER
Open Link in New Window	SHIFT+ENTER
Next Non Link Text	N
Prior Non Link Text	SHIFT+N

Headings Commands

Description	Command
List Headings	INSERT+F6
Next Heading	H
Prior Heading	SHIFT+H
First Heading	ALT+INSERT+HOME
Last Heading	ALT+INSERT+END
Next Heading at Level	1 through 6

Prior Heading at Level	SHIFT+1 through 6
First Heading at Level	ALT+CTRL+INSERT+1 through 6
Last Heading at Level	ALT+CTRL+INSERT+ SHIFT+1 through 6

Forms Commands

Description	Command
Move To First Form Field	INSERT+CTRL+HOME
Move To Next Form Field	F
Move To Prior Form Field	SHIFT+F
Move To Last Form Field	INSERT+CTRL+END
Move To Next Radio Button	A
Move to Prior Radio Button	SHIFT+A
Move To Next Button	B
Move to Prior Button	SHIFT+B
Move To Next Combo Box	C
Move to Prior Combo Box	SHIFT+C
Move To Next Edit Box	E
Move to Prior Edit Box	SHIFT+E
Move To Next Check Box	X
Move to Prior Check Box	SHIFT+X
Enter Forms Mode	ENTER
Exit Forms Mode	NUM PAD PLUS
List of Form Fields	INSERT+F5
List Radio Buttons	CTRL+INSERT+A
List Buttons	CTRL+INSERT+B
List Combo Boxes	CTRL+INSERT+C
List Edit Boxes	CTRL+INSERT+E
List Check Boxes	CTRL+INSERT+X
Enter/Leave Multi-Select Mode	SHIFT+F8

Tables Commands

Description	Command
Move To Next Table	T
Move To Prior Table	SHIFT+T
Select Table	F8
List Tables	CTRL+INSERT+T
Jump to Table Cell (from within a table)	CTRL+WINDOWS Key+J
Return to Previous Cell	CTRL+SHIFT+WINDOWS Key+J
Read current cell	CTRL+ALT+NUM PAD 5
Move to and Read Next Cell	CTRL+ALT+RIGHT ARROW
Move to and Read Prior Cell	CTRL+ALT+LEFT ARROW
Move to and Read Cell Above	CTRL+ALT+UP ARROW
Move to and Read Cell Below	CTRL+ALT+DOWN ARROW
Move to and Read First Cell	CTRL+ALT+HOME
Move to and Read Last Cell	CTRL+ALT+END
Read Next Row	WINDOWS Key+ALT+DOWN ARROW
Read Prior Row	WINDOWS Key+ALT+UP ARROW
Read Current Row	ALT+WINDOWS Key+COMMA
Read from Beginning of Row to Current Cell	INSERT+SHIFT+HOME
Read from Current Cell to End of Row	INSERT+SHIFT+PAGE UP
Read Current Column	ALT+WINDOWS Key+PERIOD
Read from Top of Column to Current Cell	INSERT+SHIFT+END
Read from Current Cell to Bottom of Column	INSERT+SHIFT+PAGE DOWN
Read Next Column	WINDOWS Key+ALT+RIGHT ARROW
Read Prior Column	WINDOWS Key+ALT+LEFT ARROW

Frames Commands

Description	Command
Next Frame	M
Prior Frame	SHIFT+M
Move to Frame 1 to 10	Unassigned
List Frames	INSERT+F9

Elements Commands

Description	Command
Next Same Element	S
Prior Same Element	SHIFT+S
Next Different Element	D
Prior Different Element	SHIFT+D
Next Element	SHIFT+PERIOD
Previous Element	SHIFT+COMMA
Select Entire Element	F8
Display Element Information	SHIFT+INSERT+F1
Display Detailed Element Information	CTRL+SHIFT+INSERT+F1
Activate Mouse Over	INSERT+CTRL+ENTER

Other Commands

Description	Command
Feeds Menu in Internet Explorer 7 or later. For Internet Explorer 9, the Command bar toolbar must be on.	ALT+J
Feeds List in Internet Explorer 7 or later	CTRL+J
Search Box in Internet Explorer 7 or later	CTRL+E
Search Button in Internet Explorer 7 or later	ALT+ENTER
Create Custom Label	CTRL+INSERT+TAB
Create Temporary PlaceMarker	CTRL+WINDOWS Key+K
Select Text Between Temporary PlaceMarker and Cursor Position	INSERT+SPACEBAR, M
List, Go To, Create Permanent, Rename, or Remove PlaceMarker	CTRL+SHIFT+K
Move to Next PlaceMarker	K
Move to Previous PlaceMarker	SHIFT+K
Move to Next List	L
Move to Prior List	SHIFT+L
Select List	F8
List All Ordered, Unordered, and Definition Lists	CTRL+INSERT+L
Move to Next Item in a List	I

Move to Prior Item in a List	SHIFT+I
Reload Web Page	F5
Refresh JAWS Virtual Mode	INSERT+ESC
List Toolbar Buttons	INSERT+F8 (not available in Mozilla Firefox)
Route Virtual to PC Cursor	INSERT+DELETE
Route PC to Virtual Cursor	CTRL+INSERT+DELETE
Route Virtual to JAWS Cursor	INSERT+NUM PAD PLUS
Virtual Cursor Toggle	INSERT+Z
JAWS Find	INSERT+CTRL+F or CTRL+F
JAWS Find Next	INSERT+F3 or F3
JAWS Find Previous	INSERT+SHIFT+F3 or SHIFT+F3
Jump to Line	J
Return to Previous Line	SHIFT+J
Move to Next Division	Z
Move to Prior Division	SHIFT+Z
List Divisions	CTRL+INSERT+Z
Move to Next Separator	DASH
Move to Prior Separator	SHIFT+DASH

