AVT Checklist

This checklist would help our QC team member do accessibility test in feature testing, we already know for accessibility test, we will test keyboard, JAWS and high contrast, but the check points are not very clear and there are some other check points maybe we didn't cover in before.

Checklist:

Test_object	Checklist	Test	Verification

AVT_Keyboard	2.1a: Keyboard; 2.4e: Focus Order; AA2.4.7 Focus Visible	1. Enable Accessibility in Cognos RS or CWA, workspace is support accessibility naturally.
		   IN RS or CWA menu Tools-> options-> Advanced: 'Enable Accessibility', restart RS or CWA.
		   Or used keyboard shortcuts: Ctrl+Alt+a, restart RS or CWA.
		2. Use tab (shift+tab) to move through the controls in All dialogs, frames and widgets.
		3. Use direction keys (Up and Down keys) to move through fields/columns/tables in list views.
		4. Use space key to check items.
		5. Use enter key to operate OK and Cancel.
		6. Verify that keys in All dialogs are working
			Verify without using mouse, can go through all controls by keyboard, and can do any operation by keyboard only. The keyboard shortcuts should not conflict with Windows and browser's shortcuts.
			PS:
			1. The disable icon or button or section, couldn't be tab to focus.

AVT_High Contrast	1.4a: Use of Color; AA1.4.3 Contrast (Minimum)	1. Setting High Contrast mode (in win7 os): -Press LeftAlt+LeftShift+PrintScreen to open the High Contrast dialog. -Select the Go to Ease of Access Center link to open the Make the computer easier to see page. -Select Choose a High Contrast Theme. -Select one of the high-contrast themes under Basic and High contrast themes. Recommendation: Use High contrast #1 for your test. For a more complete test, consider 2. Enable Accessibility in Cognos RS or CWA.	1. Verify all web pages and dialogs are inherited windows High contrast display. 2. Verify the use keyboard can go through all controls with clear focus display. 3. Verify the icons or images with clear display. 4. The disable part should display different with enable part. Now in Cognos RS and CWA, the disable part display Italic and strikethrough. 5. The selected part should display different with normal part, Now in Cognos RS and CWA, selected part with bold frame.

AVT_JAWS	1.1a: Text Alternatives; 1.2a: Captions; 1.3a: Information and Relationships; 1.3c: Meaningful Sequence; 1.3d: Forms; 1.3f: Cascading style sheets; 3.1a: Language of Page	1. Installed JAWS in computer. 2. For report, setting accessibility in Cognos Connection, report 'run with options', check 'Enable Accessibility support'.	1. Verify all text and controls for every dialog can be announced by the JAWS 2. Verify that the JAWS can announce information for each object when it has focus. 3. Verify that the JAWS can announce the label associated with each object when it has focus 4. Verify the JAWS can announce the dialog's frame or in some order to announce the dialog's content. 5. In multi-language setting, JAWS can announce the content in Cognos setting language not English (default).
AVT_ Big Font	1.3g: Sensory Characteristics; AA1.4.4 Resize text	1. Change Browser's Font setting: - In FF, from menu Tools-> Options -> Contents, in Font&Color field, changed Font size to larger. - In FF, Use keyboard, press Ctrl&+ or Ctrl&- key, changed the browser's Font size to larger or smaller	Verify all contents and dialogs inherited Browsers for large fonts display, not cross the border, not missed info and so on. The RS and CWA needn't to support the font change too larger, so just use the shortcut key can change the font is OK.
AVT_ time limited	2.2a: Adjust time response	1. For security setting such as log on time limitation, can be cancel the time setting or changed the time to a large period. 2. For some hints, should use cancel button to quit, not the countdown.	Verify the time limitation setting can be disabled or change longer.

Scenario:

Some disable customer scenarios, when they used website, they would occur many many difficulties.

1. Color blindness
   He is unable to distinguish between green and red.
2. Repetitive stress injury
   His hands and arms become painful for him to type, hard to use keyboard maybe mouse too.
3. hard of hearing
   She can hear some sounds but not enough to understand all speech, so she learned sign language in addition to written language.
4. Blindness
   She is blind and, like many other blind computer users, does not read Braille.

5. Attention deficit hyperactivity disorder (ADHD) and dyslexia
   She has attention deficit hyperactivity disorder (ADHD) with dyslexia, and the combination leads to substantial difficulty reading.

6. Low vision, hand tremor, and mild short-term memory loss.
7. Down syndrome
   He has Down syndrome, and has difficulty with abstract concepts, reading, and doing mathematical calculations.
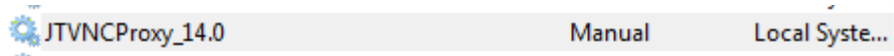8. Deaf-blindness

She is deaf and recently became legally blind too, but she can see small portions of a screen.

JAWS install and config:

Except JAWS, all accessibility test settings are described in checklist.

Just need to notice the Cognos accessibility only supported FF browser, maybe in the future we will support all browsers.

1. Get the JAWS14 install files from FTP 168: /Others/Tools/JAWS.
2. Get the JAWS15 from the web:
   http://www.freedomscientific.com/downloads/jaws/jaws-downloads.asp
3. The install guide: *http://swgtc.austin.ibm.com/jaws/*
4. When install JAWS need to disconnect network.
5. Need to change JAWS service setting to manual in window services.

| JTVNCProxy_14.0 | Manual | Local Syste... |

Keyboard Shortcuts:

These are the basic keyboard shortcuts for Cognos.

Action	Shortcut Keys
Enables or disables the accessibility feature - an IBM Cognos Report Studio restart is required. The default is disabled.	Ctrl+Alt+A
Opens the context menu for the selected item, if available.	Shift+F10
Switches focus from or to the main menu bar and the main worksheet.	Ctrl+F10
Opens the online help.	F1
Closes the Web browser window.	Alt+F4
Copies objects.	Ctrl+C
Pastes objects.	Ctrl+V
Closes objects, such as a dialog box, menu, drop-down list, or page.	Esc
Cycles through objects, such as the tabs in a dialog, the objects in a page, the cells in a list, the rows in a crosstab, or check boxes.	Tab, Shift+Tab, Arrow keys
Selects the first or last item in a list.	Home/Pg Up or End/Pg Dn keys
Selects or clicks one or multiple objects, such as a radio button, menu or toolbar item, or node in a tree widget. In the Properties pane, expands or collapses a property group.	Space or Enter, Ctrl+space or Shift+space, Ctrl+Enter or Shift+Enter
In CW, enter into the content in the widget, like the crosstab or list in widget	F12
In CW, quit from content to widget	Ctrl+Tab
In CW, enable widget ODT	F10