MS Outlook

Navigational

Description	Command
Move cursor to body text window	ALT+GRÀVE
Move back one item	CTRL+COMMA
Move forward one item	CTRL+PERIOD
Move to Attachments list	INSERT+A
Select Address button in Contacts	ALT+SHIFT+9
Select CC: button	ALT+SHIFT+4
Select Reminder Sounds	ALT+SHIFT+7
Select TO button	ALT+SHIFT+3

Message List

Description	Command
Read First Column Header Note: Column headers will vary based on the message list that is open, for example, the Inbox versus Sent Items. For a brief explanation of the various message list columns available, see Column Header Descriptions.	INSERT+CTRL+1
Read Second Column Header	INSERT+CTRL+2
Read Third Column Header	INSERT+CTRL+3
Read Fourth Column Header	INSERT+CTRL+4
Read Fifth Column Header	INSERT+CTRL+5
Read Sixth Column Header	INSERT+CTRL+6
Read Seventh Column Header	INSERT+CTRL+7
Read Eighth Column Header	INSERT+CTRL+8
Read Ninth Column Header	INSERT+CTRL+9
Read Tenth Column Header	INSERT+CTRL+0

Custom Form Headers

Description	Command
Read First Header	ALT+1
Read Second Header	ALT+2
Read Third Header	ALT+3
Read Fourth Header	ALT+4
Read Fifth Header	ALT+5
Read Sixth Header	ALT+6
Read Seventh Header	ALT+7
Read Eighth Header	ALT+8
Read Ninth Header	ALT+9
Read Tenth Header	ALT+0
Read Eleventh Header	ALT+EQUALS

Reading

Description	Command
Start Skim Reading from the Cursor	CTRL+INSERT+DOWN ARROW

Other

Description	Command
Close Office Assistant	CTRL+INSERT+F4
Note: The Office Assistant is not available in Microsoft Office 2007 or later.	
Delete Message	CTRL+D
Read Misspelled and Suggestion	INSERT+F7
Say Date	CTRL+INSERT+D
Read MSAA Information	ALT+CTRL+SHIFT+M
View Attendee Status	CTRL+SHIFT+S

MS Word

The tables on this page describe JAWS keystrokes that are available in Word for navigation, formatting, information, lists, tables, forms, and views. If you want to quickly configure Word settings, press **INSERT+V** to open Quick Settings.

Navigation

Description	Command
Move forward one character	RIGHT ARROW
Move back one character	LEFT ARROW
Move forward one word	CTRL+RIGHT ARROW
Move back one word	CTRL+LEFT ARROW
Move down one line	DOWN ARROW
Move up one line	UP ARROW
Move down one paragraph	CTRL+DOWN ARROW
Move up one paragraph	CTRL+UP ARROW
Move forward one sentence	ALT+DOWN ARROW
Move back one sentence	ALT+UP ARROW

Move to the beginning of the current line	HOME
Move to the end of the current line	END
Move to the beginning of the document	CTRL+HOME
Move to the end of the document	CTRL+END
Move down one screen	PAGE DOWN
Move up one screen	PAGE UP
Move to the top of the next page	CTRL+PAGE DOWN
Move to the top of the previous page	CTRL+PAGE UP

Note: If you use the Find or Go To commands in Word, pressing **CTRL+PAGE DOWN** or **PAGE UP** will not move the cursor to the top of the next or previous page. Instead, these keystrokes move the cursor to the next or previous occurrence of the item you selected in the Go To dialog box or the last word you searched for.

Navigation Quick Keys

To turn on Navigation Quick Keys, press **INSERT+Z**. This keystroke toggles Navigation Quick Keys on and off. Press **ALT+DELETE** to determine if Navigation Quick Keys are enabled. You can use the **SHIFT** key in combination with most of the Navigation Quick Keys to move to the previous element of that type in the document. For example, while the **A** keystroke moves to the next grammatical error, the **SHIFT+A** keystroke will jump to the previous grammatical error in a Word document. You cannot use the Navigation Quick Keys **A** and **M** while you are reading with the Say All command. When you open a Ribbon, menu, or dialog box in Word, Navigation Quick Keys are automatically turned off. You can always change the current quick key value using the Navigation Quick Key Manager.

Description	Command
Next Grammatical Error	A
Next Bookmark	B
Next Endnote	D
Next Form Field	F
Next Graphic	G
Next Heading	H
Next Misspelled Word	M
Next Comment	N
Next Footnote	O
Next Paragraph	P
Next Revision (when using Track Changes)	R
Next Section	S

Next Table	T
Next Word in Word Index List	W
Move forward out of a table or list	>
Move backward out of a table or list	<
Next Page	SPACEBAR
Previous Page	BACKSPACE

Formatting

Description	Command
Move to style bar	CTRL+SHIFT+S
Select next heading style	ALT+SHIFT+RIGHT ARROW
Select prior heading style	ALT+SHIFT+LEFT ARROW
Point Size	CTRL+SHIFT+P
Insert and Overtyping mode	ALT+CTRL+I
Copy formatting of selected text	CTRL+SHIFT+C
Paste formatting	CTRL+SHIFT+V

Informational Keystrokes

Description	Command
Say character formatting	INSERT+F
Say font color	INSERT+5
Say line and column	INSERT+DELETE
Say cursor position	ALT+DELETE
Describe border of text	ALT+SHIFT+B
Convert shape to text readable by JAWS	ALT+SHIFT+C
Say Word version	CTRL+INSERT+V
Say language in use	ALT+CTRL+A
Read misspelled word and suggestion	INSERT+F7
Close Office Assistant	CTRL+INSERT+F4
	Note: The Office Assistant is not available in Microsoft Office 2007 or later.
Announce Comment	ALT+SHIFT+APOSTROPHE
Announce Footnotes or Endnotes	ALT+SHIFT+E
Say Current Scheme Name	ALT+INSERT+Q

Open Virtual Viewer and view list of comments, **WINDOWS Key+SEMICOLON** footnotes, endnotes, or revisions in current document

Lists

Description	Command
List bookmarks	INSERT+ALT+B
List comments	CTRL+SHIFT+APOSTROPHE
List endnotes	INSERT+SHIFT+E
List footnotes	INSERT+SHIFT+F
List grammatical errors	INSERT+SHIFT+G
List headings	INSERT+F6
List hyperlinks	INSERT+F7
List inline objects	CTRL+SHIFT+O
List revisions	INSERT+SHIFT+R
List smart tags	INSERT+ALT+SHIFT+S
List spelling errors	ALT+SHIFT+L

Tables

Description	Command
Read table column	ALT+WINDOWS Key+PERIOD
Read next column	WINDOWS Key+ALT+RIGHT ARROW
Read prior column	WINDOWS Key+ALT+LEFT ARROW
Say column title	ALT+INSERT+SHIFT+C
Say first cell in column	ALT+1 Note that this is a Table Layer keystroke. You must first press INSERT+SPACEBAR , followed by T to make the table layer active. You can then press ALT+1 to read the first cell in the column.
Read table row	ALT+WINDOWS Key+COMMA or ALT+WINDOWS Key+NUM PAD 5
Read next row	WINDOWS Key+ALT+DOWN ARROW
Read prior row	WINDOWS Key+ALT+UP ARROW
Say row title	ALT+INSERT+SHIFT+R
Say first cell in row	ALT+7 Note that this is a Table Layer keystroke. You must first press INSERT+SPACEBAR , followed by T to make the table layer active. You can then press ALT+7 to say the first cell in the row.

Select first cell in a **INSERT+CTRL+T** table

Toggle revision **INSERT+ALT+R.** detection on or off

Forms

Description	Command
Move focus to first field in a form	CTRL+INSERT+HOME
Read Field Contents	CTRL+INSERT+NUM PAD 5
Select a field	INSERT+F5
Create Custom Label	CTRL+INSERT+TAB

Outline View

Description	Command
Show Heading 1	ALT+SHIFT+1
Show to Heading 2	ALT+SHIFT+2
Show to Heading 3	ALT+SHIFT+3
Show to Heading 4	ALT+SHIFT+4
Show to Heading 5	ALT+SHIFT+5
Show to Heading 6	ALT+SHIFT+6
Show to Heading 7	ALT+SHIFT+7
Toggle between all and headings only	ALT+SHIFT+A
Heading to Prior Level	ALT+SHIFT+LEFT ARROW
Heading to Next Level	ALT+SHIFT+RIGHT ARROW
Move Heading Up	ALT+SHIFT+UP ARROW
Move Heading Down	ALT+SHIFT+DOWN ARROW

Marking a Place in a Document

Description	Command
Set Marked Place	CTRL+WINDOWS Key+K
Return to Marked Place	ALT+WINDOWS Key+K
Select Text Between Marked Place and Cursor Position	INSERT+SPACEBAR, M

MS Excel

Note: Many Excel features are also available in Quick Settings. To access these options, press **INSERT+V** while you are in Excel. Use the arrow keys to select an option, and then press the **SPACEBAR** to cycle through the available settings.

Informational Keystrokes for Columns

Description	Command
List cells in current column	INSERT+SHIFT+C
Read column total	INSERT+NUM PAD ENTER
Say column title	INSERT+ALT+SHIFT+C
Set column titles to row	INSERT+ALT+CTRL+C
Set current column to the column containing row totals	CTRL+INSERT+ENTER

Informational Keystrokes for Rows

Description	Command
List cells in current row	INSERT+SHIFT+R
Read row total	INSERT+DELETE
Say row title	INSERT+ALT+SHIFT+R
Set row titles to column	INSERT+ALT+CTRL+R
Set current row to the row containing column totals	CTRL+INSERT+DELETE

Table Layer Keystrokes

Table layer keystrokes offer a fast and convenient way to navigate tables. The table layer eliminates the need to have to hold down several keys at once to perform a table navigation command.

Below is a list of the layered keystrokes for table navigation. Press and release **INSERT+SPACEBAR**, followed by **T** to activate the table layer, and then press any of the following keystrokes.

Description	Command
Read first cell in current column.	ALT+1
Read second cell in current column.	ALT+2
Read thrid cell in current column.	ALT+3
Read fourth cell in current column.	ALT+4
Read first cell in current row.	CTRL+1
Read second cell in current row.	CTRL+2

Read third cell in current row. **CTRL+3**
Read fourth cell in current row. **CTRL+4**

Miscellaneous Informational Keystrokes

Description	Command
Open custom summary label manager	INSERT+CTRL+TAB
Open custom summary when one exists	INSERT+CTRL+SHIFT+TAB
Describe cell border	ALT+SHIFT+B
List cells at page break	CTRL+SHIFT+B
List cells with comments	CTRL+SHIFT+APOSTROPHE
List cells with formulas	INSERT+SHIFT+F
Read cell comment	ALT+SHIFT+APOSTROPHE
List Visible cells with data	CTRL+SHIFT+D
List defined monitor cells	CTRL+SHIFT+M
List worksheets	CTRL+SHIFT+S
Say current cell validation input message	CTRL+SHIFT+V
Say range of cells visible in active window	ALT+SHIFT+V
Read hyperlink	ALT+SHIFT+H
Report gridline status	ALT+SHIFT+G
Say active cell coordinates	INSERT+C
Say last numeric value or word that appears in the Formula bar	CTRL+NUM PAD 5
Say Excel version	CTRL+INSERT+V
Say cell font and attributes	INSERT+F
Say formula	INSERT+CTRL+F2
Read spelling error and suggestion	INSERT+F7
Display detailed cell appearance information	INSERT+TAB twice quickly

Navigation Keystrokes

Description	Command
Move to prior screen in spreadsheet	ALT+PAGE UP
Move to next screen in spreadsheet	ALT+PAGE DOWN
Next Sheet	CTRL+PAGE DOWN
Prior Sheet	CTRL+PAGE UP
Move to first cell in region	ALT+SHIFT+HOME
Move to last cell in region	ALT+SHIFT+END

Move down to the edge of current data region	CTRL+DOWN ARROW
Move up to the edge of current data region	CTRL+UP ARROW
Move left to the edge of current data region	CTRL+LEFT ARROW
Move right to the edge of current data region	CTRL+RIGHT ARROW
Insert CellMarker	INSERT+WINDOWS Key+K
Move to CellMarker on current worksheet	ALT+WINDOWS Key+K
Move to CellMarker on next worksheet	CTRL+WINDOWS Key+K
Move to CellMarker on previous worksheet	CTRL+WINDOWS Key+SHIFT+K
List all CellMarkers in workbook	CTRL+ALT+WINDOWS Key+K

Selection Keystrokes

Description	Command
Select column	CTRL+SPACEBAR
Select hyperlink	INSERT+F7
Select region	CTRL+SHIFT+8
Select a region and announce the region's cell range	CTRL+SHIFT+SPACEBAR
Select row	SHIFT+SPACEBAR
Select worksheet objects	CTRL+SHIFT+O
Read the current worksheet object	INSERT+CTRL+C
Select the first worksheet object	INSERT+ALT+C
Collapse selection to current cell	SHIFT+BACKSPACE

Configuration Keystrokes

Description	Command
Set monitor cell	INSERT+SHIFT+1 through INSERT+SHIFT+0 Note: If a monitor cell was previously set and you then try to set that cell again, a message appears letting you know that you are about to overwrite the existing monitor cell. You have the option to cancel or continue and overwrite the monitor cell.
Read monitor cell	ALT+SHIFT+1 through ALT+SHIFT+0
Formula input mode	EQUALS
AutoSum	ALT+EQUALS
Date stamp	CTRL+SEMICOLON
Time stamp	CTRL+SHIFT+SEMICOLON
Close Office Assistant	CTRL+INSERT+F4 Note: The Office Assistant is not available in Microsoft Office 2007 or later.

Shortcuts sorted by primary key

JAWS Keyboard Shortcuts – Primary Key

Command	Description
1. <	Move backward out of a table or list
2. >	Move forward out of a table or list
3. 1 through 6	Next Heading at Level
4. CTRL + n, where n is a digit from 1 to 8	Switch to a Specific Tab Number
5. ALT+0	Read Tenth Header
6. INSERT+CTRL+0	Read Tenth Column Header
7. ALT+1	Read First Header
8. ALT+1	Say first cell in column
9. ALT+1	Read first cell in current column.
10. ALT+CTRL+INSERT+ SHIFT+1 through 6	Last Heading at Level
11. ALT+CTRL+INSERT+1 through 6	First Heading at Level
12. ALT+SHIFT+1	Show Heading 1
13. ALT+SHIFT+1 through ALT+SHIFT+0	Read monitor cell
14. CTRL+1	Read first cell in current row.
15. INSERT+CTRL+1	Read First Column Header

16. INSERT+SHIFT+1 through INSERT+SHIFT+0	Set monitor cell
17. SHIFT+1 through 6	Prior Heading at Level
18. ALT+2	Read Second Header
19. ALT+2	Read second cell in current column.
20. ALT+SHIFT+2	Show to Heading 2
21. CTRL+2	Read second cell in current row.
22. INSERT+CTRL+2	Read Second Column Header
23. ALT+3	Read Third Header
24. ALT+3	Read thrid cell in current column.
25. ALT+SHIFT+3	Select TO button
26. ALT+SHIFT+3	Show to Heading 3
27. CTRL+3	Read third cell in current row.
28. INSERT+CTRL+3	Read Third Column Header
29. ALT+4	Read Fourth Header
30. ALT+4	Read fourth cell in current column.
31. ALT+SHIFT+4	Select CC: button
32. ALT+SHIFT+4	Show to Heading 4
33. CTRL+4	Read fourth cell in current row.
34. INSERT+CTRL+4	Read Fourth Column Header
35. ALT+5	Read Fifth Header
36. ALT+SHIFT+5	Show to Heading 5
37. INSERT+5	Say font color
38. INSERT+CTRL+5	Read Fifth Column Header
39. ALT+6	Read Sixth Header
40. ALT+SHIFT+6	Show to Heading 6
41. INSERT+CTRL+6	Read Sixth Column Header
42. ALT+7	Read Seventh Header
43. ALT+7	Say first cell in row
44. ALT+SHIFT+7	Select Reminder Sounds
45. ALT+SHIFT+7	Show to Heading 7
46. INSERT+CTRL+7	Read Seventh Column Header
47. ALT+8	Read Eighth Header
48. CTRL+SHIFT+8	Select region
49. INSERT+CTRL+8	Read Eighth Column Header
50. ALT+9	Read Ninth Header
51. ALT+SHIFT+9	Select Address button in Contacts
52. CTRL+9	Switch to Last Tab
53. INSERT+CTRL+9	Read Ninth Column Header
54. A	Move To Next Radio Button
55. A	Next Grammatical Error
56. ALT+CTRL+A	Say language in use

57. ALT+SHIFT+A	Toggle between all and headings only
58. CTRL+INSERT+A	List Radio Buttons
59. INSERT+A	Read Address Bar
60. INSERT+A	Move to Attachments list
61. INSERT+A twice quickly	Move JAWS Cursor to Address Bar (Internet Explorer 9 and earlier)
62. SHIFT+A	Move to Prior Radio Button
63. CTRL+SHIFT+APOSTROPHE	List comments
64. ALT+SHIFT+APOSTROPHE	Announce Comment
65. ALT+SHIFT+APOSTROPHE	Read cell comment
66. ALT+SHIFT+B	Describe cell border
67. CTRL+INSERT+B	List Buttons
68. CTRL+SHIFT+B	List cells at page break
69. INSERT+ALT+B	List bookmarks
70. SHIFT+B	Move to Prior Button
71. BACKSPACE	Previous Page
72. SHIFT+BACKSPACE	Collapse selection to current cell
73. C	Move To Next Combo Box
74. ALT+INSERT+SHIFT+C	Say column title
75. ALT+SHIFT+C	Convert shape to text readable by JAWS
76. CTRL+INSERT+C	List Combo Boxes
77. CTRL+SHIFT+C	Copy formatting of selected text
78. INSERT+ALT+C	Select the first worksheet object
79. INSERT+ALT+CTRL+C	Set column titles to row
80. INSERT+ALT+SHIFT+C	Say column title
81. INSERT+C	Say active cell coordinates
82. INSERT+CTRL+C	Read the current worksheet object
83. INSERT+SHIFT+C	List cells in current column
84. SHIFT+C	Move to Prior Combo Box
85. ALT+WINDOWS Key+COMMA	Read Current Row
86. ALT+WINDOWS Key+COMMA or ALT+WINDOWS Key+NUM PAD 5	Read table row
87. CTRL+COMMA	Move back one item
88. SHIFT+COMMA	Previous Element
89. D	Next Different Element
90. D	Next Endnote
91. ALT+D	Move to Address Bar
92. CTRL+D	Delete Message
93. CTRL+INSERT+D	Say Date
94. CTRL+SHIFT+D	List Visible cells with data
95. SHIFT+D	Prior Different Element

96. DASH	Move to Next Separator
97. SHIFT+DASH	Move to Prior Separator
98. WINDOWS Key+CTRL+DASH	Open ARIA Live Region Text Filter dialog box
99. ALT+DELETE	Determine if Navigation Quick Keys are Enabled
ALT+DELETE	Say cursor position
100. CTRL+INSERT+DELETE	Route PC to Virtual Cursor
101. CTRL+INSERT+DELETE	Set current row to the row containing column totals
102. INSERT+DELETE	Say line and column
103. INSERT+DELETE	Read row total
104. INSERT+DELETE	Route Virtual to PC Cursor
105. DOWN ARROW	Move down one line
106. ALT+DOWN ARROW	Move forward one sentence
107. ALT+SHIFT+DOWN ARROW	Move Heading Down
108. CTRL+ALT+DOWN ARROW	Move to and Read Cell Below
109. CTRL+DOWN ARROW	Move down one paragraph
110. CTRL+DOWN ARROW	Move down to the edge of current data region
111. CTRL+INSERT+DOWN ARROW	Start Skim Reading from the Cursor
112. WINDOWS Key+ALT+DOWN ARROW	Read Next Row
113. E	Move To Next Edit Box
114. ALT+SHIFT+E	Announce Footnotes or Endnotes
115. CTRL+E	Search Box in Internet Explorer 7 or later
116. CTRL+INSERT+E	List Edit Boxes
117. INSERT+SHIFT+E	List endnotes
118. SHIFT+E	Move to Prior Edit Box
119. END	Move to the end of the current line
120. ALT+INSERT+END	Last Heading
121. ALT+SHIFT+END	Move to last cell in region
122. CTRL+END	Move to the end of the document
123. CTRL+ALT+END	Move to and Read Last Cell
124. INSERT+CTRL+END	Move To Last Form Field
125. INSERT+SHIFT+END	Read from Top of Column to Current Cell
126. ENTER	Open Link
127. ENTER	Enter Forms Mode
128. ALT+ENTER	Search Button in Internet Explorer 7 or later
129. ALT+ENTER (when a search item appears in the Toolbar Search edit box)	Open a New Tab from the Toolbar Search Box
130. ALT+ENTER (when focus is anywhere on the Web page besides the Address bar and the Toolbar Search edit box)	Toggle Between Full Screen Mode and Normal View Mode for the Current Web Page

131. ALT+ENTER (when focus is in the Address bar)	Open a New Tab from the Address Bar
132. CTRL+ENTER	Open Links in a New Tab in the Background
133. CTRL+INSERT+ENTER	Set current column to the column containing row totals
134. CTRL+SHIFT+ENTER	Open Links in a New Tab in the Foreground
135. INSERT+CTRL+ENTER	Activate Mouse Over
136. SHIFT+ENTER	Open Link in New Window
137. EQUALS	Formula input mode
138. ALT+EQUALS	Read Eleventh Header
139. ALT+EQUALS	AutoSum
140. WINDOWS Key+CTRL+EQUALS	Open and Select Items in the ARIA Drag and Drop dialog box
141. INSERT+ESC	Refresh JAWS Virtual Mode
142. F	Move To Next Form Field
143. F	Next Form Field
144. INSERT+CTRL+F or CTRL+F	JAWS Find
145. INSERT+F	Say character formatting
146. INSERT+F	Say cell font and attributes
147. INSERT+SHIFT+F	List footnotes
148. INSERT+SHIFT+F	List cells with formulas
149. SHIFT+F	Move To Prior Form Field
150. CTRL+SHIFT+INSERT+F1	Display Detailed Element Information
151. CTRL+INSERT+SHIFT+F1	View Advanced Element Information
152. INSERT+SHIFT+F1	View Basic Element Information
153. SHIFT+INSERT+F1	Display Element Information
154. INSERT+CTRL+F2	Say formula
155. INSERT+F3	Virtual HTML Features
156. INSERT+F3 or F3	JAWS Find Next
157. INSERT+SHIFT+F3 or SHIFT+F3	JAWS Find Previous
158. ALT+F4	Close All Tabs
159. CTRL+ALT+F4	Close Other Tabs
160. CTRL+INSERT+F4	Close Office Assistant
161. F5	Reload Web Page
162. INSERT+F5	List of Form Fields
163. INSERT+F5	Select a field
164. INSERT+F6	List Headings
165. INSERT+F7	List Links
166. INSERT+F7	Read Misspelled and Suggestion
167. INSERT+F7	Read misspelled word and suggestion
168. INSERT+F7	List hyperlinks

169. INSERT+F7	Read spelling error and suggestion
170. INSERT+F7	Select hyperlink
171. F8	Select Table
172. F8	Select Entire Element
173. F8	Select List
174. INSERT+F8 (not available in Mozilla Firefox)	List Toolbar Buttons
175. SHIFT+F8	Enter/Leave Multi-Select Mode
176. INSERT+F9	List Frames
177. G	Next Graphic
178. ALT+SHIFT+G	Report gridline status
179. INSERT+SHIFT+G	List grammatical errors
180. ALT+GRAVE	Move cursor to body text window
181. H	Next Heading
182. ALT+SHIFT+H	Read hyperlink
183. SHIFT+H	Prior Heading
184. HOME	Move to the beginning of the current line
185. ALT+INSERT+HOME	First Heading
186. ALT+SHIFT+HOME	Move to first cell in region
187. CTRL+ALT+HOME	Move to and Read First Cell
188. CTRL+HOME	Move to the beginning of the document
189. CTRL+INSERT+HOME	Move focus to first field in a form
190. INSERT+CTRL+HOME	Move To First Form Field
191. INSERT+SHIFT+HOME	Read from Beginning of Row to Current Cell
192. I	Move to Next Item in a List
193. ALT+CTRL+I	Insert and Overtyping mode
194. SHIFT+I	Move to Prior Item in a List
195. J	Jump to Line
196. ALT+J	Feeds Menu in Internet Explorer 7 or later. For Internet Explorer 9, the Command bar toolbar must be on.
197. CTRL+J	Feeds List in Internet Explorer 7 or later
198. CTRL+SHIFT+WINDOWS Key+J	Return to Previous Cell
199. CTRL+WINDOWS Key+J	Jump to Table Cell (from within a table)
200. SHIFT+J	Return to Previous Line
201. K	Move to Next PlaceMarker
202. ALT+WINDOWS Key+K	Return to Marked Place
203. ALT+WINDOWS Key+K	Move to CellMarker on current worksheet
204. CTRL+ALT+WINDOWS Key+K	List all CellMarkers in workbook
205. CTRL+K	Open Duplicate Tab
206. CTRL+SHIFT+K	List, Go To, Create Permanent, Rename, or Remove PlaceMarker

207. CTRL+WINDOWS Key+K	Create Temporary PlaceMarker
208. CTRL+WINDOWS Key+K	Set Marked Place
209. CTRL+WINDOWS Key+K	Move to CellMarker on next worksheet
210. CTRL+WINDOWS Key+SHIFT+K	Move to CellMarker on previous worksheet
211. INSERT+WINDOWS Key+K	Insert CellMarker
212. SHIFT+K	Move to Previous PlaceMarker
213. L	Move to Next List
214. ALT+SHIFT+L	List spelling errors
215. CTRL+INSERT+L	List All Ordered, Unordered, and Definition Lists
216. SHIFT+L	Move to Prior List
217. LEFT ARROW	Move back one character
218. ALT+LEFT ARROW or BACKSPACE	Back a Page
219. ALT+SHIFT+LEFT ARROW	Select prior heading style
220. ALT+SHIFT+LEFT ARROW	Heading to Prior Level
221. CTRL+ALT+LEFT ARROW	Move to and Read Prior Cell
222. CTRL+LEFT ARROW	Move back one word
223. CTRL+LEFT ARROW	Move left to the edge of current data region
224. WINDOWS Key+ALT+LEFT ARROW	Read Prior Column
225. M	Next Frame
226. M	Next Misspelled Word
227. ALT+CTRL+SHIFT+M	Read MSAA Information
228. CTRL+SHIFT+M	List defined monitor cells
229. INSERT+SPACEBAR, M	Select Text Between Temporary PlaceMarker and Cursor Position
230. INSERT+SPACEBAR, M	Select Text Between Marked Place and Cursor Position
231. SHIFT+M	Prior Frame
232. N	Next Non Link Text
233. N	Next Comment
234. SHIFT+N	Prior Non Link Text
235. CTRL+ALT+NUM PAD 5	Read current cell
236. CTRL+INSERT+NUM PAD 5	Read Field Contents
237. CTRL+NUM PAD 5	Say last numeric value or word that appears in the Formula bar
238. INSERT+NUM PAD ENTER	Read column total
239. NUM PAD PLUS	Exit Forms Mode
240. INSERT+NUM PAD PLUS	Route Virtual to JAWS Cursor
241. O	Next Footnote
242. CTRL+SHIFT+O	List inline objects
243. CTRL+SHIFT+O	Select worksheet objects

244. P	Next Paragraph
245. CTRL+SHIFT+P	Point Size
246. PAGE DOWN	Move down one screen
247. ALT+PAGE DOWN	Move to next screen in spreadsheet
248. CTRL+PAGE DOWN	Move to the top of the next page
249. CTRL+PAGE DOWN	Next Sheet
250. INSERT+SHIFT+PAGE DOWN	Read from Current Cell to Bottom of Column
251. PAGE UP	Move up one screen
252. ALT+PAGE UP	Move to prior screen in spreadsheet
253. CTRL+PAGE UP	Move to the top of the previous page
254. CTRL+PAGE UP	Prior Sheet
255. INSERT+SHIFT+PAGE UP	Read from Current Cell to End of Row
256. ALT+WINDOWS Key+PERIOD	Read Current Column
257. ALT+WINDOWS Key+PERIOD	Read table column
258. CTRL+PERIOD	Move forward one item
259. SHIFT+PERIOD	Next Element
260. ALT+INSERT+Q	Say Current Scheme Name
261. CTRL+Q	Toggle Quick Tabs (Thumbnail View)
262. CTRL+SHIFT+Q	View List of Open Tabs
263. R	Move to Next Region
264. R	Next Revision (when using Track Changes)
265. ALT+INSERT+SHIFT+R	Say row title
266. INSERT+ALT+CTRL+R	Set row titles to column
267. INSERT+ALT+R.	Toggle revision detection on or off
268. INSERT+ALT+SHIFT+R	Say row title
269. INSERT+CTRL+R	Select a Region
270. INSERT+SHIFT+R	List revisions
271. INSERT+SHIFT+R	List cells in current row
272. SHIFT+R	Move to Previous Region
273. RIGHT ARROW	Move forward one character
274. ALT+RIGHT ARROW	Forward a Page
275. ALT+SHIFT+RIGHT ARROW	Select next heading style
276. ALT+SHIFT+RIGHT ARROW	Heading to Next Level
277. CTRL+ALT+RIGHT ARROW	Move to and Read Next Cell
278. CTRL+RIGHT ARROW	Move forward one word
279. CTRL+RIGHT ARROW	Move right to the edge of current data region
280. WINDOWS Key+ALT+RIGHT ARROW	Read Next Column
281. S	Next Same Element
282. S	Next Section
283. CTRL+SHIFT+S	View Attendee Status

284. CTRL+SHIFT+S	Move to style bar
285. CTRL+SHIFT+S	List worksheets
286. INSERT+ALT+SHIFT+S	List smart tags
287. SHIFT+S	Prior Same Element
288. CTRL+SEMICOLON	Date stamp
289. CTRL+SHIFT+SEMICOLON	Time stamp
290. INSERT+WINDOWS Key+SEMICOLON	Select a Mouse Over Element
291. WINDOWS Key+SEMICOLON	Open Virtual Viewer and view list of comments, footnotes, endnotes, or revisions in current document
292. SLASH	Move to Next Clickable Element
293. INSERT+CTRL+SLASH	Select Clickable Element
294. SHIFT+SLASH	Move to Previous Clickable Element
295. SPACEBAR	Next Page
296. CTRL+SHIFT+SPACEBAR	Select a region and announce the region's cell range
297. CTRL+SPACEBAR	Select column
298. SHIFT+SPACEBAR	Select row
299. T	Move To Next Table
300. T	Next Table
301. CTRL+INSERT+T	List Tables
302. CTRL+T	Open a New Tab
303. INSERT+CTRL+T	Select first cell in a table
304. SHIFT+T	Move To Prior Table
305. TAB	Next Link
306. CTRL+INSERT+TAB	Create Custom Label
307. CTRL+SHIFT+TAB	Switch to the Previous Tab
308. CTRL+TAB	Switch to the Next Tab
309. INSERT+CTRL+SHIFT+TAB	Open custom summary when one exists
310. INSERT+CTRL+TAB	Open custom summary label manager
311. INSERT+TAB twice quickly	Display detailed cell appearance information
312. SHIFT+TAB	Prior Link
313. Unassigned	Move to Frame 1 to 10
314. UP ARROW	Move up one line
315. ALT+SHIFT+UP ARROW	Move Heading Up
316. ALT+UP ARROW	Move back one sentence
317. CTRL+ALT+UP ARROW	Move to and Read Cell Above
318. CTRL+UP ARROW	Move up one paragraph
319. CTRL+UP ARROW	Move up to the edge of current data region
320. WINDOWS Key+ALT+UP ARROW	Read Prior Row
321. V	Next Visited Link

322. ALT+SHIFT+V	Say range of cells visible in active window
323. CTRL+INSERT+V	Say Word version
324. CTRL+INSERT+V	Say Excel version
325. CTRL+SHIFT+V	Paste formatting
326. CTRL+SHIFT+V	Say current cell validation input message
327. SHIFT+V	Prior Visited Link
328. W	Next Word in Word Index List
329. CTRL+W	Close Current Tab
330. X	Move To Next Check Box
331. CTRL+INSERT+X	List Check Boxes
332. SHIFT+X	Move to Prior Check Box
333. Z	Move to Next Division
334. CTRL+INSERT+Z	List Divisions
335. INSERT+Z	Virtual Cursor Toggle
336. INSERT+Z	Turn on Navigation Quick Keys
337. SHIFT+Z	Move to Prior Division

Windows Keyboard Shortcuts - Primary Key

Command	Description
1. CTRL+A	Select All
2. ALT	Move to the Menu Bar
3. ALT, ARROW KEYS	Move between Menus
4. BACKSPACE	Delete Prior Character
5. BACKSPACE	Go Up One Folder Level
6. CTRL+C	Copy Selected File or Text to Clipboard
7. INSERT+SPACEBAR, C	Display Clipboard Contents in Results Viewer
8. ALT+DASH	Open a child Window Control Menu
9. DELETE	Delete Current Character
10. DELETE	Delete Selected File or Folder
11. CTRL+DOWN ARROW	Move One Paragraph Down
12. WINDOWS LOGO KEY+E	Open Windows Explorer
13. END	Move to End of Line
14. CTRL+END	Move to End of Document
15. CTRL+SHIFT+END	Select to End of Document
16. SHIFT+END	Select to End of Line
17. ENTER	Choose a Menu Item
18. ALT+ENTER	Open File or Folder Properties
19. WINDOWS Key + Type Sidebar in the Start Search edit field and press ENTER	Open Sidebar

20. ESC or ALT	Cancel or close a Menu
21. WINDOWS LOGO KEY or CTRL+ESC	Open the Start Menu
22. F1	Get Help
23. F2	Rename Selected File or Folder
24. F3	Find a File or Folder from Desktop
25. ALT+F4	Exit the Active Application
26. F5	Refresh Window
27. F6 or TAB	Switch Between Tree View and List View
28. APPLICATIONS KEY or SHIFT+F10	Open the Shortcut Menu
29. WINDOWS Key+G	Cycle forward through the Sidebar gadgets
30. WINDOWS Key+SHIFT+G	Cycle backward through the Sidebar gadgets
31. HOME	Move to Beginning of Line
32. CTRL+HOME	Move to Beginning of Document
33. CTRL+SHIFT+HOME	Select to Beginning of Document
34. SHIFT+HOME	Select to Beginning of Line
35. LEFT ARROW	Move One Character Left
36. CTRL+LEFT ARROW	Move One Word Left
37. CTRL+SHIFT+LEFT ARROW	Select One Word Left
38. SHIFT+LEFT ARROW	Select One Character Left
39. WINDOWS LOGO KEY+M	Minimize all Applications
40. CTRL+NUM PAD PLUS	Untruncate Columns in List View
41. PAGE UP or PAGE DOWN	Scroll Up or Down One Screen
42. CTRL+PAGE DOWN	Move to Top of Next Page
43. CTRL+PAGE UP	Move to Top of Previous Page
44. WINDOWS LOGO KEY+R	Open Run Dialog
45. RIGHT ARROW	Move One Character Right
46. CTRL+RIGHT ARROW	Move One Word Right
47. CTRL+SHIFT+RIGHT ARROW	Select One Word Right
48. SHIFT+RIGHT ARROW	Select One Character Right
49. SPACEBAR	Toggle a Check Box ON/OFF
50. SPACEBAR or CTRL+SPACEBAR	Select/Deselect in List View
51. ALT+SPACEBAR	Open the Application Control Menu
52. WINDOWS Key+SPACEBAR	Bring Sidebar and all gadgets to the foreground
53. TAB	Move through Dialog Controls
54. ALT+TAB	Switch between Open Applications
55. CTRL+SHIFT+TAB	Reverse Direction through Pages
56. CTRL+TAB	Move to Another Page
57. SHIFT+TAB	Move Backward through Dialog Controls
58. WINDOWS LOGO KEY+TAB	Move to First Item on the Taskbar
59. CTRL+UP ARROW	Move One Paragraph Up
60. CTRL+V	Paste Contents of Clipboard

61. CTRL+X

62. WINDOWS Key+INSERT+X

63. CTRL+Z

Cut Selected File or Text to Clipboard

Read Clipboard Contents

Undo